

Volume 50

# Pomona®

ELECTRONICS



Full Line Catalog



Continuing a tradition of quality, POMONA is proud to produce our 50th catalog. For over half a century the name POMONA has been synonymous with reliability and outstanding value.

We are proud to have built our reputation for the delivery of quality products by using only the finest materials available and designing to match real world applications... where you live – everyday. POMONA is proud to be there, at your side.

### In the United States:

POMONA Electronics  
9028 Evergreen Way  
Everett, WA 98204  
United States

www.pomonaelectronics.com

Tel: 1-800-490-2361

Fax: 1-888-403-3360

### In Europe:

POMONA Electronics  
P.O.Box 1186  
5602 BD Eindhoven  
The Netherlands

www.pomona.cc

Tel: +31 (0) 40 2675 150

Fax: +31 (0) 40 2675 151

## New Products

### Differential Oscilloscope Probe



- POMONA's differential voltage probe allows users to safely make floating voltage measurements while using general purpose oscilloscopes.
- Features include switchable attenuation, high impedance to ground for both positive and negative side of the balanced input, and maximum differential voltage up to 1000V.
- Included with the 6731: Large Jaw Alligator clips (black and red). Pin-Grabber Test Clips (black and red). 9V Alkaline Battery.

(Shown on page 77).

### Test Probes with Screw-on Alligator Clips



Probe set includes:

- 2 screw-on alligator clips.
- 8-32 threaded tips allow secure attachment of alligators.
- Silicon insulated 4ft (1.2m) test leads with right angle DMM plugs.
- Comfort-grip textured surface.
- Wide temperature range of 14°F to 212°F (-10°C to + 100°C).

(Shown on page 62).

### Alligator Clip Set



- 8-32 threads tips allow secure attachment of alligator clips.
- Designed for use with 8-32-UNC 2A threaded probe like the POMONA 6723.
- Wide temperature range of 14°F to 212°F (-10°C to + 100 °C).

(Shown on page 62).

### Kelvin Lead Set with Kelvin Clips



- Gold plated Kelvin clip jaws allow 4-wire resistive measurements.
- Silicon insulated 3.3ft (1m) test leads.
- Safety sheathed straight DMM plugs.
- clips firmly grip test points for low-loss connection.

(Shown on page 65).

### Multi-Stacking 4mm Safety Banana Plug Patch Cord



- 4 ft (1.2m) stackable safety lead.
- Contacts are made with nickel-plated brass and wire is multi-stranded copper.
- Temperature range is 14°F to 176°F (-10°C to +80°C).

(Shown on page 40).

# New Products

## Do-It-Yourself Right Angle Banana Plugs



- Build your own safety leads with do-it-yourself safety sheathed 4mm right angle banana plugs.
- Comes in standard black and red.
- Temperature range of 14°F to 176°F (-10°C to + 80°C).
- Contacts are made with nickel-plated brass.

(Shown on page 65).

## Do-It-Yourself Banana Plug

- Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.
- Comes in standard black and red.
- Temperature range of 14°F to 176°F (-10°C to + 80°C).
- Contacts are made with nickel-plated brass.

(Shown on page 65)



## Do-It-Yourself Test Lead Wire



- Choose from heat-resistant silicone or PVC insulation.
- Very flexible with 65 strands of 36 AWG tinned copper conductor
- 50 ft (15.2m) of unterminated test lead wire.
- Wide temperature range of -58°F to 302 °F (-50°C to + 150°C) with PVC insulation.
- Create your own test leads with the adapters shown above (6729 and 6721).

(Shown on page 65)

## Safety Banana Plug to Banana Jack Adapter

- Accepts safety-sheathed 4mm banana plug and adapts to standard banana plug.
- Contacts are made with nickel-plated brass.

(Shown on page 29)



## Terminal Strip Adapter, 4mm Safety Banana Jack to 6/32 Adapter



- Easily connect your DMM safety sheathed test leads to terminal strips via this handy 6/32 thread adapter.
- Contacts are made with nickel-plated brass.
- Temperature range is 14°F to 212°F (-10°C to +100°C).

(Shown on page 32)

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POMONA's quality connectors are the one answer you need when a reliable signal is demanded. POMONA's test accessories are made from the finest materials available – designed and built for long service life and exceptional reliability. Our test accessories complement the best test instruments and continue to be the choice of professionals worldwide.

Need a Quality Connection?

For Distributor Locations:

United States and International  
[www.pomonaelectronics.com](http://www.pomonaelectronics.com)

Europe  
[www.pomona.cc](http://www.pomona.cc)

Technical Support:  
 1-800-241-2060

## New Products

### Coaxial – Broadcast



#### High Definition 75Ω BNC Connectors

- True 75 Ohm connectors, precision machined for the demands of Broadcast.
- Designed for low return loss characteristics to 3 GHz.
- Gold-plated contact pins maximize performance in high definition applications.

(Shown on page 25).

### BNC Within Series Adapters

- Space-saving designs allow more compact parallel cable routings.
- Made for rugged use.
- Gold-plated contacts allow low loss connections.

(Shown on page 25).



### Coaxial – 50Ω Connectors and Adapters



#### BNC Female PCB Mount

- Right angle design minimizes board area requirements when space becomes a serious issue.
- Dual stacked right angle orientation offers two full size BNC connections where only one was possible in the past.
- Cuts assembly insertion time in half.

(Shown on page 20).

### Coaxial – Adapters



#### Type "N" Adapters

- Three-way female T connectors for compact connection.
- Gold-plated beryllium copper contacts for low loss.
- Rugged design for years of dependable service.

(Shown on page 22).

### Grabbers and Test Clips

#### Oscilloscope Probe Tip Adapters

- Provides an easy, fast, and reliable way to connect your oscilloscope probe to test adapters.
- Connects scope probe to SMD grabbers, IC test adapters, and test clips using 0.025in. (0.635mm) connection pins.

(Shown on page 77).



# New Products

## Audio/Video

- The demands of today's high definition television and the move to digital TV broadcast are prompting the need for new designs in F connectors, the old work-horse of the industry.
- Designed for use at frequencies to 500 MHz, these 75 Ohm connectors are widely used in CATV, CCTV and related consumer television products.
- New F connector push-on designs allow easy installation. Simply strip the cable and push-on the connector.
- Minimum 40lb (18.1kg) cable retention.
- Re-introduced gold-plated brass rugged hex head binding posts are perfect for speaker connection applications.

### F Between Series Adapters

(Shown on page 26).



### F Within Series Adapters

(Shown on page 26).



### Hex Head Binding Post

(Shown on page 26 & 33).



### F Bulkhead Series Adapter

(Shown on page 26).



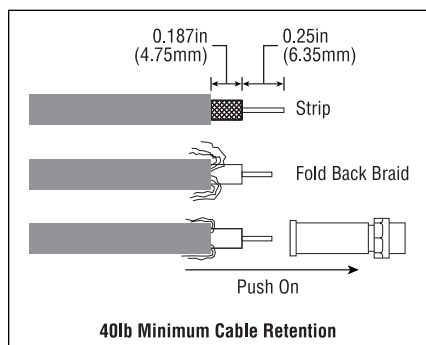
### F Female PCB Mount

(Shown on page 26).

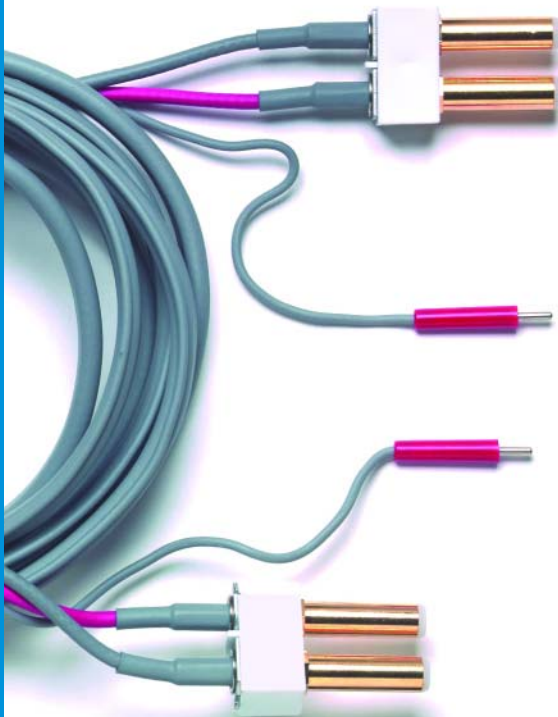


### F-Connectors

(Shown on page 26).

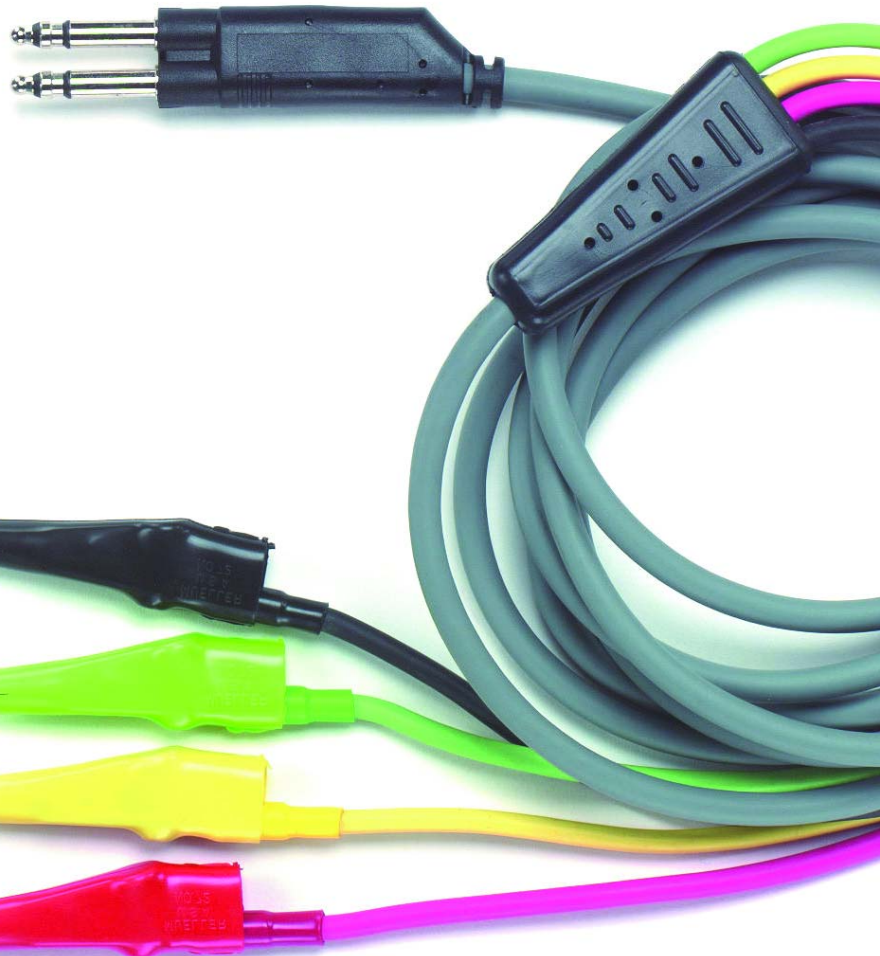


POMONA responds to a wide range of special or custom requirements by providing accessories tailored to your needs. Whether we simply modify an existing catalog product or create a unique product, we use only the finest materials to delivery top quality products.



Think of the possibilities! You can now define your own custom product made of any combination of cables, wires, connectors, or probes in this catalog. Can't find the length or color you need? Pomona makes it easy. Want a unique combination of connectors and cables you just can't find anywhere? Just ask Pomona!

If required, products can be customized with your logo or other special markings.



Combinations of coaxial connector/adapter assemblies can include strain relief sheathing, color coding and the use of special wire, marking and lengths.

Call Pomona at 1-800-490-2361 or  
Fax your requirements to 425-446-5844

# Coaxial Cable Assemblies and Breakouts

# Pomona

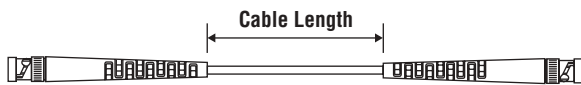
POMONA is the professional's choice, whether in the lab, plant or in the field. Using high-quality materials such as beryllium copper, brass and nickel plating ensures the precision you rely on. With a huge selection of cables and breakouts offering almost every connector and clip combination, POMONA provides you the solution for any application.



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## How to Order

**Example:** A 48in (1.2m) coaxial cable assembly with matching BNC (m) ends, stress relief boots on RG58 C/U, 50Ω cable.

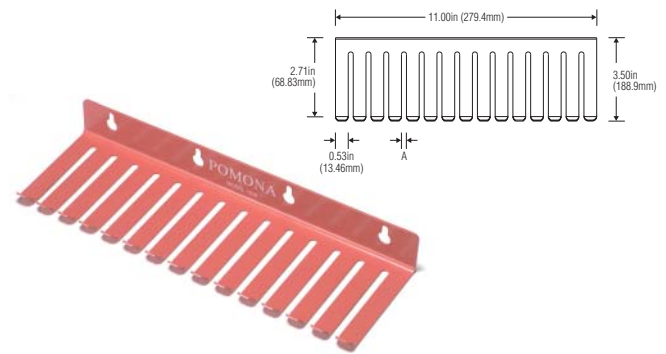


**Typical Pomona Part Number:** 2249-C-48  
 Cable Type \_\_\_\_\_  
 Cable Length in Inches \_\_\_\_\_  
 (Measured Inside Connectors)

Model#	Length
2249-C-12	12.0in (0.3m)
2249-C-24	24.0in (0.6m)
2249-C-36	36.0in (0.9m)
2249-C-48	48.0in (1.2m)
2249-C-60	60.0in (1.5m)

## Cable Assembly Holders

Model#	Color	"A" Max Cable Dia.	Number of Slots
1508	Orange	0.210in (5.33mm)	14
4408	Black	0.320in (8.13mm)	10
2708	Blue	0.450in (11.43mm)	9



## Technical Specifications for Wire and Cable

Cable Designation	Type	Impedance Ω	Capacitance per 1ft/ 0.304m	Insulation/Dielectric	AWG	Stranding Strands X AWG	Wire Type	Jacket Material	Cable O. D.	Shield	Temperature (w/o connectors)
A	twisted pair, 2 conductor	NA	27.0 pf	PVC	18	65X36	TC	PVC	0.25in (6.35mm)	NA	-4°F to 221°F (-20°C to +105°C)
C	Coax, RG58C/U	50	30.8 pf	PE	20	19X36	TC	PVCNC	0.195in (4.95mm)	TCB	-40°F to 185°F (-40°C to +85°C)
E	Coax, RG59B/U	75	22.5 pf	PE	23	Solid	BCCS	PVCNC	0.242in (6.15mm)	BCB	-40°F to 140°F (-40°C to +60°C)
J	Microphone, 2 conductor, shielded	90	18 / 32 pf*	PE	22	16X34	TC	PVC	0.231in (5.84mm)	TCB	-40°F to 176°F (-40°C to +80°C)
K	Coax, RG174/U	50	30.8 pf	PE	26	7X34	BCCS	PVC	0.110in (2.79mm)	TCB	-40°F to 167°F (-40°C to +75°C)
M	Coax, RG62A/U	93	13.5 pf	SSPE	22	Solid	BCCS	PVCNC	0.242in (6.15mm)	BCB / BCB	-32°F to 167°F (0°C to +75°C)
T	Coax, RG214/U	50	30.8 pf	PE	13	7X22	SPC	PVCNC	0.425in (10.8mm)	SCCB / SCCB	-40°F to 176°F (-40°C to +80°C)
X	Coax, RG142B/U	50	29.0 pf	TFE	18	Solid	SPCCS	FEP	0.195in (4.05mm)	SPC / SPC	-94°F to 392°F (-70°C to +200°C)
Y	Coax, RG223/U	50	30.8 pf	PE	19	Solid	SPC	PVCNC	0.212in (5.38mm)	SCB / SCB	-40°F to 140°F (-40°C to +60°C)
BB	Coax, RG316/U	50	29.0 pf	TFE	26	7X37	SPCCS	FEP	0.096in (2.44mm)	SPC	-94°F to 392°F (-70°C to +200°C)
CC	Twinax, 2 conductor, shielded	78	18.4 pf	FEP	20	7X28	TC	FEP	0.204in (5.18mm)	TCB	-94°F to 392°F (-70°C to +200°C)
SS	Coax, RG58/U, low noise	50	37.0 pf	CPE / PE	22	7X30	TC	PVC	0.195in (4.95mm)	BAF / TCB	-40°F to 176°F (-40°C to +80°C)
V	Coax, RG59/U	75	20.4 pf	PE	23	Solid	BCCS	PVC	0.242in (6.15mm)	BCB	-40°F to 176°F (-40°C to +80°C)
Triaxial	Coax, RG 58A/U, double shielded	50	30.8 pf	PE / PE	20	7X28	TC	PVC	0.240in (6.10mm)	TCB / TCB	-40°F to 167°F (-40°C to +75°C)

\* Capacitance between conductors / Capacitance between conductor and shield

AWG = American Wire Gauge  
 BAF = Bonded Aluminum Foil Polyester Tape  
 BCB = Bare Copper Braid  
 BCCS = Bare Copper Covered Steel  
 CPE = Conductive Polyethylene

FEP = Fluorinated Ethylene Propylene  
 OD = Outside Diameter  
 NA = Not Applicable  
 PE = Polyethylene  
 PVC = Polyvinyl Chloride

PVCNC = Polyvinyl Chloride Non Contaminating  
 SCB = Silver Coated Braid  
 SPC = Silver Plated Copper  
 SCCB = Silver Coated Copper Braid

SPCCS = Silver Plated Copper Covered Steel  
 SSPE = Semi-Solid Polyethylene  
 TC = Tinned Copper  
 TCB = Tinned Copper Braid  
 TFE = Tetrafluoroethylene

**Ratings:** The components in this section have a hands free rating for use in controlled voltage environments. However, for CE compliance these products are not intended for hand held use at voltages above 33 Vrms/70 Vdc.

www.pomonaelectronics.com

## Coaxial Cable Assemblies and Breakouts

### BNC Male Cable with Molded Strain Relief



Length	50Ω Cable O.D. .195in (4.95mm) RG58C/U	50Ω Cable O.D. .206in (5.23mm) RG223	75Ω Cable O.D. .242in (6.15mm) RG59B/U	50Ω Cable O.D. .100in (2.54mm) RG174/U	93Ω Cable O.D. .242in (6.15mm) RG62A/U	50Ω Cable O.D. .195in (4.95mm) RG58C/U
.5ft (0.2m)	2249-C-6	2249-Y-6	2249-E-6	2249-K-6	2249-M-6	5266-C-6
1ft (0.3m)	2249-C-12	2249-Y-12	2249-E-12	2249-K-12	2249-M-12	5266-C-12
2ft (0.6m)	2249-C-24	2249-Y-24	2249-E-24	2249-K-24	2249-M-24	5266-C-24
3ft (0.9m)	2249-C-36	2249-Y-36	2249-E-36	2249-K-36	2249-M-36	5266-C-36
4ft (1.2m)	2249-C-48	2249-Y-48	2249-E-48	2249-K-48	2249-M-48	5266-C-48
5ft (1.5m)	2249-C-60	2249-Y-60	2249-E-60	2249-K-60	2249-M-60	5266-C-60
6ft (1.8m)	2249-C-72	2249-Y-72	2249-E-72	2249-K-72	2249-M-72	5266-C-7
8ft (2.4m)	2249-C-96	2249-Y-96	2249-E-96	2249-K-96	2249-M-96	5266-C-96
10ft (3.0m)	2249-C-120	2249-Y-120	2249-E-120	2249-K-120	2249-M-120	5266-C-120
12ft (3.7m)	2249-C-144	2249-Y-144	2249-E-144	2249-K-144	2249-M-144	5266-C-144
15ft (4.6m)	2249-C-180	2249-Y-180	2249-E-180	2249-K-180	2249-M-180	5266-C-180
20ft (6.1m)	2249-C-240	2249-Y-240	2249-E-240	2249-K-240	2249-M-240	5266-C-240
25ft (7.6m)	2249-C-300	2249-Y-300	2249-E-300	2249-K-300	2249-M-300	5266-C-300
30ft (9.1m)	2249-C-360	2249-Y-360	2249-E-360	2249-K-360	2249-M-360	5266-C-360
50ft (15.2m)	2249-C-600	2249-Y-600	2249-E-600	2249-K-600	2249-M-600	5266-C-600

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122F (+50°C) max., (\*\* Cable 176°F (+80°C).)

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

**Model 2249-C** is Pomona's most popular cable. The 50Ω RG58C/U cable makes it ideal for most test and measurement applications.

**Model 2249-Y** is a 50Ω, RG223/U cable with double shield. Use when additional shielding is required.

**Model 2249-E** RG59B/U is a 75Ω cable, making it the right choice for use with TV, video and LAN applications.

**Model 2249-K** RG174/U offers superior flexibility in a 50Ω cable.

**Model 2249-M** RG62A/U is used when impedance >75Ω is required.

**Model 5266-C** is the same high quality construction as Model 2249-C with a connector on **(one end only)**.

### BNC Male Low Noise Cable



**Model 4964-SS** uses a special low-triboelectric cable which has noise attenuating layers surrounding the center conductor. The cable is ideal for low power, low frequency measurements.

**Recommended Frequency Range:** DC to 10KHz

Model#	Length
4964-SS-6	6in (0.2m)
4964-SS-12	12in (0.3m)
4964-SS-24	24in (0.6m)
4964-SS-36	36in (0.9m)
4964-SS-48	48in (1.2m)
4964-SS-60	60in (1.5m)
4964-SS-72	72in (1.8m)
4964-SS-96	96in (2.4m)
4964-SS-120	120in (3.0m)
4964-SS-144	144in (3.7m)
4964-SS-180	180in (4.6m)
4964-SS-240	240in (6.1m)
4964-SS-300	300in (7.6m)
4964-SS-360	360in (9.1m)

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

### BNC Male 50Ω Cable with Color-coded Sleeves



Model#	Length
6273-C-12-*	12in (0.3m)
6273-C-24-*	24in (0.6m)
6273-C-36-*	36in (0.9m)
6273-C-48-*	48in (1.2m)
6273-C-60-*	60in (1.5m)

**Model 6273** features flexible PVC sleeves which help prevent inadvertent contact with the outer shell of the BNC and allow for color-coding.

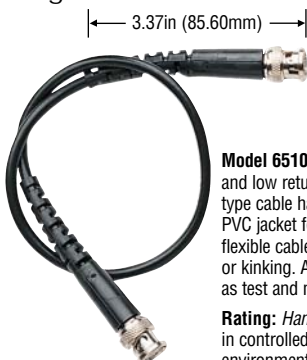
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

### BNC Male True 75Ω High Flex Cable



**Model 6510-V** uses a true 75Ω connector for superior VSWR and low return loss up to 3 GHz. The highly flexible RG59/U type cable has a gas injected foam polyethylene dielectric with PVC jacket for low loss and superior shield coverage. Highly flexible cable and molded strain relief prevent excessive bending or kinking. An ideal product for HDTV and digital video as well as test and measurement.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

Model#	Length
6510-V-12-0	12in (0.3m)
6510-V-24-0	24in (0.6m)
6510-V-36-0	36in (0.9m)
6510-V-48-0	48in (1.2m)
6510-V-60-0	60in (1.5m)
6510-V-72-0	72in (1.8m)

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

### Flexible Color-coded Sleeves for BNC Cables



Model#	Pkg. Qty
6291	20
6291-*	2

PVC sleeves which help prevent inadvertent contact with the outer shell of the BNC and allow for color-coding. Available in 10 colors. Fit most BNC male connectors. Perfect for use with any of the Model 2249- type cables.

**Model 6291** contains 2 ea. of 10 colors. Or select pkgs. of 2 of your choice of color.

**Model 6291-\*** contains 2 ea. of your choice of color.

### BNC Male 50Ω Cable: Field Servicable Connector



Model#	Length
BNC-C-6	6in (0.2m)
BNC-C-12	12in (0.3m)
BNC-C-18	18in (0.5m)
BNC-C-24	24in (0.6m)
BNC-C-36	36in (0.9m)
BNC-C-48	48in (1.2m)
BNC-C-60	60in (1.5m)
BNC-C-72	72in (1.8m)
BNC-C-96	96in (2.4m)
BNC-C-120	120in (3.0m)
BNC-C-144	144in (3.7m)
BNC-C-180	180in (4.6m)
BNC-C-240	240in (6.1m)
BNC-C-300	300in (7.6m)
BNC-C-360	360in (9.1m)
BNC-C-600	600in (15.2m)

Clamp nut and silicone gasket seal out moisture. Gold plated center contact and Teflon® insulation assure premium performance.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

#### One End Only

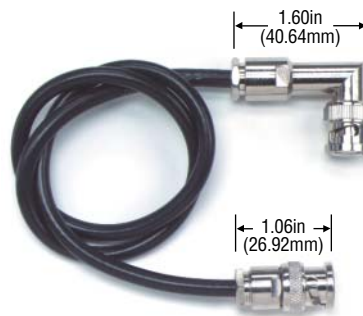
Field servicable connector on one end only

**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass contact soldered to cable; **Dielectric:** PTFE.

See chart on page 7 for additional wire and cable specifications.

Model#	Length
1661-C-60	60in (1.5m)

### BNC Male to BNC Male Right Angle 50Ω Cable



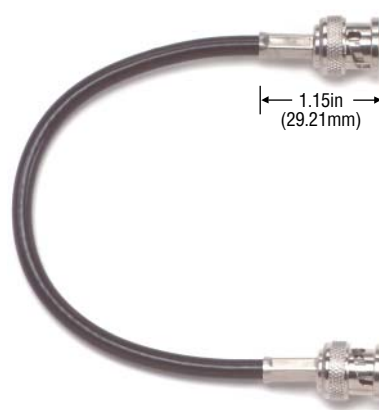
Model#	Length
1383-C-18	18in (0.5m)
1383-C-24	24in (0.6m)
1383-C-36	36in (0.9m)
1383-C-48	48in (1.2m)
1383-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass; **Dielectric:** PTFE.

See chart on page 7 for additional wire and cable specifications.

### BNC Male 50Ω Cable



Model#	Length
5697-6	6in (0.2m)
5697-12	12in (0.3m)
5697-18	18in (0.5m)
5697-24	24in (0.6m)
5697-36	36in (0.9m)
5697-48	48in (1.2m)
5697-60	60in (1.5m)
5697-72	72in (1.8m)
5697-96	96in (2.4m)
5697-120	120in (3.0m)
5697-144	144in (3.7m)
5697-180	180in (4.6m)
5697-240	240in (6.1m)
5697-300	300in (7.6m)
5697-360	360in (9.1m)
5697-600	600in (15.2m)

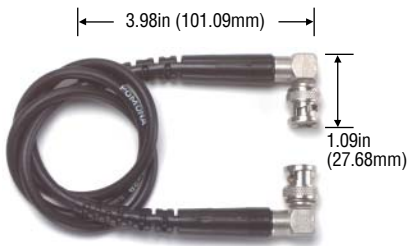
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**Cable Type:** 50Ω, RG58 type 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass contact crimped to cable; **Dielectric:** PTFE.

See chart on page 7 for additional wire and cable specifications.

### BNC Male Right Angle Connector Cable with Molded Strain Relief



Model#	Length
4276-C-12	12in (0.3m)
4276-C-24	24in (0.6m)
4276-C-36	36in (0.9m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass; **Dielectric:** PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief (on retractile cable)



Model#	Extended Length
4487-48	48in (1.2m)
4487-60	60in (1.5m)
4487-72	72in (1.8m)

**Rating:** Hands free testing in controlled voltage environment: 270 Vdc/90 Vac cont. duty\*, +122°F (+50°C) max.

**Cable Type:** Shielded microphone cable.

**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass; **Dielectric:** PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

#### One End Only

Strain relief connector on one end only

Model#	Extended Length
5260-48	48in (1.2m)
5260-60	60in (1.5m)
5260-72	72in (1.8m)

### BNC Male 50Ω Cable with Insulated Push-on Connector



Model#	Length
6253-C-12	12in (0.3m)
6253-C-24	24in (0.6m)
6253-C-36	36in (0.9m)
6253-C-48	48in (1.2m)
6253-C-60	60in (1.5m)

Unique locking feature assures secure retention with the convenience of a push-on connector.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass; **Outer Shell:** blue thermoplastic; **Dielectric:** PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

## Coaxial Cable Assemblies and Breakouts

### BNC Male to BNC Female with Molded Strain Relief



Model#	Length
4524-C-12	12in (0.3m)
4524-C-24	24in (0.6m)
4524-C-36	36in (0.9m)
4524-C-48	48in (1.2m)
4524-C-60	60in (1.5m)

Use to extend BNC Cables.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

### BNC Female 50Ω Cable with Molded Strain Relief



Model#	Length
4277-C-12	12in (0.3m)
4277-C-24	24in (0.6m)
4277-C-36	36in (0.9m)
4277-C-48	48in (1.2m)
4277-C-60	60in (1.5m)

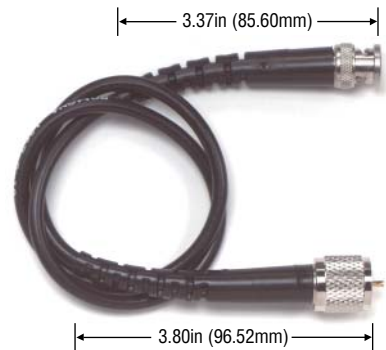
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated beryllium copper; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 7 for additional wire and cable specifications.

### BNC Male to UHF Male, Molded Strain Relief



Model#	Length
1367-C-18	18in (0.5m)
1367-C-24	24in (0.6m)
1367-C-36	36in (0.9m)
1367-C-48	48in (1.2m)
1367-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC/UHF:** Body: tarnish resistant nickel plated brass; Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### SMA Male 50Ω Cable

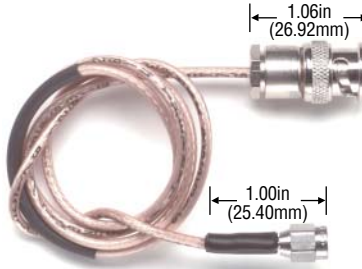


Model#	Length
4846-K-24	24in (0.6m)
4846-K-48	48in (1.2m)
4846-K-60	60in (1.5m)
4846-BB-24	24in (0.6m)
4846-BB-48	48in (1.2m)
4846-BB-60	60in (1.5m)
4846-X-24	24in (0.6m)
4846-X-48	48in (1.2m)
4846-X-60	60in (1.5m)

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### BNC Male to SMA Male 50Ω Teflon Insulated Cable



Model#	Length
4935-BB-24	24in (0.6m)
4935-BB-48	48in (1.2m)
4935-BB-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*.

**SMA:** Body /Fittings: passivated stainless steel; Contact: gold plated brass; Dielectric: PTFE.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### SMA Male to SMA Male Right Angle - 50Ω



RG 174/U	Length
4814-K-24	24in (0.6m)
4814-K-48	48in (1.2m)
4814-K-60	60in (1.5m)
RG 316/U	
4814-BB-24	24in (0.6m)
4814-BB-48	48in (1.2m)
4814-BB-60	60in (1.5m)

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold plated brass. Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### SMA Male to SMA Female



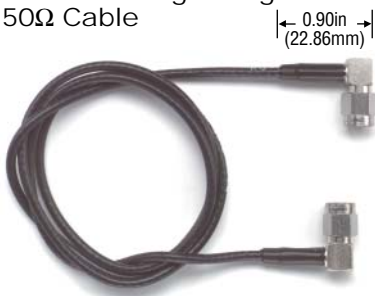
RG 174/U	Length
4528-K-24	24in (0.6m)
4528-K-48	48in (1.2m)
4528-K-60	60in (1.5m)
RG 316/U	
4528-BB-24	24in (0.6m)
4528-BB-48	48in (1.2m)
4528-BB-60	60in (1.5m)
RG 142B/U	
4528-X-24	24in (0.6m)
4528-X-48	48in (1.2m)
4528-X-60	60in (1.5m)

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold plated brass; Dielectric: PTFE.

**SMA (F):** gold plated, beryllium copper center contact; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### SMA Male Right Angle 50Ω Cable



RG 174/U	Length
4813-K-24	24in (0.6m)
4813-K-48	48in (1.2m)
4813-K-60	60in (1.5m)
RG 316/U	Length
4813-BB-24	24in (0.6m)
4813-BB-48	48in (1.2m)
4813-BB-60	60in (1.5m)

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### BNC Male to Type 'N' Male, 50Ω Cable



Model#	Length
1366-C-24	24in (0.6m)
1366-C-36	36in (0.9m)
1366-C-48	48in (1.2m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Dielectric: PTFE.

**Type 'N':** Body: white bronze plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### UHF Male with Molded Strain Relief



Model#	Length
UHF-C-18	18in (0.5m)
UHF-C-24	24in (0.6m)
UHF-C-36	36in (0.9m)
UHF-C-48	48in (1.2m)
UHF-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC/UHF:** Body: tarnish resistant nickel plated brass; Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### Type 'N' Male 50Ω Cable



Model#	Length
1658-T-18	18in (0.5m)
1658-T-24	24in (0.6m)
1658-T-36	36in (0.9m)
1658-T-48	48in (1.2m)
1658-T-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 1,000 Vrms\*.

**Type 'N':** Body: white bronze plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

### SMA Male to Type 'N' Male 50Ω Cable



Model#	Length
5058-X-12	12in (0.3m)
5058-X-24	24in (0.6m)
5058-X-36	36in (0.9m)
5058-X-48	48in (1.2m)
5058-X-60	60in (1.5m)

**SMA:** Body/Fittings: passivated stainless steel; Contact: gold plated brass; Dielectric: PTFE.

**Type 'N':** Body: white bronze plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.

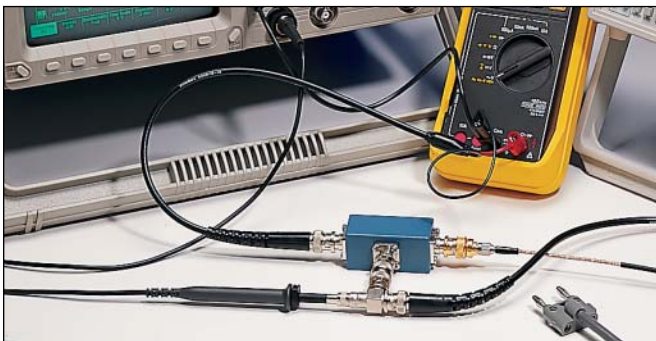
### Type 'N' Male 50Ω Cable



Model#	Length
2256-X-24	24in (0.6m)
2256-X-36	36in (0.9m)
2256-X-48	48in (1.2m)
2256-X-60	60in (1.5m)
2256-C-24	24in (0.6m)
2256-C-36	36in (0.9m)
2256-C-48	48in (1.2m)
2256-C-60	60in (1.5m)

**Type 'N':** Body: White Bronze Plated Brass; Center Contact: Gold Plated Brass; Dielectric: PTFE.

See chart on page 7 for additional wire and cable specifications.



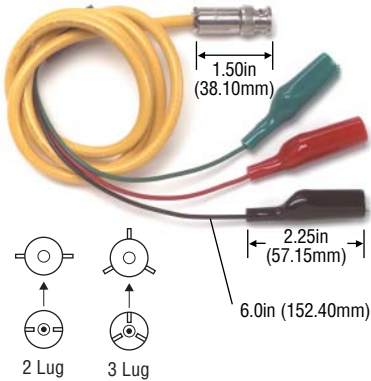
\*see rating message at start of section.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

## Coaxial Cable Assemblies and Breakouts

### Triaxial Male to Three Alligator Test Clips

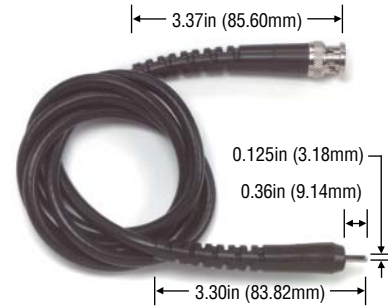
Model#	Cable Type	Lugs	Length
4725	Triaxial	2	36in (0.9m)
5342	Triaxial	3	36in (0.9m)



**Rating:** Hands free testing in controlled voltage environment: 150 Vrms\*.  
**Jaw Opening:** 0.30in (7.62mm) Max.  
**Triaxial:** Body/Fittings: tarnish resistant nickel plated brass; **Intermediate and Center Contacts:** gold plated brass; **Dielectric:** PTFE.  
 See chart on page 7 for additional wire and cable specifications.

### Phono Plug to BNC Male with Molded Strain Relief

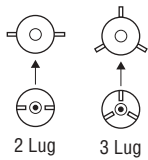
Model#	Length
4963-E-24	24in (0.6m)
4963-E-36	36in (0.9m)
4963-E-48	48in (1.2m)
4963-E-60	60in (1.5m)



**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.  
**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass; **Dielectric:** PTFE.  
**Phone Plug:** Body and Center Contact: nickel plated brass.  
**Strain Relief:** PVC molded directly to cable and connectors.  
 See chart on page 7 for additional wire and cable specifications.

### Triaxial Male Cables

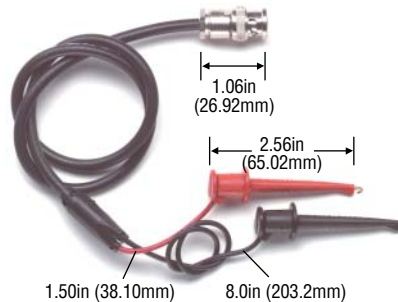
Model#	Cable Type	#Lugs	Length
3581-CC-18	Twinxial	2	18in (0.5m)
3581-CC-24			24in (0.6m)
3581-CC-36			36in (0.9m)
3581-CC-48			48in (1.2m)
3581-CC-60	Triaxial	3	60in (1.5m)
5223-36			36in (0.9m)
5223-60			60in (1.5m)
5054-36			36in (0.9m)
5054-60	Triaxial	2	60in (1.5m)



**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.  
**Triaxial:** Body/Fittings: tarnish resistant nickel plated brass; **Intermediate and Center Contacts:** gold plated brass; **Dielectric:** PTFE.  
**Colors:** 3581: blue, 5223: yellow, 5054: yellow.  
 Triaxial to BNC Adapters on page 24.  
 See chart on page 7 for additional wire and cable

### BNC Male to Minigrabber® Test Clips

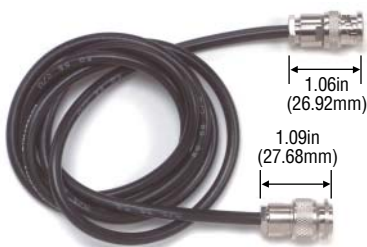
Model#	Length
3787-C-18	18in (0.5m)
3787-C-24	24in (0.6m)
3787-C-36	36in (0.9m)
3787-C-48	48in (1.2m)
3787-C-60	60in (1.5m)



**Rating:** Hands free testing in controlled voltage environment: 300 Vrms\*.  
**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass; **Dielectric:** PTFE.  
**Minigrabber:** Contacts: beryllium gold plated copper; **Insulation:** glass filled nylon.  
**Colors:** One black and one red.  
 See chart on page 7 for additional wire and cable specifications.

### BNC Male to TNC Male, 50Ω Cable

Model#	Length
1948-C-12	12in (0.3m)
1948-C-24	24in (0.6m)
1948-C-36	36in (0.9m)
1948-C-48	48in (1.2m)
1948-C-60	60in (1.5m)



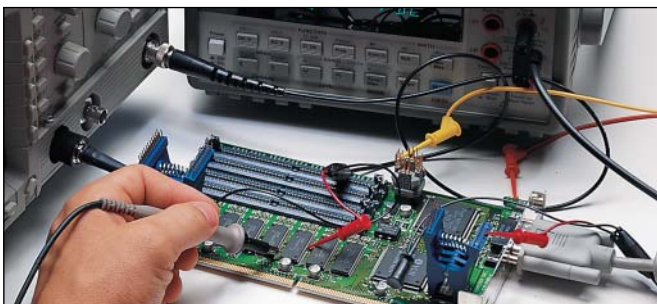
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.  
**BNC/TNC:** Body: tarnish resistant nickel plated brass; **Contact:** gold plated brass; **Dielectric:** PTFE.  
 See chart on page 7 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Minipincer® Test Clips

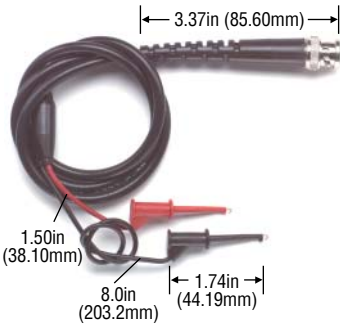
Model#	Length
5423-C-18	18in (0.5m)
5423-C-24	24in (0.6m)
5423-C-36	36in (0.9m)
5423-C-48	48in (1.2m)
5423-C-60	60in (1.5m)



**Rating:** Hands free testing in controlled voltage environment: 300 Vrms\*.  
**BNC:** Body: tarnish resistant nickel plated brass; **Center Contact:** gold plated brass; **Dielectric:** PTFE.  
**Strain Relief:** PVC molded directly to cable and connectors.  
**Minipincer:** Contacts: beryllium gold plated copper; **Insulation:** glass filled nylon.  
**Colors:** One black and one red.  
 See chart on page 7 for additional wire and cable specifications.



### BNC Male with Molded Strain Relief to Micrograbber® Test Clips



Model#	Length
4777-C-24	24in (0.6m)
4777-C-36	36in (0.9m)
4777-C-48	48in (1.2m)
4777-C-60	60in (1.5m)
4777-K-24	24in (0.6m)
4777-K-36	36in (0.9m)
4777-K-48	48in (1.2m)
4777-K-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 150 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Micrograbber:** Contacts: beryllium gold plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 7 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Alligator Test Clips



Model#	Length
4531-C-18	18in (0.5m)
4531-C-24	24in (0.6m)
4531-C-30	30in (0.76m)
4531-C-36	36in (0.9m)
4531-C-48	48in (1.2m)
4531-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 150 Vrms\*.

**Jaws Opening:** 0.3in (7.62mm) max.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

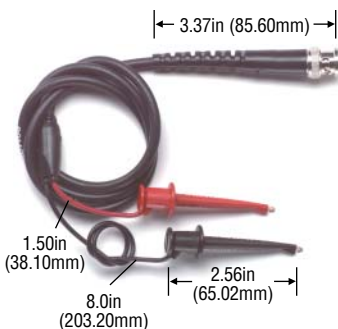
**Strain Relief:** PVC molded directly to cable and connectors.

**Alligator:** Body: steel plated nickel.

**Colors:** Vinyl boots: one black and one red.

See chart on page 7 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Minigrabber® Test Clips



Model#	Length
5187-C-24	24in (0.6m)
5187-C-36	36in (0.9m)
5187-C-48	48in (1.2m)
5187-C-60	60in (1.5m)
5187-K-24	24in (0.6m)
5187-K-36	36in (0.9m)
5187-K-48	48in (1.2m)
5187-K-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 300 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

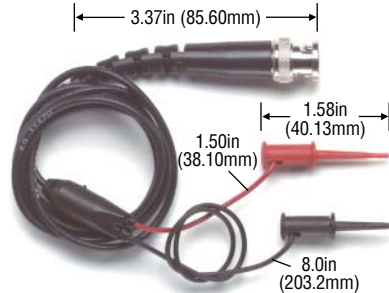
**Strain Relief:** PVC molded directly to cable and connectors.

**Minigrabber:** Contacts: beryllium gold plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 7 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to SMD Grabber® Test Clips



Model#	Length
5304-K-24	24in (0.6m)
5304-K-36	36in (0.9m)

**Rating:** Hands free testing in controlled voltage environment: 150 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

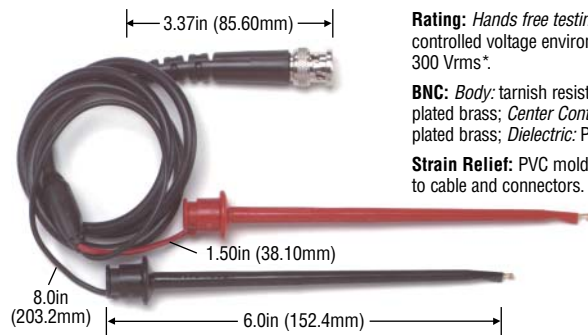
**Strain Relief:** PVC molded directly to cable and connectors.

**Grabber:** Contacts: gold plated stainless steel; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 7 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Maxigrabber® Test Clips



Model#	Length
4648-C-24	24in (0.6m)
4648-C-36	36in (0.9m)
4648-C-48	48in (1.2m)
4648-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 300 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Maxigrabber:** Contacts: beryllium gold plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 7 for additional wire and cable specifications.

### BNC Male with Molded Strain Relief to Minigator® Test Clips



Model#	Length
4532-C-18	18in (0.5m)
4532-C-24	24in (0.6m)
4532-C-30	30in (0.76m)
4532-C-36	36in (0.9m)
4532-C-48	48in (1.2m)
4532-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 45 Vrms\*.

**Jaws Opening:** to 0.18in (47.50mm) max.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Minigator:** Body: steel plated nickel

**Colors:** Vinyl boots: one black and one red.

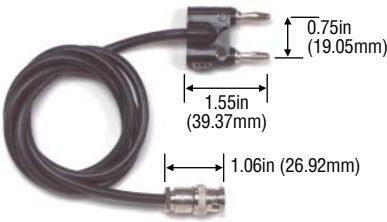
**Rating:** +122°F (+50°C) max.

See chart on page 7 for additional wire and cable specifications.

\*see rating message at start of section.

Coaxial Cable Assemblies and Breakouts

BNC Male to Multi-Stacking Double Banana Plugs



Model#	Length
2BC-BNC-36	36in (0.9m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

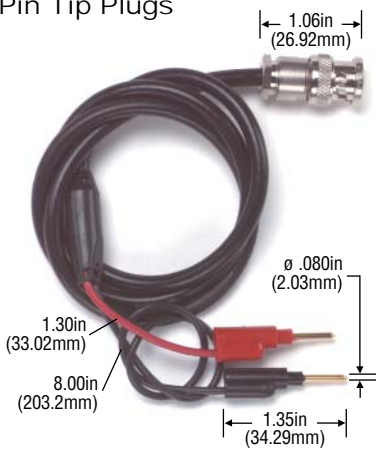
**Cable Type C:** RG58C/U, 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass.

**2nd End: Double Banana Plugs.** Body: nickel plated brass beryllium copper spring; Insulation: polypropylene. Color: black.

**Strain Relief:** PVC molded directly to cable and connectors.

BNC Male to Stacking Pin Tip Plugs



Model#	Length
2882-C-18	18in (0.5m)
2882-C-24	24in (0.6m)
2882-C-36	36in (0.9m)
2882-C-48	48in (1.2m)
2882-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

**Cable Type:** RG58C/U, 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass.

**Pin Tip Plug:** Body: gold plated brass; Insulation: polypropylene.

**Colors:** One black and one red.

**Strain Relief:** contact soldered to cable

See chart on page 7 for additional wire and cable specifications.



BNC Male to ... the ends listed below



**1st End: Crimp BNC Male with Molded Strain Relief.** Body: tarnish resistant nickel plated brass; Center contact: gold plated brass; Impedance: 50Ω, Boot, PVC; Color: black.

**Cable Type C:** RG58C/U

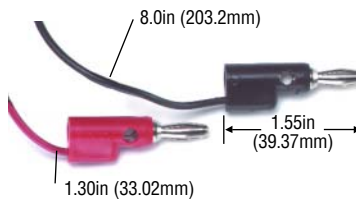
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass

**Strain Relief:** PVC molded directly to cable and connectors.

Match to any end shown below

BNC Male with Molded Strain Relief to Multi-Stacking Banana Plugs



Model#	Length
5268-C-12	12in (0.3m)
5268-C-24	24in (0.6m)
5268-C-36	36in (0.9m)
5268-C-48	48in (1.2m)
5268-C-60	60in (1.5m)

**2nd End: Stacking Banana Plugs.** Body: nickel plated brass beryllium copper spring; Insulation: polypropylene; Colors: one black and one red.

See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Multi-Stacking Double Banana Plug

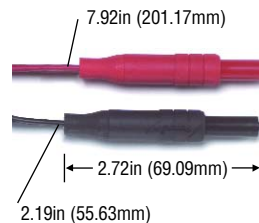


Model#	Length
4530-C-18	18in (0.5m)
4530-C-24	24in (0.6m)
4530-C-36	36in (0.9m)
4530-C-48	48in (1.2m)
4530-C-60	60in (1.5m)

**2nd End: Double Banana Plugs.** Body: nickel plated brass beryllium copper spring; Insulation: polypropylene. Color: black.

See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Retractable Sheath Banana Plugs



Model#	Length
5343-C-12	12in (0.3m)
5343-C-24	24in (0.6m)
5343-C-36	36in (0.9m)
5343-C-48	48in (1.2m)
5343-C-60	60in (1.5m)

Ideal for use with binding posts.

**2nd End: Sheathed Banana Plugs.** Body: nickel plated brass beryllium copper spring; Insulation: nylon.

See chart on page 7 for additional wire and cable specifications.

BNC Male with Molded Strain Relief to Square Pin Receptacles



Model#	Length
4945-K-18	18in (0.5m)
4945-K-24	24in (0.6m)
4945-K-36	36in (0.9m)
4945-K-48	48in (1.2m)
4945-K-60	60in (1.5m)

**2nd End: 0.025in (0.6mm) Square Pin Receptacles** Center Contact, gold plated brass; Insulation: ABS; Colors: one black and one red.

See chart on page 7 for additional wire and cable specifications.

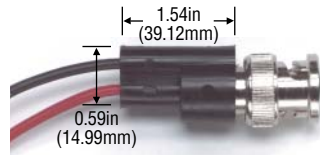
### BNC Male or Female to ... the ends listed below

#### BNC Male (1st End):

Body: tarnish resistant nickel plated brass;  
Center Contact: gold plated brass;  
Insulation: polypropylene; Dielectric: PTFE.

Nominal impedance: 50Ω

Colors: Black.



#### BNC Female (1st End):

Body: tarnish resistant nickel plated brass;  
Center Contact: beryllium gold plated copper;  
Insulation: polypropylene; Dielectric: PTFE.

Nominal impedance: 50Ω

Colors: Black

Match to any end shown below

#### ...Minigrabber® Test Clips (2nd End)



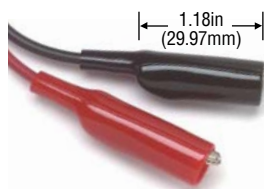
Male Model#	Female Model#	Wire Length
3789	3788	7in (177.8mm)

**Minigrabber:** Contacts: beryllium gold plated copper; Insulation: glass filled nylon

Colors: One black and one red.

Rating: Hands free testing in controlled voltage environment: 300 Vrms\*, +131°F (+55°C) max.

#### ... Alligator Test Clips (2nd End)



Male Model#	Female Model#	Wire Length
2885	2630	7in (177.8mm)

**Alligator:** Body: steel plated nickel.

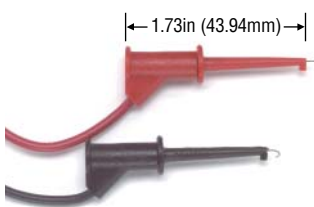
Colors: Vinyl boots: one black and one red.

Rating: +122°F (+50°C) max.

Rating: Hands free testing in controlled voltage environment: 150 Vrms\*.

Jaw Opening: 0.30in (7.62mm).

#### ...Micrograbber® Test Clips (2nd End)



Male Model#	Female Model#	Wire Length
5189	5188	7in (177.8mm)

**Micrograbber:** Contacts: beryllium gold plated copper; Insulation: glass filled nylon.

Colors: One black and one red.

Rating: Hands free testing in controlled voltage environment: 150 Vrms\*, +131°F (+55°C) max.

#### ... Minigator Test Clips (2nd End)



Male Model#	Female Model#	Wire Length
2886	2631	7in (177.8mm)

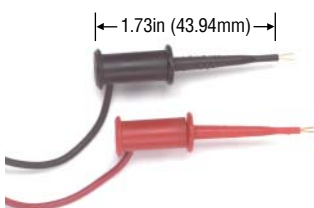
**Minigator:** Body: steel plated nickel.

Colors: Vinyl boots: one black and one red.

Rating: Hands free testing in controlled voltage environment: 45 Vrms\*, +122°F (+50°C) max.

Jaw Opening: 0.18in (47.50mm).

#### ... SMD Grabber® Test Clips (2nd End)



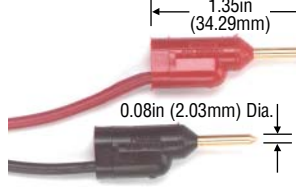
Male Model#	Female Model#	Wire Length
5410	5305	7in (177.8mm)

**Grabber:** Contacts: gold plated stainless steel; Insulation: glass filled nylon.

Colors: One black and one red.

Rating: Hands free testing in controlled voltage environment: 150 Vrms\*, +131°F (+55°C) max.

#### ... Stacking Pin Tip Plugs (2nd End)



Male Model#	Female Model#	Wire Length
3901	3221	7in (177.8mm)

**Pin Tip Plug:** Body: gold plated brass; Insulation: polypropylene.

Colors: One black and one red.

Rating: Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

#### ... 20 AWG Leads (2nd End)



Male Model#	Female Model#	Wire Length
4970	4969	7in (177.8mm)

Rating: Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

2nd End: None.

#### ... Multi-Stacking Banana Plug (2nd End)



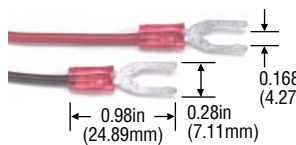
Male Model#	Female Model#	Wire Length
3957	3073	7in (177.8mm)

**Banana Plug:** Body: Brass, Spring: beryllium copper; gold plated. Insulation: polypropylene.

Colors: One black and one red

Rating: Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

#### Female only ... to #8 Spade Lugs (2nd End)



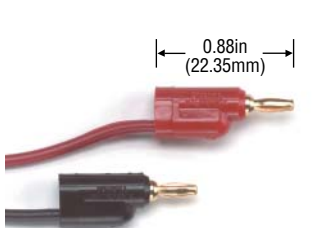
Model#	Length
5051	7in (177.8mm)

**Spade Lug:** Body: Copper, tin plated; Insulation: vinyl.

Colors: One black and one red.

Rating: Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

#### ... Stacking Miniature



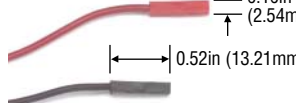
Male Model#	Female Model#	Wire Length
4815	3966	7in (177.8mm)

**Banana Plug:** Body: Brass, Spring: beryllium copper; gold plated. Insulation: polypropylene.

Colors: One black and one red

Rating: Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

#### Female only ... to .025 Square Pin Receptacles (2nd End)



Model#	Length
5069	7in (177.8mm)

**Square Pin:** Copy: gold plated phosphor bronze, ABS insulation.

Colors: One black and one red.

Rating: Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

\*see rating message at start of section.

## Coaxial Connectors, Adapters and Kits

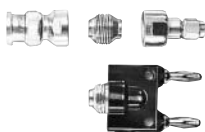
Self constructed cable assemblies for specific applications or deluxe assortments that enable you to be ready for anything. POMONA has everything from a single reliable adapter to versatile kits packaged in lightweight, foam padded cases. containing all the connections and terminations you might need. POMONA – connecting with quality.

### Universal Adapter Kit

Model# 5698



**Kit contains two each:** BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), four intermediate couplers, one double Banana Plug, one double Banana Jack, and case.



### 7/16 DIN Adapter Kit

Model# 6254



This kit will enable the field service technician to connect equipment that has 7/16 DIN connectors to other equipment that has Type N connectors. These connectors are not compatible, but both are commonly found on the same types of telephone equipment and test equipment.

The key feature of the 7/16 DIN connector is the extremely high resistance to inter-modulation interference. These connectors are used in cellular phone and PCS systems to reduce interference in crowded cell sites and also in radio, television and repeater sites.

An assortment of the most useful adapters for conversion between 7/16 DIN and Type N.

**Kit contains one each:**  
 7/16 DIN Male to 7/16 DIN Female Right Angle Adapter  
 7/16 DIN Male to Type N Male Adapter  
 7/16 DIN Male to Type N Female Adapter  
 7/16 DIN Female to Type N Male Adapter  
 7/16 DIN Female to Type N Female Adapter  
 7/16 DIN Female to 7/16 DIN Female Splice  
 All parts are protected by a custom zippered case with die cut foam padding.

### Maxi Universal Adapter Kit

Model# 5748



**Kit contains two each:** BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), UHF (m), UHF (f), Mini UHF (m), Mini UHF (f), F (m), F (f), RCA (m), RCA (f), six intermediate couplers, one double Banana Plug, one double Banana Jack, one sampler, and case.

### Universal Adapter Cable



Model#	Length
5749-24	24in (0.6m)
5749-36	36in (0.9m)
5749-48	48in (1.2m)
5749-60	60in (1.5m)
5749-72	72in (1.8m)

Make cable assemblies with any of the adapters in the universal adapter kits.

### Adapter Kit Accessories

Individual adapters for the Universal Adapter Kits are also available.

Coupling nut Adapter to	Model#	5698	5748
BNC (m)	5735	2	2
BNC (f)	5739	2	2
TNC (m)	5736	2	2
TNC (f)	5740	2	2
SMA (m)	5737	2	2
SMA (f)	5741	2	2
N (m)	5734	2	2
N (f)	5738	2	2
UHF (m)	5752	2	2
UHF (f)	5756	2	2

Coupling nut Adapter to	Model#	5698	5748
Mini UHF (m)	5753		2
Mini UHF (f)	5757		2
RCA (m)	5754		2
RCA (f)	5758		2
F (m)	5759		2
F (f)	5755		2
Coupler	5742	4	6
Dbl Banana Plug	5743	1	1
Dbl Banana Post	5744	1	1
Sampler	5760		1

### Coaxial LAN Test Accessory Kit

Model# 6201

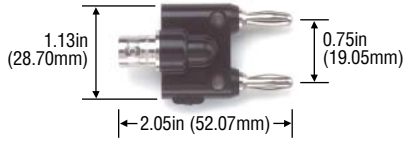


An assortment of products to test or troubleshoot coaxial cable local area networks.

**Kit contains:** two 50Ω BNC Cables, Male to Male and Male to Female; 2 break-outs, BNC (M) to minigrabber® test clips and BNC (M) to minigrabbers; 3 BNC (M) termination plugs for 50, 75, and 100 Ω impedance; 8 BNC and type N adapters, BNC (F-F), BNC T (F-M-F), BNC Rt angle (M-F), BNC (M-M), BNC (F)/Type N (M), BNC (M)/Type N (F), Type N (F-F), and Type N (M-M); and 2 Type N (M) termination plugs for 50 and 75 Ω impedance.

### BNC Female to Double Stacking Banana Plug

**Model# 1269**



**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

**Material:** Banana Plug Jack: brass; Spring: heat treated berylliumcopper; Finish: nickel plating.

### BNC Male to Double Stacking Banana Plug

**Model# 1270**

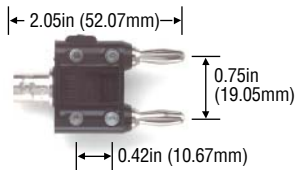


**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

**Material:** Banana Plug Jack: brass; Spring: heat treated berylliumcopper; Finish: nickel plating.

### BNC Female to Double Banana Plug

**Model# 1468**

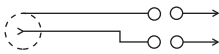


4 solder turrets provide access between BNC and isolated banana plugs.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

**BNC:** isolated from Banana Plugs.

**Material:** Banana Plug Jack: brass; Spring: heat treated berylliumcopper; Finish: nickel plating.



### BNC Male to Stackable Binding Posts

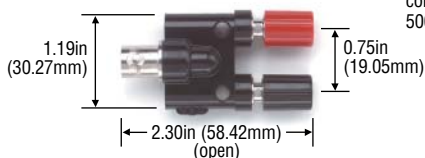
**Model# 1296**



**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

### BNC Female to Stackable Binding Posts

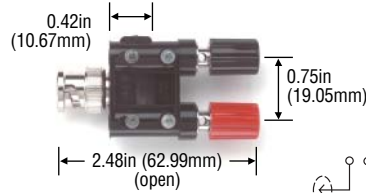
**Model# 1452**



**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

### BNC Male to Stackable Isolated Binding Posts with 4 Terminals

**Model# 1469**



4 solder turrets for component attachments.

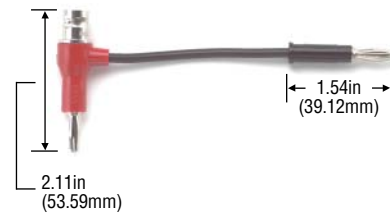
Use to make your own attenuator, balun, or filter.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.



### BNC Female to Single Banana Plug with Ground Lead

**Model# 4684**



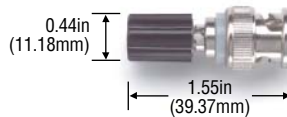
Use with equipment having banana plugs or binding posts with non-standard spacing.

18 AWG Ground wire, 2.5in (63.50mm) long.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +131°F (+55°C) max.

### BNC Male with Binding Post

**Model# 3430\***



**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +239°F (+115°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### BNC Female to Single Banana Plug

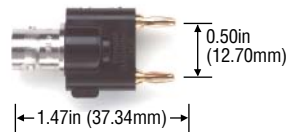
**Model# 1894**



**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

### BNC Female to Miniature Double Banana Plug

**Model# 3269**

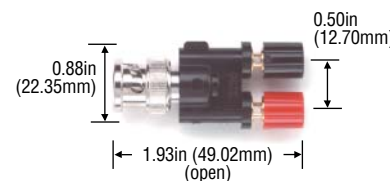


Allows a BNC male to be used with equipment having 0.50in (12.70mm) spaced miniature banana jacks.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

### BNC Male to Miniature Stackable Binding Posts

**Model# 3296**



Binding posts also accept miniature double banana plugs.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

\*see rating message at start of section.

**\*Color Code:** -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

## Coaxial Connectors, Adapters and Kits

### BNC to Banana Plug and Binding Post Adapter Kit

**Model# 5510**



An assortment of many of Pomona's most popular BNC

**Kit contains one each:**  
 BNC Female to Stacking Double Banana Plug  
 BNC Male to Stacking Double Banana Plug  
 BNC Male to Stackable Binding Posts  
 BNC Female to Stackable Binding Posts  
 BNC Female to Female  
 BNC Male to Male adapters.

### BNC 50Ω Attenuator Kit

**Model# 5513**



Kit contains five Model 4108 BNC 50Ω attenuators, one each of 3dB, 6dB, 10dB, 14dB and 20dB.

(Same as Model 4108).

### BNC Male Terminator Plug Kit

**Model# 5512**



Kit contains five BNC Male terminator plugs for 50, 75, 93, 100, and 600 Ω impedance.

(Same as Model 3840 below.)

### BNC 50Ω Attenuator

← 1.98in (50.29mm) →



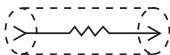
Model#	dB
4108-3dB	3dB
4108-6dB	6dB
4108-10dB	10dB
4108-14dB	14dB
4108-20dB	20dB

**Rating:** 2W Avg. @ 77°F (25°C) max.

50Ω impedance. Metal film resistor attenuator.

### BNC In-Series Resistor Attenuator

← 1.98in (50.29mm) →



Model#	Ω
4391-25	25
4391-50	50
4391-75	75
4391-93	93
4391-600	600

**Rating:** Frequency Range DC to 500 MHz, +216°F (+102°C) max.

Add series resistance to coaxial lines.

1%, 2W, non-inductive film resistor.

### BNC Male Terminator Plugs

← 1.44in (36.83mm) →



Model#	Ω
3840-50	50
3840-75	75
3840-93	93
3840-100	100
3840-600	600

**Rating:** Frequency Range DC to 500MHz, Power .5W @ 158°F (70°C) max.

**Accuracy:** 1%

### BNC M/F with DC-Blocking Series Capacitor

**Model# 5297**

← 1.98in (50.29mm) →



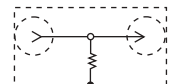
Use for sensitive RF measurements.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +216°F (+102°C) max.

**Capacitor:** 1000 pF, 600 Vdc.

### BNC Feed-Thru Termination

← 1.45in (36.83mm) →



Model#	Ω
4119-50	50
4119-75	75
4119-93	93
4119-600	600

**Rating:** .2W Carbon film resistor.

**Accuracy:** 2%.

**Frequency Range:** DC to 500 MHz, +216°F (+102°C) max.

### Type 'N' Male Terminator Plugs

← 2.07in (52.58mm) →



Model#	Ω
4240-50	50
4240-75	75
4240-600	600

**Rating:** Frequency Range DC to 500 MHz, Power: 1W @ 158°F (70°C) max.

**Accuracy:** 1%.



### BNC Connectors



Fig. 1: Compression Style



Fig. 2: Crimp Style



Fig. 3: Crimp Style

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.

Model#	Type	Special Features	Fig.	Cable Group	RG /UBNC
4488	BNC(m)	50Ω impedance	1	142, 142A, 142B, 223, 58, 5B, 5BA, 5BC, 8C, 141, 141A	
4997	BNC (m)	50Ω	1	RG58 only	
4998	BNC (m)	75Ω Taper Grip*	1	RG59 only	
5079	BNC (m)	75Ω Impedance	1	59, 59A, 59B, 62, 62A, 62B, 62C, 210	
5286	BNC (m)		2	59, 59A, 59B, 62, 62A, 62B, 62C, 210	
5307	BNC (m)	50Ω Impedance	1	174, 174A, 179B, 187, 187A, 188, 188A, 316	
5285	BNC (m)		2	58, 58A, 58C, 141, 141A	
5344	BNC (f)		2	58, 58A, 58C, 141, 141A	

\*Simplified assembly, one-piece hardware.

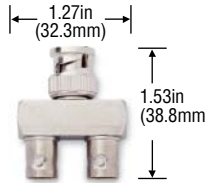
### BNC Within Series Adapters



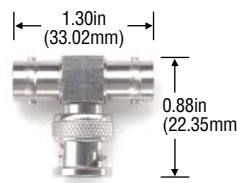
3284



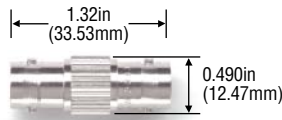
3534



6700



3285



3283



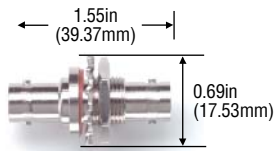
4896



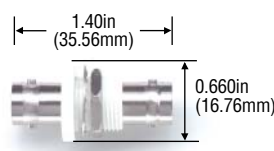
6701



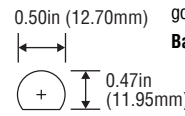
3533



3847  
See Cutout



3846  
See Cutout



Cut-Out  
for 3846/3847

Model#	Type	Special Features
3283	BNC (f/f)	
3533	BNC (m/m)	
3285	BNC (f/m/f)	
3284	BNC (f/f/f)	
4896	BNC (m/f/f)	
3534	BNC (f/m)	Right Angle
3847	BNC (f/f)	Hermetically Sealed (b)
3846	BNC (f/f)	Isolated Ground (a)
6700	BNC (f/m/f)	In-line
6701	BNC (f/m/f)	Right Angle

**Notes:** (a) Mounting hardware is isolated from outer conductor of BNC, (b) Leakage rate less than 10<sup>-7</sup> cc/sec of tracer gas at one atmosphere.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**BNC:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.

**Bandwidth:** to 4 GHz.

### BNC Within Series



#### Model# 5511

An assortment of Pomona's popular BNC within series adapters.

**Kit contains one each:**

- BNC Female to Female 3283
- BNC T (Female/Female/Female) 3284
- BNC T (Female/Male/Female) 3285
- BNC Male to Male 3533
- BNC Right Angle Male to Female 3534
- BNC T (Male /Female/Female) 4896

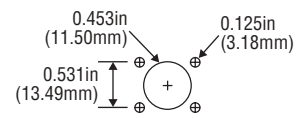
### BNC Panel Receptacles - 50Ω

Model#	Type	Special Features
2447	BNC (m)	0.531in (13.46mm)
2451	BNC (f)	hole spacing ctr. to ctr.
2447A	BNC (m)	0.50in (12.70mm)
2451A	BNC (f)	hole spacing ctr. to ctr.

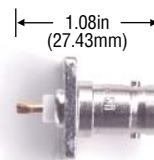
**BNC:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.



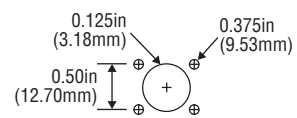
2447/2447A



Cut-Out  
for 2447/2447A



2451/2451A



Cut-Out  
for 2451/2451A

### BNC Shorting Cap or Dust Cap

Model#	Type
5085	Shorting cap
3839	Dust cap



Shorting cap provides protection and supplies a short across an input.

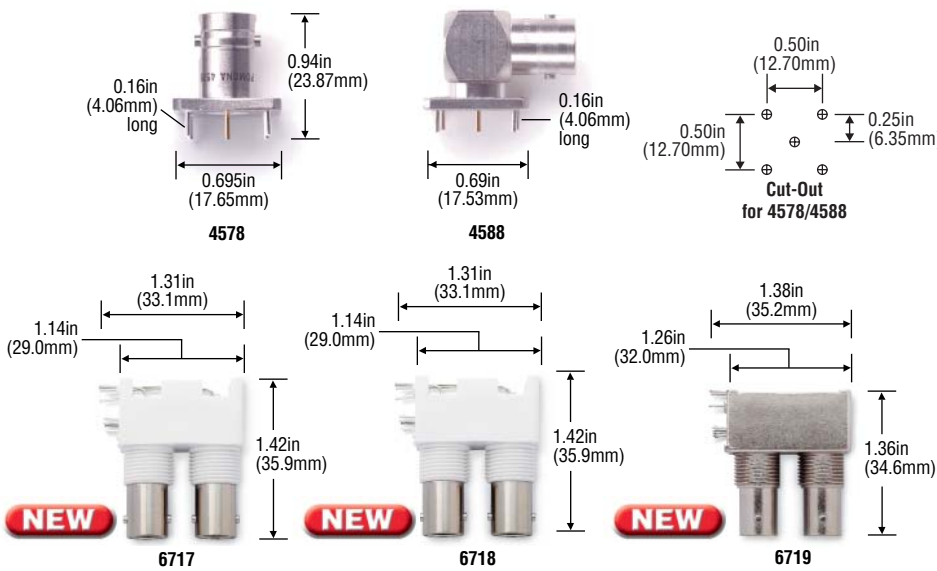
Dust cap protects sensitive instrument inputs and is non-shorting.

Tarnish resistant plating.  
3in (76.20mm) long chain.

\*see rating message at start of section.

## Coaxial - 50Ω Connectors and Adapters

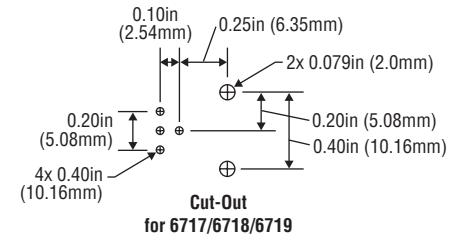
### BNC Female PCB Mount



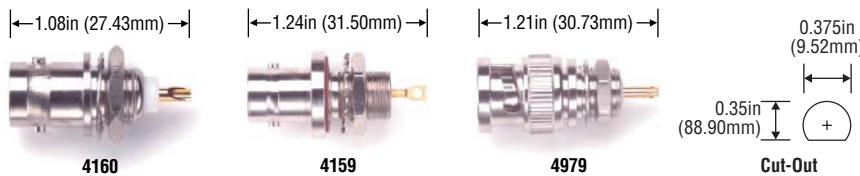
Model#	Type	Material	Ω
4578	Vertical BNC		50Ω
4788	R/A BNC	Brass	50Ω
6717	Dual R/A BNC	White Valox	50Ω
6718	Dual R/A BNC	White Valox	75Ω
6719	Dual R/A BNC	Brass	50Ω

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, Impedance: 50Ω, -85°F to +329°F (+165°C to -65°C)

**BNC:** Body: tarnish resistant nickel plated brass; Contact: gold plated beryllium copper.



### BNC Bulkhead Receptacles - 50Ω

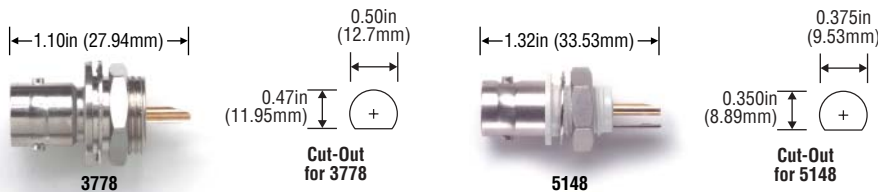


Model#	Type	Special Features	Max. Panel Thickness
4160	BNC (f)		0.10in (2.54mm)
4159	BNC (f)	Hermetically Sealed*	0.37in (9.40mm)
4979	BNC (m)		0.19in (4.83mm)

\* Leakage rate less than 10<sup>-7</sup> cc/sec of tracer gas at one atmosphere.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper (except as noted); Dielectric: PTFE.

### Isolated Ground BNC Female Bulkhead Receptacles



Model#	Special Features	Max. Panel Thickness
3778	50Ω Teflon Insulation	0.175in (4.45mm)
5148	50Ω Valox Insulation	0.18in (4.57mm)

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper.

Mounting hardware is isolated from outer conductor of BNC.

### BNC Male with Strain Relief Boot



Make your own cable with strain relief. Boot w/nut only.

For use with connectors using a 7/16-28 clamp nut. Simply replace supplied nut with the one on the boot.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

Model#	Fits Cable Types	For Cable O.D.	Colors
5066-*	RG 58, 141	0.185in - 0.200 (4.70mm - 5.08mm)	All colors
5068-*	RG 174, 187, 188	0.090in - 0.110in (2.29mm - 2.79mm)	-0 Black, -2 Red
5076-*	RG 58, 141	0.185in - 0.200in (4.70mm - 5.08mm)	-0 Black, -2 Red

\*Specify color

### Strain Relief Boot

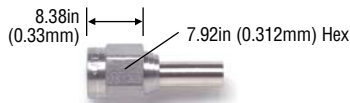


**Rating:** +122°F (+50°C) Max. Use with crimp type connectors. Sold in packages of 10.

Model#	Fits Cable Types	For Cable O.D.	Colors
5155-*	RG 58, 141	0.185in - .200 (4.70mm - 5.08mm)	10 colors
5156-*	RG 59, 62, 210	0.237in - .247in (6.02mm - 6.27mm)	10 colors
5157-*	RG 174, 187, 188	0.090in - .110in (2.29mm - 2.79mm)	-0 Black, -2 Red

\*Specify color

### SMA Coaxial Connector



4804/4859 SMA(M)



4805 SMA(F)

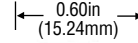
Model#	Fits Cable Types
4804	174, 179, 187
4805	188, 316
4859	55, 142

Supplied with center conductor and sleeve.

**Impedance:** 50Ω.

**SMA:** Shell: passivated steel;  
Dielectric: PTFE.

### SMA Male Terminator Plug



0.31in (7.87mm) Hex

**Model# 4286**

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*.

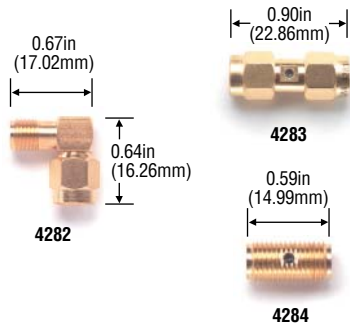
**Impedance:** 50Ω 1/2 W., 1%.

**VSWR:** 1.25 max. to 18GHz, 1/2 W, 85°F to +329°F (65°C to +165°C).

Resistor Terminator.

Gold Plated Stainless Steel with Teflon Insulation.

### SMA within Series Adapters

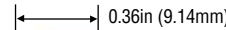


Model#	Type
4282	SMA (f) to (m), Rt. Angle
4283	SMA (m) to (m)
4383A	SMA (m) to (m)*
4284	SMA (f) to (f)

\* Passivated SS

**SMA:** Shell: gold plated brass;  
Center Contacts: gold plated brass;  
Dielectric: PTFE.

### SMA Shorting Cap

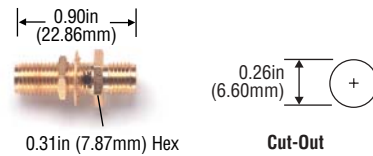


0.31in (7.87mm) Hex

Model#	Outer Shell
5088	Gold Plated

Screw onto SMA female. Protects sensitive instrument inputs or provides a necessary reference short. Gold plated steel center contact.

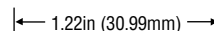
### SMA Bulkhead



Model#	Type
4285	SMA (f) to (f)

**SMA:** Shell: gold plated brass;  
Center Contacts: gold plated brass;  
Dielectric: PTFE.

### SMB Cable Plugs/Jacks



5375

Model#	Type
5375	Cable Plug with Female Contact, Crimp Type
5379	Cable Jack with Male Contact, Crimp Type

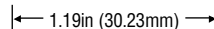
These SMB (Subminiature "B") connectors snap together for quick assembly.

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50Ω.

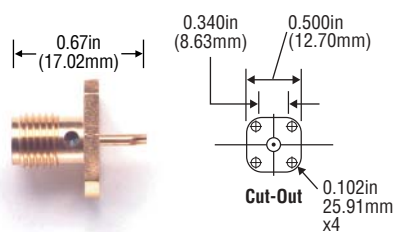
**Frequency Range:** DC to 4GHz.  
Fits RG174 & RG316 cable types.

**SMB:** Shell: tarnish resistant nickel plated brass; Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.



5379

### SMA (F) Panel Receptacle



**Model# 4850**

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**SMA:** Body: gold plated stainless steel; Center Contact: gold plated beryllium copper; Dielectric: PTFE.

**Flange thickness:** 0.065in (1.65mm).

### Type 'N' Connectors



4787

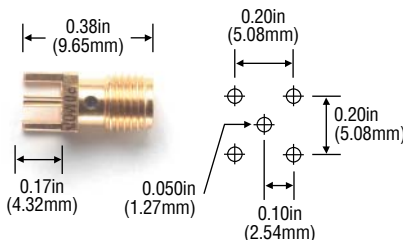
Model#	Type	Description
4787	'N' (m)	Cable connection for RG58 and 142, 223, 141

**N:** Body: bronze plated white brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.

**Impedance:** 50Ω.

**Rating:** Hands free testing in controlled voltage environment: 1,000 Vrms\*.

### SMA PCB Mounting Female



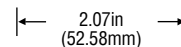
**Model# 4959**

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*, -85°F to 329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**SMA:** Body: gold plated stainless steel; Center Contact: gold plated beryllium copper; Dielectric: PTFE.

### Type 'N' Male Terminator Plugs



Model#	Ω
4240-50	50
4240-75	75
4240-600	600

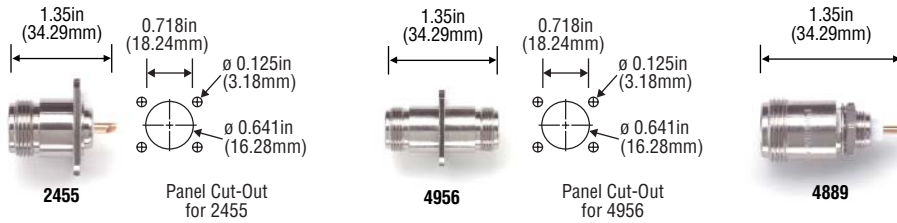
**Rating:** Frequency Range DC to 500 MHz, Power: 1W @ 158°F (70°C) max.

**Accuracy:** 1%

\*see rating message at start of section.

## Coaxial – N, Triax and Twinax Adapters, Plugs and Jacks

### Type 'N' Panel Mount



Model#	Type	Description	Special Features
2455	'N' (f)	Panel Receptacle 50Ω	
4956	'N' (f)	Panel Receptacle 50Ω	
4889	'N' (f)	Bulkhead Receptacle 50Ω	Max Panel 0.080in (2.03mm)

**N:** Body: bronze plated white brass; Center Contact: female: gold plated beryllium copper; Dielectric: PTFE.

**Impedance:** 50Ω.

**Rating:** Hands free testing in controlled voltage environment: 1,000 Vrms\*.

### Type 'N' Adapters



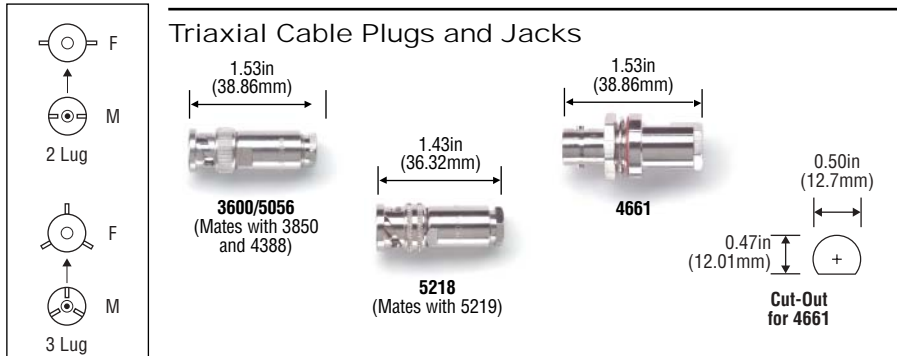
Model#	Type
3841	'N' (f/f)
3842	'N' (m/m)
3843	'N' (f/m)
5089	'N' (f/f/f)

**N:** Body: bronze plated white brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.

**Impedance:** 50Ω.

**Rating:** Hands free testing in controlled voltage environment: 1,000 Vrms\*.

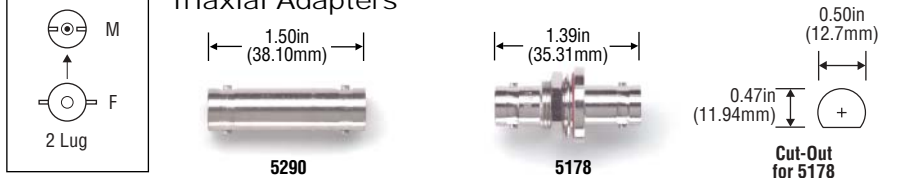
### Triaxial Cable Plugs and Jacks



Model#	Lugs	Max. Panel Thickness	Fits Cable Types
3600	2 Lug M		Belden twinaxial 9272 0.242in (6.15mm) O.D.
4661	2 Lug F	0.14in (3.56mm)	Microdot 293-3930 0.175in (4.45mm) O.D.
5056	2 Lug M		Belden triaxial 9222 0.242in (6.15mm) O.D.
5218	3 Lug F		

**Triaxial:** Body/Fittings: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Outer Contact: gold plated beryllium copper; Dielectric: PTFE.

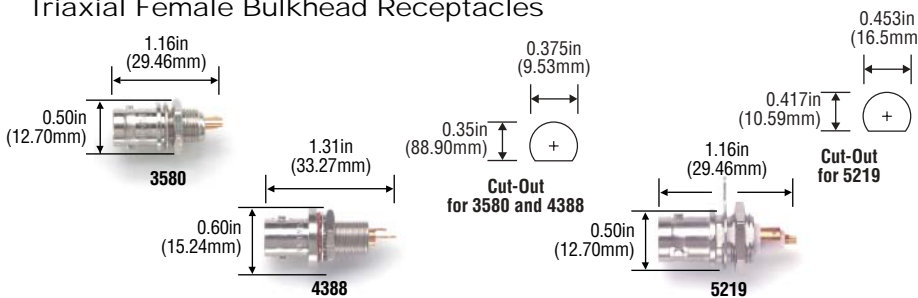
### Triaxial Adapters



Model#	Lugs	Max. Panel Thickness
5178	2 Lug-F	0.25in (6.35mm)
5290	2 Lug-F	

**Triaxial:** Body/Fittings: tarnish resistant nickel plated brass; Center Contact: female: gold plated beryllium copper; Outer Contact: gold plated beryllium copper; Dielectric: PTFE.

### Triaxial Female Bulkhead Receptacles



Model#	Lugs	Max. Panel Thickness
3580	2 lug-F	0.25in (6.35mm)
4388	2 lug-F	0.25in (6.35mm)
5219	3 lug-F	0.14in (3.56mm)

**Note:** (a) Leakage less than 10<sup>-7</sup> cc/sec tracer gas at one atmosphere.

**Triaxial:** Body/Fittings: tarnish resistant nickel plated brass; Center Contact: female: gold plated beryllium copper; Outer Contact: gold plated beryllium copper; Dielectric: PTFE.

### Twinax Cable Plug

**Model# 4957**

Use on twinaxial cable types RG108 and Belden 9272. Polarized Contact (One Male, One Female).

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Material:** Body: tarnish resistant nickel plated brass; Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.



### Twinax Bulkhead Receptacle

**Model# 4958**

**Max. Panel Thickness** 0.13in (3.30mm)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, -85°F to +329°F (-65°C to +165°C).

Polarized Contact (One Male, One Female).

**Material:** Body: tarnish resistant nickel plated brass; Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.



### SMA to BNC

1.06in  
(26.92mm)



4288

1.03in  
(25.16mm)



4290

1.25in  
(31.75mm)



4289

1.00in  
(25.40mm)



4291

Model#	Type
4288	SMA (m) to BNC (m)
4290	SMA (m) to BNC (f)
4289	SMA (f) to BNC (m)
4291	SMA (f) to BNC (f)

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*.

**Impedance:** 50Ω.

**SMA:** Shell: gold plated brass; Center Contacts: gold plated brass; Dielectric: PTFE.

### SMA to Type N

1.30in  
(33.02mm)



4296

1.21in  
(30.73mm)



4298

1.28in  
(35.12mm)



4297

1.17in  
(24.72mm)



4299

Model#	Type
4296	SMA (m) to type N (m)
4298	SMA (m) to type N (f)
4297	SMA (f) to type N (m)
4299	SMA (f) to type N (f)

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*.

**Impedance:** 50Ω.

**Material:** Shell: gold plated brass; Center Contacts: gold plated brass; Dielectric: PTFE.

### SMA to TNC

1.06in  
(26.92mm)



4292

1.03in  
(25.16mm)



4294

1.17in  
(29.72mm)



4293

1.06in  
(26.92mm)



4295

Model#	Type
4292	SMA (m) to TNC (m)
4294	SMA (m) to TNC (f)
4293	SMA (f) to TNC (m)
4295	SMA (f) to TNC (f)

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*.

**Impedance:** 50Ω.

**Material:** Shell: gold plated brass; Center Contacts: gold plated brass; Dielectric: PTFE.

### Type N to BNC

1.46in  
(37.08mm)



3535

1.46in  
(37.08mm)



3288

Model#	Type	Special Features
3535	BNC (m)/N' (f)	
3288	BNC (f)/N' (m)	Beryllium Copper Male Contact

**Rating:** 500 Vrms max., -85°F to +325°F (-65°C to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**N:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper (except as noted); Dielectric: PTFE.

### UHF to BNC

1.31in  
(33.27mm)



3287

1.46in  
(37.08mm)



3286

Model#	Type	Special Features
3287	BNC (m)/UHF (f)	Phos. Bronze Contact Nonconstant Impedance
3286	BNC (f)/UHF (m)	Nonconstant Impedance

**Rating:** Hands free testing in controlled voltage environment: 335 Vrms\*, -85°F to +325°F (-65°C to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**UHF:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper (except as noted); Dielectric: PTFE.

## Coaxial – Between Series Adapters

### BNC to TNC

Model#	Type
3844	BNC (f)/TNC (m)



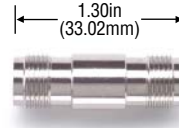
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, -85°F to + 325°F (-65°C to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**BNC:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper (except as noted); Dielectric: PTFE.

### TNC Female/Female Adapter

Model#	Type
4940	TNC (f/f)



**Impedance:** 50Ω.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*.

**TNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated beryllium copper.

### BNC to F

Model#	Type
6714	BNC (m)/F (f)
6715	BNC (f)/F (f)
6716	F (m)/BNC (f)



6714 **NEW**



6715 **NEW**



6716 **NEW**

**BNC:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper (except as noted); Dielectric: PTFE.

### Triaxial to BNC

Model#	Description
5299	3 Lug Triax (f)/BNC (m) adapter
5298	2 Lug Triax (f)/BNC (m) adapter
5090	BNC (f)/2 Lug Triax (m) adapter
5300	BNC (f)/3 Lug Triax (m) adapter



5299



5298



5090



5300

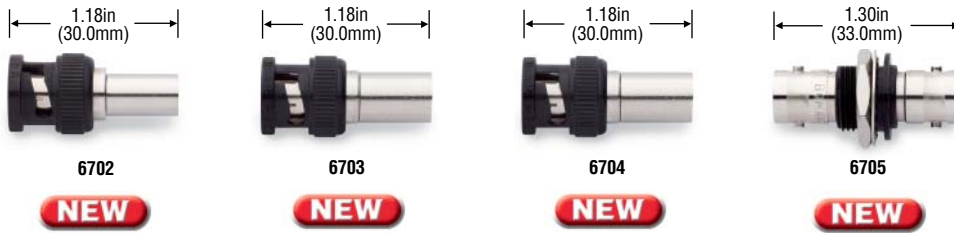
**Triaxial:** Body: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Outer Contact: gold plated beryllium copper; Dielectric: PTFE.



Triaxial shell is shorted to outer shield



### High Definition 75Ω BNC Connectors



Model#	Type	For Cable
6702	BNC (m)	RG59B/U, 20 AWG
6703	BNC (m)	RG6B/U, 18 AWG
6704	BNC (m)	RG59B/U, 23 AWG
6705	BNC (f/f)	Panel Connector

Designed for minimum return loss.

Optimized for performance at HDTV and broadband frequencies.

**BNC:** Shell: tarnish resistant black nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper.

### True 75Ω BNC Male Cable



Model#	Length
6510-V-12-0	12in (0.3m)
6510-V-24-0	24in (0.6m)
6510-V-36-0	36in (0.9m)
6510-V-48-0	48in (1.2m)
6510-V-60-0	60in (1.5m)
6510-V-72-0	72in (1.8m)

BNC connectors are perfectly matched to 75Ω impedance for superior VSWR & return loss performance.

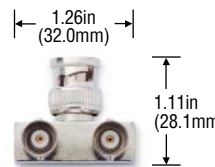
Ideal for digital video and telecommunication applications

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type, Black.

### BNC Within Series Adapters



6700 **NEW**



6701 **NEW**

Model#	Type	Special Features
6700	BNC (f/m/f)	In-line
6701	BNC (f/m/f)	Right Angle

**Notes:** (a) Mounting hardware is isolated from outer conductor of BNC, (b) Leakage rate less than 10<sup>-7</sup> cc/sec of tracer gas at one atmosphere.

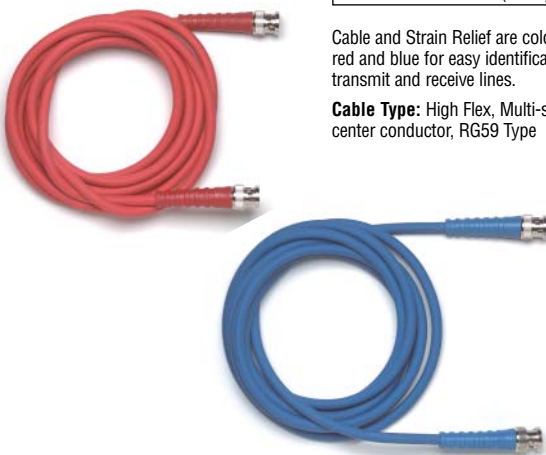
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**BNC:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper; Dielectric: PTFE.

**Bandwidth:** to 4 GHz.

### True 75Ω BNC Cable (Transmit/Receive)



Model#	Length	Color
6510-V-72-2	72in (1.8m)	Red
6510-V-72-6	72in (1.8m)	Blue

Cable and Strain Relief are color coded red and blue for easy identification of transmit and receive lines.

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type

### BNC Male 50Ω Cable with Color-coded Sleeves



Model#	Length
6273-C-12-*	12in (0.3m)
6273-C-24-*	24in (0.6m)
6273-C-36-*	36in (0.9m)
6273-C-48-*	48in (1.2m)
6273-C-60-*	60in (1.5m)

**Model 6273** features flexible PVC sleeves which help prevent inadvertent contact with the outer shell of the BNC and allow for color-coding.

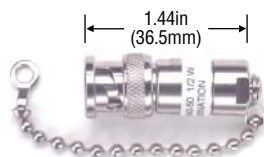
Provides user with electrical insulation from BNC shell.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass.

**Strain Relief:** PVC molded directly to cable and connectors.

### BNC Male Terminator Plugs

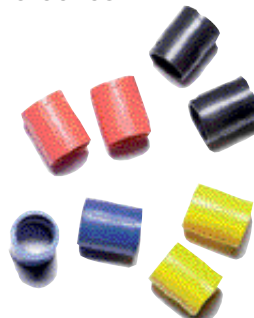


Model#	Ω
3840-50	50
3840-75	75

**Rating:** Frequency Range DC to 500 MHz, Power .5 W @ 158°F (70°C) Max.

**Accuracy:** 1%

### Flexible Color-coded Sleeves



Model#	Pkg. Qty
6291	20
6291-*	2

Available in 10 colors. Fit most BNC male connectors. Resist removal after installation. Perfect for use with any of the Model 2249- type cables.

**Model 6291** contains 2 ea. of 10 colors. Or select pkgs. of 2 of your choice of color.

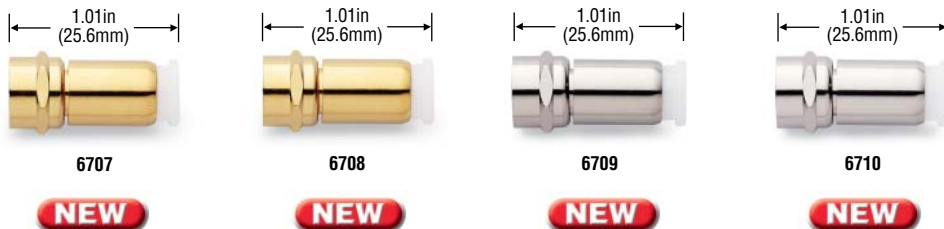
**Model 6291-\*** contains 2 ea. of your choice of color.

\*see rating message at start of section.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

Whether setting up your own home theater or looking for connectors for that next broadcast event, Pomona audio/video accessories get you connected reliably. From F connectors to phono jacks, look to Pomona for parts you can depend on.

### F Connectors



Model#	Type	Finish	For Cable
6707	F (m)	Gold plated	RG6
6708	F (m)	Gold plated	RG59
6709	F (m)	Nickel plated	RG6
6710	F (m)	Nickel plated	RG59

Easy installation. Simply strip the cable and push-on the connector.  
No crimp tool required.  
40lb (18.1kg) minimum cable retention.  
All F Connectors: 75Ω.

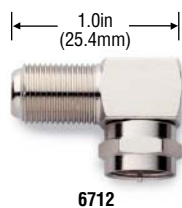
### F Between Series Adapters



Model#	Type
6714	BNC (m)/F (f)
6715	BNC (f)/F (f)
6716	F (m)/BNC (f)

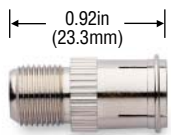
**BNC:** Shell: tarnish resistant nickel plated brass; Center Contact: male: gold plated brass; female: gold plated beryllium copper (except as noted).  
**Dielectric:** PTFE.

### F Within Series Adapters

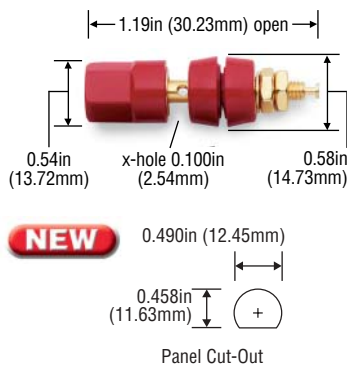


Model#	Type
6712	F (m/f) Right angle
6713	F (m/f) In line, Push-on

**Material:** Machined, nickel-plated brass



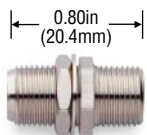
### Hex Head Binding Post



### Model# 5018-\*

Meets MIL-P-55149/1A.  
**Material:** Binding Post Body, Nuts, Lockwasher: gold plated brass; Insulation: nylon MIL-P-20693.  
**Rating:** Hands free testing in controlled voltage environment: 1,500 Vrms\*, 30A, +80°C (+176°) max.  
**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

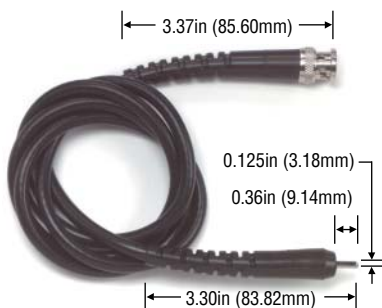
### F Bulkhead Receptacle



Model#	Type
6706	F (f/f) In line, with nut and washer

**Material:** Machined, nickel-plated brass.

### Phono Plug to BNC Male with Molded Strain Relief



Model#	Length
4963-E-24	24in (0.6m)
4963-E-36	36in (0.9m)
4963-E-48	48in (1.2m)
4963-E-60	60in (1.5m)

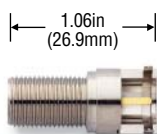
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

**Cable Type:** 75Ω, RG59B/U, 0.242in (6.1mm) O.D.

**BNC:** Body: tarnish resistant nickel plated brass; Center Contact: gold plated brass.

**Strain Relief:** PVC molded directly to cable and connectors.

### F Female PCB Mount



Model#	Type
6711	F (f) Reflow type with TFE insulator

For RG59 and RG6 cable.  
True 75Ω.  
Mounts and locks onto circuit board edge.  
Anti-rotational design.

### Phono Plug Cable with Molded Strain Relief



Model#	Length
5092-K-18	18in (0.5m)
5092-K-24	24in (0.6m)
5092-K-36	36in (0.9m)
5092-K-48	48in (1.2m)

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

**Cable Type:** 50Ω, RG174/U, 0.100in (2.54mm) O.D.

### Straight Cord Female Plug



Model#	Sockets	XLR Type
5109	3	3-11
5125	5	5-11

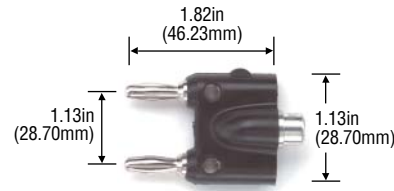
### BNC Female to Phono Plug



**Model# 5319**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, 216°F (+102°C) max.  
**BNC:** Center Contact: nickel plated.

### Phono Jack to Double Stacking Banana Plug



**Model# 1442**

**Rating:** Hands free testing in controlled voltage environment: 500 Vdc\*, +122°F (+50°C) max.  
Permits phono plug to be used with equipment having standard banana jacks or binding posts.

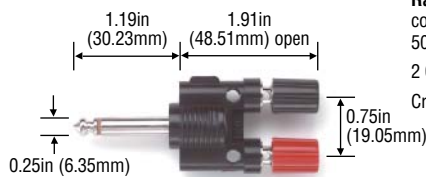
### BNC Male to Phono Jack



**Model# 4054**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.

### 1/4in (6.35mm) Phone Plug Adapter with Binding Posts



**Model# 1285**

**Rating:** Hands free testing in controlled voltage environment: 500 Vdc\*, +122°F (+50°C) max.  
2 Conductor phone plug.  
Cross holes fit double banana plug.

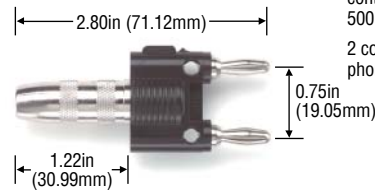
### BNC Female to 1/4in (6.35mm) Phone Plug



**Model# 1297**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.  
Convert 2 conductor audio jacks to BNC.

### 1/4in (6.35mm) Phone Jack to Double Stacking Banana Plug



**Model# 4044**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.  
2 conductor 0.25in (6.35mm) dia. phone jack.

### BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Tini Plug



**Model# 3837**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.  
Convert 2 conductor audio jacks to BNC.

### BNC Female to Two Conductor Micro Plug



**Model# 4267**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.  
Permits BNC male to be used with equipment having micro jacks.  
Phono plug cables are available see page 12.

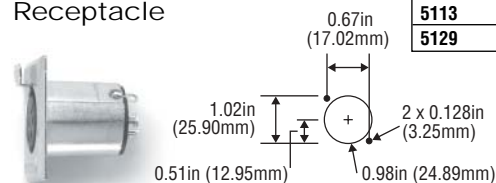
### BNC Male to 1/4in (6.35mm) Two Conductor Phone Jack



**Model# 4043**

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.  
Convert 2 conductor phone plugs to BNC.

### Wall/Floor Mount Female Receptacle



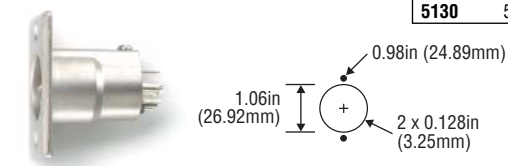
Model#	Sockets	XLR Type
5113	3	3-31
5129	5	5-31

### Straight Cord Male Plug



Model#	Pins	XLR Type
5110	3	3-12
5126	5	5-12

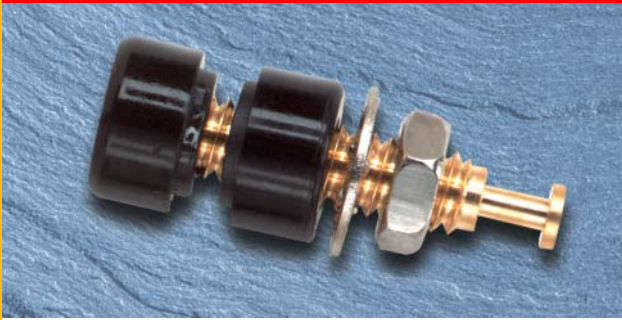
### Wall/Floor Mount Male Receptacle



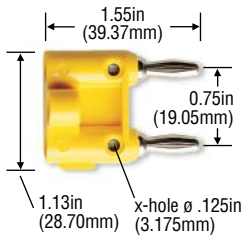
Model#	Pins	XLR Type
5117	3	3-32
5130	5	5-32

\*see rating message at start of section.

Just need a reliable plug or jack? Making your own test set? POMONA's selection is designed to meet demanding electrical characteristics. Nickel-plated plugs feature brass bodies and one-piece heat-treated beryllium copper springs with nylon or ABS insulation. Choose POMONA for the reliable and dependable connections your work demands.



### Double Banana Plug with Wire Guide



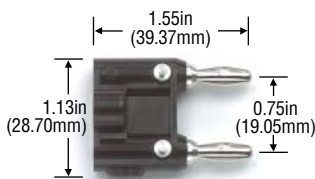
Model#	Plating	Insulation	*Std. Colors
MDP-*	Nickel	ABS	-0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White
4892-*	Gold	ABS	-0 Black, -2 Red
4898-*	Nickel	Polyphenylene Sulfide	-0 Black, -6 Blue
4914			set screws 8-32 x 0.210in (5.33mm), 100/pk

Set screws secure wire. Simplifies cable construction or component mounting. Accepts cables to 0.22in (5.59mm) dia. max., (18-22 AWG wire).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; finish: nickel plating.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) (Model 4898, +302°F (+150°C) max.).

### Double Banana Plug with Solder Turret Terminals



#### Model# MDP-ST

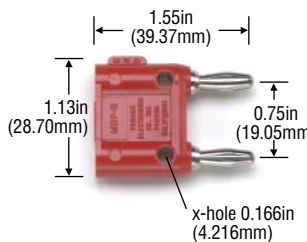
Similar to MDP above except with bright tin plated solder turrets. Accepts cables to 0.215in (5.46mm) dia. max.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.

**Color:** Black

### Double Banana Plug with Shorting Bar



#### Model# MDP-S-\*

Banana plugs internally shorted with #18 AWG wire.

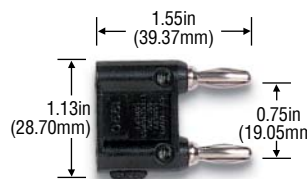
X-hole accepts standard banana plug.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

**\*Std. Colors:** -0 blk, -2 red, -9 white.

### Double Banana Plug, Solderless



#### Model# 1330-\*

Similar to MDP without cable loop.

Features recess for mounting small components with set screws.

Model 1330 has setscrews like MDP.

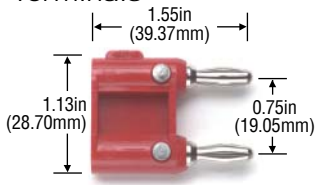
**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Double Banana Plug with Solder Turret Terminals

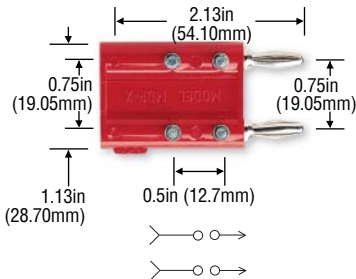
**Model# 1330-ST\***



Similar to Model 1330 above, but features bright tin plated solder turrets.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* polypropylene.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Isolated Double Banana Plug with Four Terminals

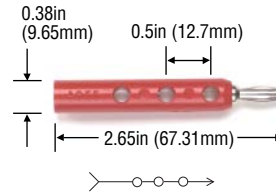
**Model# MDP-X**



Use to make your own attenuator, balun or filter.  
 Jacks are isolated from plugs.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* polypropylene; *Solder turrets:* bright tin plated.  
**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.  
**Color:** Red.

### QUAD Stacking Plug

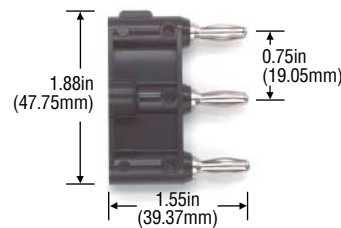
**Model# 3364-\***



Features one in-line stacking and three cross-stacking connections.  
 All jacks are connected to plug.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* ABS.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) Max.  
**\*Std. Colors:** -0 black, -2 red.

### Triple Banana Plug

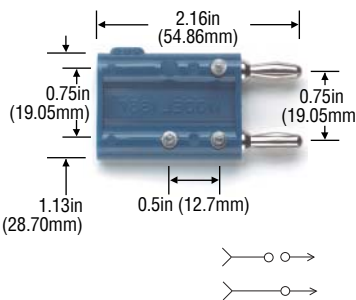
**Model# 2970-\***



Use for balanced line 2 conductor shielded cable assemblies. Accepts cables to 0.250in (6.35mm) dia. max., Setscrews secure wires.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* ABS.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 black, -2 red.

### Isolated Double Banana Plug with Three Terminals

**Model# 1837**



Use to make your own attenuator, balun or filter.  
 One jack is isolated.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* polypropylene; *Solder turrets:* bright tin plated.  
**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.  
**Color:** Blue.

### 4mm Safety Banana Jack to Banana Plug Adapter

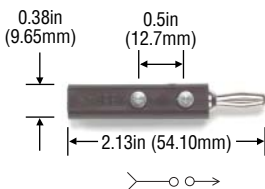
**Model# 6728**



Accepts safety-sheathed 4mm banana plug and adapts to standard banana plug.  
**Material:** nickel plated brass.  
**Rating:** *For CE compliance:* Not intended for hand held use at voltages above 33 Vrms/70 Vdc.  
**\*Std. Colors:** -0 black, -2 red.

### Isolated Single Banana Plug with Two Terminals

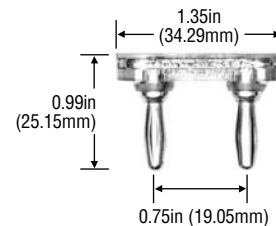
**Model# 1390-\***



Ideal for computers, lab circuit design and testing.  
 Jack is isolated from plug.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* heat treated beryllium copper; *Finish:* nickel plating; *Insulation:* polypropylene; *Solder turrets:* bright tin plated.  
**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 black, -2 red.

### Insulated Double Banana Plug Shorting Bar

**Model# 5145**



Shorting bar is completely insulated in clear ABS thermoplastic.  
 Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** 15A, +122°F (+50°C) max., resistance less than 1.5mΩ.

### Do-It-Yourself 4mm Right Angle Banana Plug

**Model# 6729**



Build your own safety leads with do-it-yourself safety-sheathed 4mm right angle banana plug.  
**Material:** *Contacts:* nickel-plated brass; *Insulation:* lucel acetal polymer.  
**Rating:** IEC1010 1000V Category III\*\*, 20A, 14°F to 176°F (-10°C to +80°C).  
**\*Std. Colors:** -0 black, -2 red.  
 \*\* When plug is correctly assembled and terminated.

## Banana Plugs and Jacks

### Do-It-Yourself 4mm Stackable Banana Plug

Model# 6721

Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

**Material:** Contacts: nickel-plated brass, Insulation: lucel acetal polymer.

Rating: IEC1010 1000V Category III\*\*, 20A, 14°F to 176°F (-10°C to +80°C).

\*Std. Colors: -0 black, -2 red.

\*\* When plug is correctly assembled and terminated.



### Do-It-Yourself Retractable Sheath Banana Plug

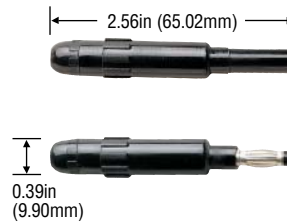
Model#	Color
122505A	Black
122506A	Red

Do-It-Yourself Retractable Sheath Banana Plugs provide fast simple assembly and reliable performance.

**Rating:** For CE CAT II 300V, 150V CAT III.

**Rating:** Hands free testing in controlled voltage environment: 1000 Vrms, 20A, ≤ 2 mΩ.

Accepts 18-22 AWG wire.



### Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack

Model#

6383-*	Plug
6383-02	
6384-*	Jack
6384-02	

Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation.

Attaches to wire by crimp or soldering.

Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.

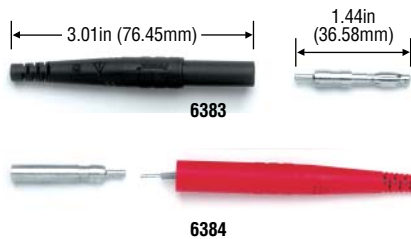
See mating panel jacks (6387 & 6388 on page 32).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Insulation: Santoprene®.

**Rating:** CAT II 300V, 15A, +275°F (+135°C) max.

\*Std. Colors: -0 black, -2 red, -02 black & red (2 per pkg).

\*Sold in pkgs of 10.



### Do-It-Yourself Solderless Stackup Banana Plug with Safety Shield

Internal set screw holds wire firmly.

Safety collar insulates exposed wire leads.

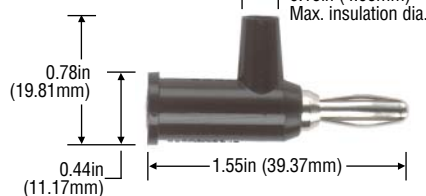
Accepts standard banana plug and fits 0.166in (4.22mm) dia. banana jack.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max. (Model 4899, +302°F (+150°C) max.).

Accepts 18-22 AWG wire.

Model#	Plating	Insulation	Std. Colors
1825-*	Nickel	ABS	-0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White. Sold in pkgs of 10
4897	Gold	ABS	-0 Black, -2 Red
4899	Nickel	Polyphenylene Sulfide	-0 Black, -6 Blue Sold in pkgs of 10
6545	Nickel	ABS	Pkg of 1 ea. of all 10 colors



### Do-It-Yourself Solderless Stackup Banana Plug

4914 set screws 8-32 x 0.210 (5.33mm), 100/pkg.

Internal set screw holds wire firmly.

Accepts standard banana plug, fits standard 0.166in (4.22mm) dia. banana jack.

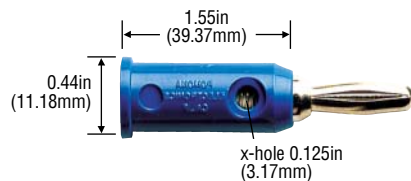
**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max. (Model 5230, +302°F (+150°C) max.).

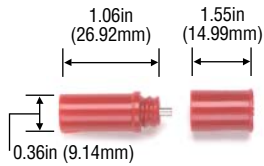
Accepts 18-22 AWG wire.

Model#	Plating	Insulation	Std. Colors
1325-*	Nickel	ABS	-0 Black, -1 Brown, -2 Red, -3 Orange, 4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White.
5406	Gold	ABS	-0 Black, -2 Red
5230	Nickel	Polyphenylene Sulfide	-0 Black, -6 Blue
6546	Nickel	ABS	Pkg. of 1 ea. of all 10 colors

\*Sold in pkgs of 10.



### Do-It-Yourself In-Line Sheathed Banana Plug/Banana Jack



4933/4986 Plugs



4934/4982 Jacks

Model#	Accepts wire AWG	Wire Access Hole	Description
4933-*	22, 20, 18	0.159in (4.04mm) Dia.	Plug
4986-*	16, 14	0.200in (50.8mm) Dia.	Plug
4934-*	22, 20, 18	0.159in (4.04mm) Dia.	Jack
4987-*	16, 14	0.200in (50.8mm) Dia.	Jack

These plugs and jacks are designed to fit together and provide protection from accidental shorting.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Insulation: nylon.

**Rating:** Hands free testing in controlled voltage environment: 1200V ac/dc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +176°F (+80°C) max.

\*Std. Colors: -0 black, -2 red.

### Insulated Banana Plug and Jack with Flexible Boot

Model#	Accepts wire AWG	Mates with...	
5169-*	22, 20, 18	Plug	Jack 5167
5170-*	16, 14		Jack 5168
5167-*	22, 20, 18	Jack	Plug 5169
5168-*	16, 14		Plug 5170



5169/5170 Boots



5167/5168 Jacks

Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to banana plug or jack.

Fits standard 0.166in (4.22mm) dia. banana jack.

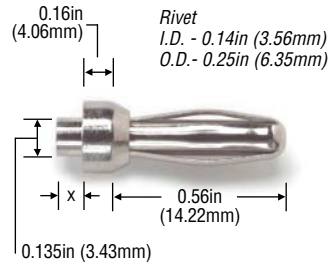
**Material:** Boot: Banana Plug Body: brass; Spring: beryllium copper; Finish: nickel plating; Jack: nickel plated brass.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

\*Std. Colors: -0 black, -2 red.



### Rivet Type Banana Plug



Model#	"X"	Panel
3257	0.094in (2.39mm)	0.062in (1.57mm)
3258	0.125 (3.17mm)	0.093in (2.36mm)

Excellent for riveting to panels or boards.

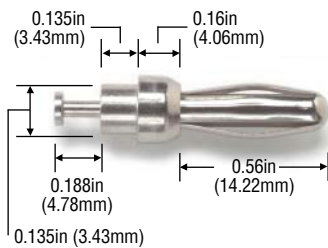
Fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: nickel plating.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A.

Sold in pkgs. of 10.

### Rivet Type Banana Plug with Turret



Model#	3261
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Excellent for riveting to panels or boards.

Solder turret for rapid attachment of wires.

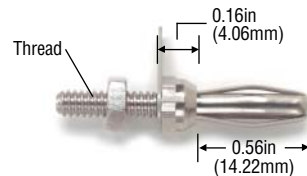
Fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: nickel plating.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A.

Sold in pkgs. of 10.

### Banana Plug with Threaded Stud and Solder Lug



Model#	Thread
3263	6-32 x .50in (12.70mm)
3264	8-32 x .50in (12.70mm)
4511	6-32 x .63in (16.00mm)

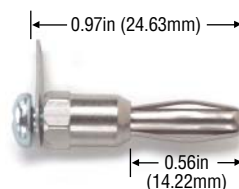
Fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: nickel plating.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A.

Sold unassembled, in pkgs. of 10.

### Banana Plug with Screw and Soldering Lug



Model#	Thread
3265	6-32 x 0.25in (6.35mm)
3266	8-32 x 0.25in (6.35mm)

Fits standard 0.166in (4.22mm) dia. banana jack.

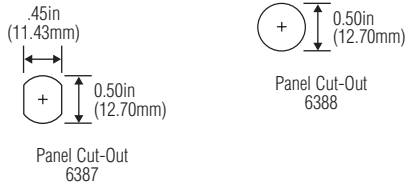
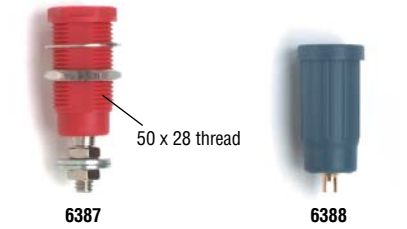
**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: nickel plating.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A.

Sold unassembled, in pkgs. of 10.

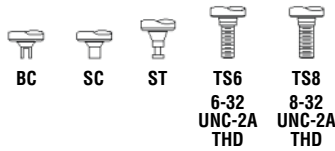
## Banana Plugs and Jacks

### Panel Mount Banana Jacks for Sheathed Plugs



Model#
6387-BC-G*
6387-SC-G*
6387-ST-T*
6387-TS6-N*
6387-TS8-N*
6388-BC-G*
6388-SC-G*
6388-ST-T*
6388-TS6-N*
6388-TS8-N*

Sold in packages of 10.  
6387 comes with Hex Nut and Lock Washer.  
Replacement hex nuts available on page 33.



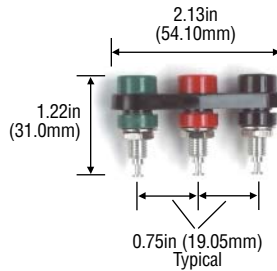
6387-T-P-C  
6388-T-P-C

- Color Options:** -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White.  
**Plating Options:** T = Tin, G = Gold, N = Nickel  
**Terminal Type:** SC = Solder Cup, ST = Solder Turret  
BC = Bifurcated Cup, TS6 = Threaded Stud #6-32  
TS8 = Threaded Stud #8-32

These banana jacks fit most DMM plugs and Pomona 6383 plug on page 30. Available with several different terminals. Threaded and press-in style.

**Rating:** IEC1010 CAT III 1000 Vrms., 15A, meets IEC1010-2-031.

### Panel Mount Banana Jacks with Mounting Base



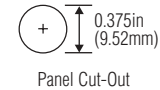
Model#	Mounting Base
2269-*	Double
5233-0	Double High-Temp
4601-*	Triple

Mounts in panels from 0.063in (1.60mm) to 0.375in (9.53mm) thick. One black, one red. Triple has green.

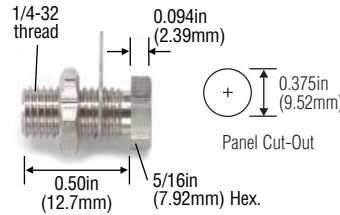
**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A.

**Temp:** +115°F (+239°C) [5233-0: +220°F (+428°C)].

\***Mounting base color:** -0 black, -2 red. Replacement hex nuts available on page 33.



### Uninsulated Banana Jack



Model# 3267

Fits standard banana plug.

**Material:** nickel plated brass.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A.

Replacement hex nuts available on page 33.

### Terminal Strip Adapter, 4mm Safety Banana Jack to 6/32

Model# 6720



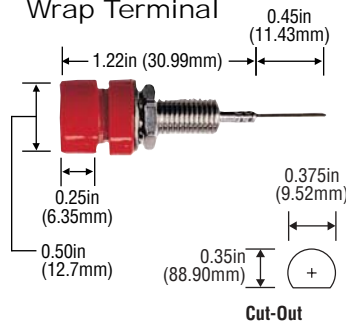
Easily connect your DMM safety sheathed test leads to terminal strips via this handy 6/32 thread adapter.

**Material:** Contacts: nickel-plated brass, Insulation: lucel acetal polymer.

**Rating:** For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, (14°F to 212°F) -10°C to +100°C.

\***Std. Colors:** -0 black, -2 red.

### Banana Jack with Wire Wrap Terminal



Model# 4005-\*

**Material:** Jack: nickel plated brass; Terminal: gold plated phosphor bronze; Insulation: polycarbonate.

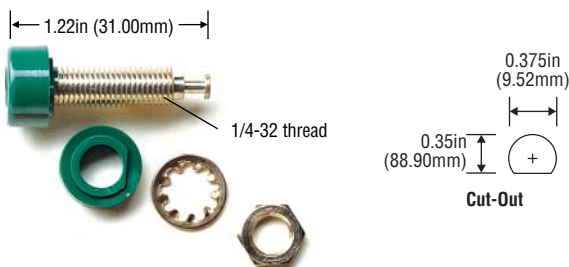
**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 3A, +239°F (+115°C) max.

\***Std. Colors:** -0 black, -2 red.

Sold in pkgs. of 10 per color.

Replacement hex nuts available on page 33.

### Panel Mount Banana Jack



Model#	Plating	Insulation	Std. Colors
1581-*	Bright tin	Polycarbonate	-0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White.
2854-*	Gold	Polycarbonate	
4900-*	Bright tin	Polyphenylene Sulfide	-0 Black, -6 Blue

Mounts in panels ranging in thickness from 0.063in (1.60mm) to 0.375in (9.53mm).

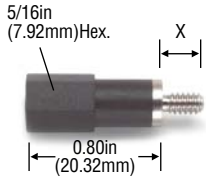
**Material:** Brass.  
**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use

at voltages above 33 Vrms/70 Vdc, 15A, +239°F (+115°C) max. (Model 4900, +428°F (+220°C) max.).

Mounting Bases and replacement hex nuts available on page 33.

Sold in pkgs. of 10 per color.

### Terminal Strip Banana Jack Adapter



Model#	Thread	Vrms	Torque In/Lb	X Stud Length
5699-*	6-32	1100	7	0.25in (6.35mm)
5700-*	8-32	1600	16	0.32in (8.13mm)
5701-*	10-32	1700	25	0.32in (8.13mm)

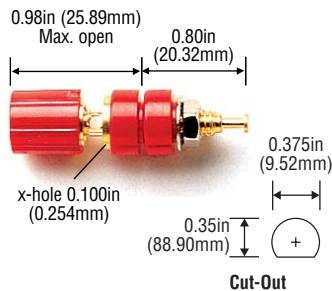
This adapter provides a banana jack connection by replacing the screw in a terminal strip. Secure connections can be made with standard banana plug patch cords without breaking the connection to the terminal strip. Banana jack 0.166in (4.22mm) dia.

**Material:** Banana Jack: nickel plated brass; **Insulation:** Nylon.

**\*Std. Colors:** -0 black, -2 red, -3 orange, -4 yellow, -5 green, -6 blue, -9 white.

**Ratings:** Hands free testing in controlled voltage environment: (see chart for Vrms for each model#); For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 25A, +216°F (+102°C) max.

### Binding Posts



Model#	Material
3750-*	Gold plated brass
3760-*	Bright tin plated brass
3770-*	Gold plated tellurium copper

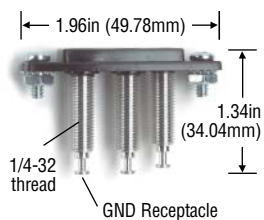
**Insulation:** Polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +239°F (+115°C) max.

**\*Std. Colors:** Available in 10 colors. Sold unassembled.

### Triple Banana Jack

**Model# 4163-0**

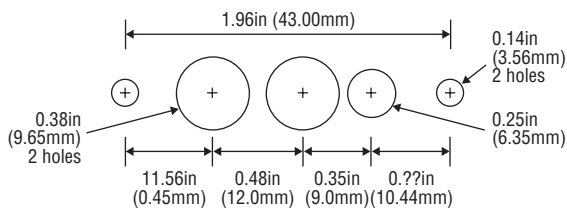


Accepts standard banana plugs up to 0.80in (20.32mm) long.

Initial connection made with ground receptacle.

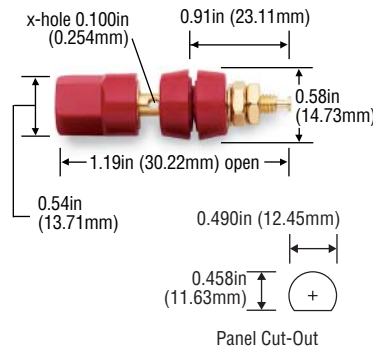
**Material:** Jack: bright tin plated brass; **Insulation:** polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +239°F (+115°C) max. Black only.



### Hex Head Binding Post

**Model# 5018-\***



Meets MIL-P-55149/1A.

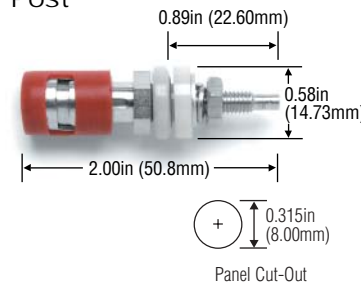
**Material:** Binding Post Body, Nuts, Lockwasher: gold plated brass; **Insulation:** Nylon MIL-P-20693.

**Rating:** Hands free testing in controlled voltage environment: 1500 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 30A, +176° (+80°C) max.

**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

### Spring Loaded Binding Post

**Model# 4995-\***



Meets MIL-P-55149/8.

Silicone rubber O-rings provide water resistant seal when mounted in panels from 0.062in to 0.125in (15.75mm to 3.18mm) thick.

**Material:** nickel plated brass.

**\*Std. Colors:** -0 black, -2 red.

**Model# 6572**

Replacement Binding Post Caps (10/pk.).

### Replacement Hex Nuts

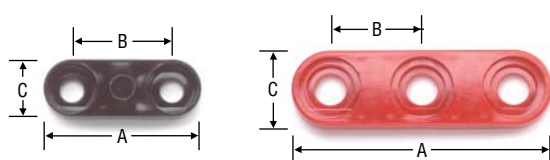


Model#	Qty.	Finish	Wrench Size	Nut Thickness	Thread
6549	500	Nickel	3/16in	0.65in (16.51mm)	4-40
6547	500	Nickel	1/4in	0.95in (24.13mm)	6-32
6440	500	Nickel	1/4in	0.95in (24.13mm)	8-32
6548	100	Gold	3/8in	0.95in (24.13mm)	10-32
6441	500	Nickel	3/8in	0.95in (24.13mm)	1/4-32
6389	100	Nickel	9/16in	0.95in (24.13mm)	1/2-28

### Hex Nut Application Chart

Hex Nut	6549	6547	6440	6548	6441	6389
Fits on	3276	3263	2142	3770	5018	1581
	4513	4511	2143	4022		2269
			6271	2382	4098	2854
			6387-TS6	2383	4243	3267
			6388-TS6	2439	4512	4005
				2440	4543	4069
				3264	4773	4601
				3542	6272	4900
				3750	6387-TS8	5233
				3760	6388-TS8	6270

### Binding Post/Banana Jack Mounting Bases



Model#	Type	Used with	A	B	C
3862-*	Double	Standard	1.19in (30.22mm)	0.75in (19.05mm)	0.44in (11.18mm)
3863-*	Triple	Binding Posts	1.94in (49.28mm)	0.75in (19.05mm)	0.44in (11.18mm)
4619-*	Double	Miniature	0.87in (22.09mm)	0.50in (12.70mm)	0.38in (9.65mm)
4614-*	Triple	Banana Jacks	1.38in (35.05mm)	0.50in (12.70mm)	0.38in (9.65mm)
4654-*	Double	Standard	1.38in (35.05mm)	0.75in (19.05mm)	0.63in (16.00mm)
4590-*	Triple	Banana Jacks	2.13in (54.10mm)	0.75in (19.05mm)	0.63in (16.00mm)

Mount banana jacks and binding posts at standard 0.75in (19.05mm) spacing.

**Rating:** +239°F (+115°C) Max.

**\*Std. Colors:** -0 black, -2 red.

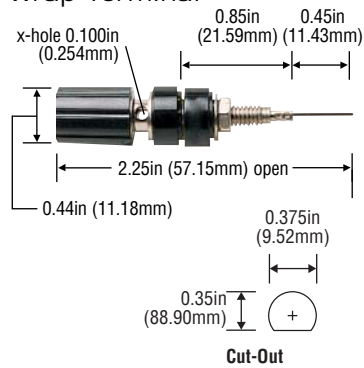
**Material:** polycarbonate

Sold in pkgs. of 10.

**\*Color Code:** -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

## Banana Plugs and Jacks

### Binding Post with Wire Wrap Terminal



**Model# 4098-\***

Accepts standard banana plugs and 0.080in (2.03mm) pin tips, wires and probe tips in 0.100in (2.54mm) cross-hole.

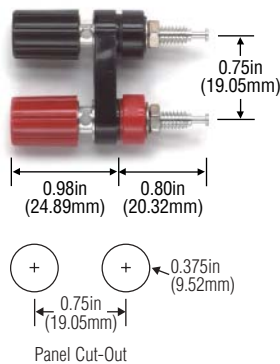
**Material:** Binding Post: nickel plated brass; Terminal: gold plated phosphor bronze; Insulation: polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 3A, +239°F (+115°C) max.

**\*Std. Colors:** -0 black, -2 red.

Cut-Out

### Binding Post with Double Mounting



**Model# 4243-\***

Accepts standard banana plugs and 0.080in (2.03mm) pin tips, wires and probe tips in 0.10in (2.54mm) cross-hole.

One black and one red binding post.

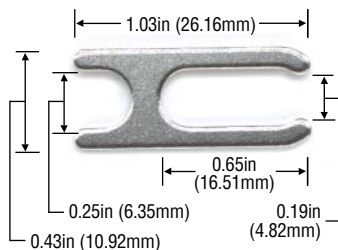
**Material:** Binding Post: bright tin plated brass; Insulation: polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +239°F (+115°C) max.

**\*Mtg. Base Colors:** -0 black, -2 red.

Panel Cut-Out

### Shorting Link for Standard Binding Posts



**Model# 4115**

Solid shorting link for binding posts.

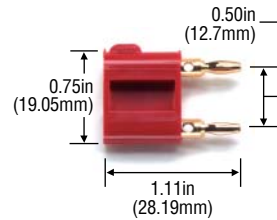
**Material:** nickel plated brass.

**Rating:** 15A.

Sold in pkgs. of 10.

Fits Binding Posts on 0.750in (19.05mm) centers.

### Miniature Double Banana Plug with Set Screws



**Model# 2244-\***

Internal set screws secure cable up to 0.15in (3.81mm) dia. or components.

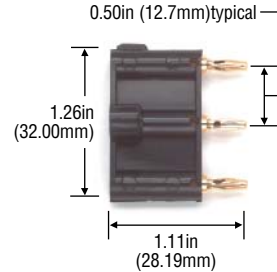
Plugs fit miniature 0.104in (2.64mm) dia. jacks.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

**\*Std. Colors:** -0 black, -2 red.

### Miniature Solderless Type Triple Banana Plug with Wire Guide



**Model# 4653-0**

Use for balanced line 2 conductor shielded cable assemblies.

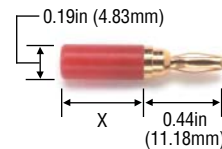
**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

Cable strain relief I.D. 0.19in (4.82mm).

Setscrews secure wires.

### Miniature Solder Type Banana Plug



Model#	Insulator Length (X)
3690-*	0.45in (11.43mm)
4617-*	1.00in (25.14mm)

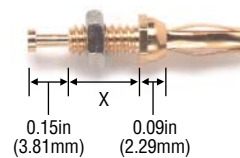
Sold in pkgs. of 10

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating; Insulation: nylon.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +176°F (+80°C) max.

**\*Std. Colors:** -0 black, -2 red.

### Miniature Banana Plug with Threaded Stud



Model#	X Length
3276	0.230in (5.84mm)
4513	0.480in (12.19mm)

Fits miniature 0.104in (2.64mm) dia. banana jacks.

Furnished with 4-40 hex nut, 4-40 threaded stud.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating.

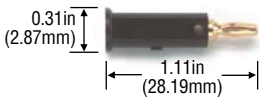
**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A.

Replacement hex nut available on page 33.

Sold unassembled, in pkgs. of 10.

### Do-It-Yourself Miniature Banana Plug

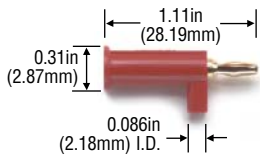
**Model# 2944-\***



Fits miniature 0.104in (2.64mm) dia. banana jacks.  
Wire firmly held in place with internal set screw.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* ABS.  
**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 black, -2 red.

### Do-It-Yourself Miniature Banana Plug with Safety Shield

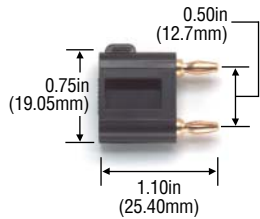
**Model# 2945-\***



Fits miniature 0.104in (2.64mm) dia. banana jacks.  
Wire firmly held in place with internal set screw.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* ABS.  
**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 black, -2 red.

### Miniature Double Banana Plug with Shorting Bar

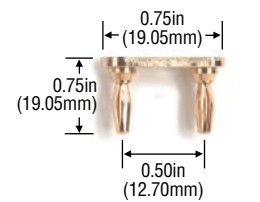
**Model# 2035-\***



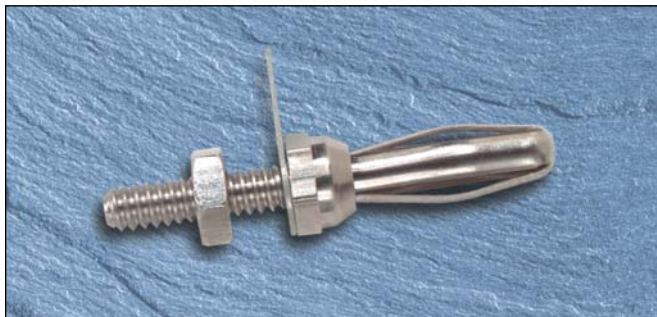
Plugs fit miniature 0.104in (2.64mm) dia. banana jacks.  
Banana plugs internally shorted with 18 AWG wire.  
**Material:** *Banana Plug/Jack:* brass; *Spring:* beryllium copper; *Finish:* gold plating; *Insulation:* ABS.  
**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 black, -2 red.

### Miniature Double Banana Plug Shorting Bar

**Model# 3030**

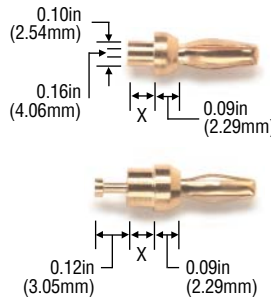


Center hole accepts 4-40 screw.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating.  
**Rating:** 5A. Resistance less than 1.5 mΩ.  
Fits Miniature Binding Posts and Miniature Banana Jacks on 0.5in (12.70mm) centers.



### Miniature Rivet Type Banana Plug

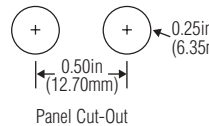
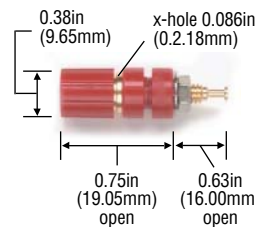
Model#	Panel	X Dim.
3268	0.062in (1.57mm)	0.094in (2.39mm)
3271	0.093in (2.36mm)	0.125in (3.17mm)
3272	0.125in (3.17mm)	0.156in (3.96mm)
3273	0.062in (1.57mm)	0.105in (2.67mm)



Fits miniature 0.104in (2.64mm) dia. banana jacks.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating.  
**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A.  
Sold in pkgs. of 10.

### Miniature Binding Post

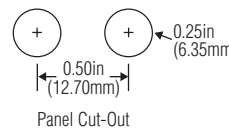
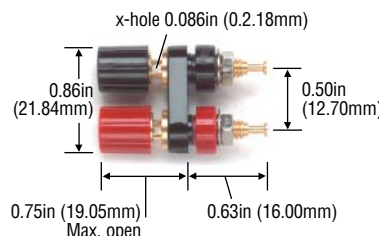
Model#	Plating
2382-*	Gold
2439-*	Tin



Accepts miniature banana plug.  
8-32 hex nut and lockwasher included.  
**Material:** *Binding Post Body, Nut:* brass; *Lockwasher:* steel; *Insulation:* polycarbonate.  
**Rating:** *Hands free testing* in controlled voltage environment: 1500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +239°F (+115°C) max.  
**\*Std. Colors:** Available in 10 colors.  
*Replacement hex nuts available on page 33.*

### Miniature Insulated Binding Post with Double Mounting Base

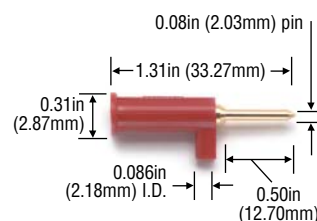
Model#	Plating
2383-*	Gold
2440-*	Tin



Accepts miniature banana plugs.  
8-32 hex nut and lockwasher included.  
**Material:** *Binding Post Body, Nut:* brass; *Lockwasher:* steel; *Insulation:* polycarbonate.  
**Rating:** *Hands free testing* in controlled voltage environment: 1500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +239°F (115°C) max.  
**\*Mounting Base Colors:** -0 black, -2 red.  
*Replacement hex nuts available on page 33.*

### Do-It-Yourself Pin Tip Plug with Safety Shield

**Model# 3548-\***

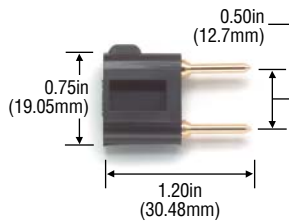


Accepts miniature banana plug.  
Wire firmly held in place with internal set screw.  
**Material:** *Pin Tip Plug/Jack:* gold plated brass; *Insulation:* ABS.  
**Rating:** *Hands free testing* in controlled voltage environment: 3000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 black, -2 red.

## Banana Plugs and Jacks

### Double Pin Tip Plug with Shorting Bar

Model# 3452-\*



Accepts pin tip plugs. Internally shorted with 20 AWG wire. Use as connecting link for 0.50in (12.70mm) spaced pin tip jacks.

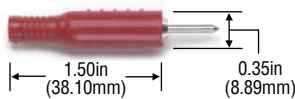
**Material:** Pin Tip Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 3000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +239°F (+115°C) max.

### Do-It-Yourself .080in (20.32mm) Dia. Pin Tip Plug with Flexible Boot

Model# 5173-\*

Accepts Wire AWG 22, 20, 18



Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to pin tip plug.

**Material:** nickel plated brass.

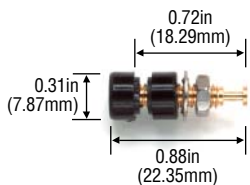
Accepts 18-22 AWG wire.

**Rating:** Hands free testing in controlled voltage environment: 3000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

\*Std. Colors: available in 10 colors.

### Miniature Banana Jack, Panel Mount

Model# 2142-\*



Accepts miniature banana plugs. Mounts in panels up to 0.250in (6.35mm) thick.

**Material:** gold plated brass; Insulation: polycarbonate.

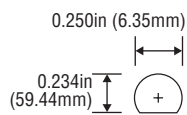
**Rating:** Hands free testing in controlled voltage environment: 1500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +239°F (+115°C) max.

\*Std. Colors: Available in 10 colors.

Uses hex nut 6440.

Replacement hex nuts available on page 33.

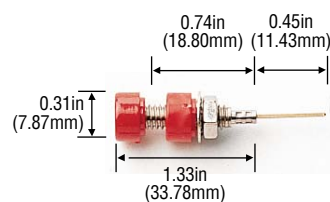
Sold unassembled, in pkgs. of 10 per color.



Panel Cut-Out

### Miniature Banana Jack with Wire Wrap Terminal

Model# 4022-\*



Accepts miniature banana plugs.

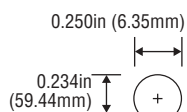
Mounts in panels up to 0.250in (6.35mm) thick.

**Material:** Jack: nickel plated brass; Terminal: gold plated phosphor bronze; Insulation: polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 1500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 3A, +239°F (+115°C) max.

\*Std. Colors: -0 black, -2 red.

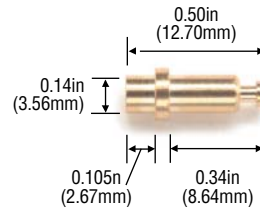
Sold unassembled, in pkgs. of 10.



Panel Cut-Out

### Miniature Rivet Type Banana Jack with Turret

Model# 3277



Accepts miniature banana plugs.

Mounts in panels up to 0.062in (1.57mm) thick.

**Material:** gold plated brass.

**Rating:** Hands free testing in controlled voltage environment: 1500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A.

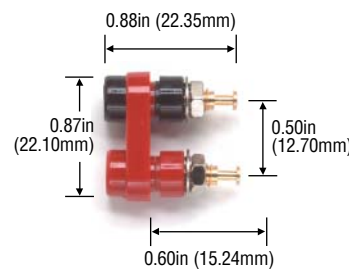
Sold in pkgs. of 10.

**Rec. Mounting Hole:** .140 ± .002 (9/64 Drill).

**Panel Thickness:** 0.062in (1.57mm)

### Miniature Banana Jack in Double Mounting Base, Panel Mount

Model# 2143-\*



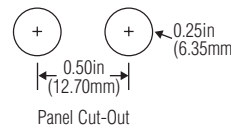
Accepts miniature banana plugs. Mounts in panels up to 0.188in (4.78mm) thick.

**Material:** gold plated brass; Insulation: polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 1500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +239°F (+115°C) max.

\*Std. Mounting Base Colors: -0 black, -2 red.

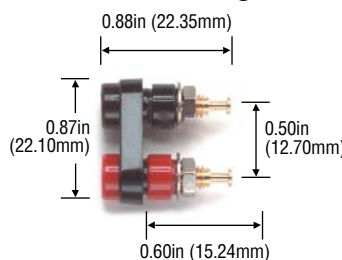
Colors: One black and one red jack.



Panel Cut-Out

### Pin Tip Jacks with Double Mounting Base

Model# 4543-\*



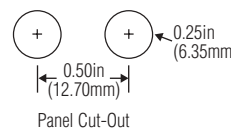
Accepts 0.08in (2.03mm) dia. pin.

Max. panel thickness 0.188in (4.78mm).

**Material:** Jack: gold plated brass; Spring: beryllium copper; Insulation: polycarbonate.

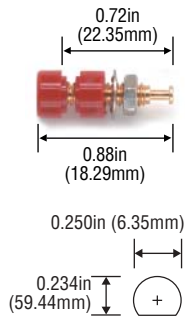
**Rating:** Hands free testing in controlled voltage environment: 1500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +239°F (115°C) max.

\*Mtg. Base Colors: -0 black, -2 red.



Panel Cut-Out

### Pin Tip Jack



Panel Cut-Out

**Model# 3542-\***

Accepts 0.080in (2.03mm) dia. pin.

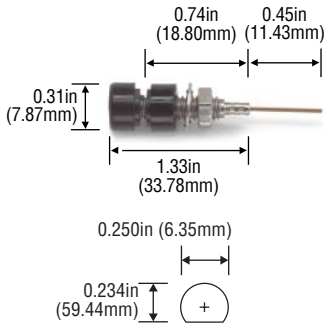
**Material:** Jack: gold plated brass; Spring: beryllium copper; Insulation: polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 1500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +239°F (115°C) max.

\***Std. Colors:** Available in 10 colors.

Sold in pkgs. of 10.

### Insulated Pin Jack with Wire Wrap Terminal



Panel Cut-Out

**Model# 4773-\***

Accepts 0.080in (2.03mm) dia. pin.

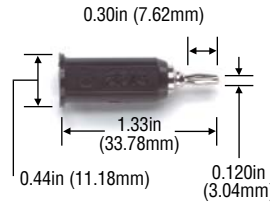
Max. panel thickness 0.25in (6.35mm).

**Material:** Jack: nickel plated brass; Spring: gold plated beryllium copper; Terminal: gold plated phosphor bronze; Insulation: polycarbonate.

**Rating:** Hands free testing in controlled voltage environment: 1500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 3A, +239°F (+115°C) max.

\***Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

### Banana Jack to Miniature Banana Plug



**Model# 2138-\***

Use to mate standard 0.166in (4.22mm) dia. banana plug to equipment having miniature banana jacks.

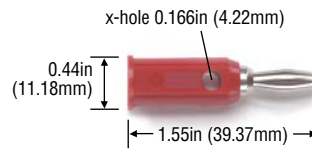
**Material:** Jack: nickel plated brass; Spring: nickel plated beryllium copper; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

\***Std. Color:** -0 black, -2 red.

Sold in pkgs. of 10.

### Miniature Banana Jack to Banana Plug



**Model# 2477-\***

Converts miniature banana plugs to standard.

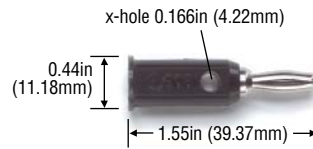
**Material:** Jack: nickel plated brass; Spring: nickel plated beryllium copper; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

\***Std. Color:** -0 black, -2 red.

Sold in pkgs. of 10.

### Pin Tip Jack to Banana Plug



**Model# 1809-\***

Accepts 0.080in (2.03mm) pin tip plug or probe tip. Fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** gold plated beryllium copper.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

\***Std. Color:** -0 black, -2 red.

Sold in pkgs. of 10.

### Double Banana Plug Splice



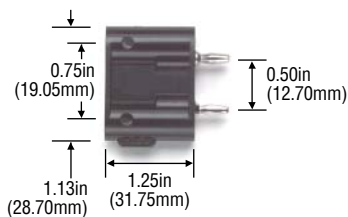
**Model# 1823-\***

Provides rapid method for splicing cables.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.

\***Std. Colors:** -0 black, -2 red.

### Double Banana Jack to Miniature Double Banana Plug



**Model# 2952**

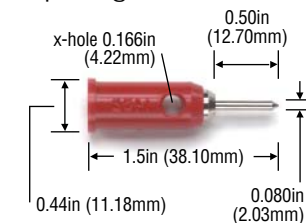
Converts standard banana plugs to miniature.

**Material:** Jack: nickel plated brass; Spring: nickel plated beryllium copper; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

**Color:** Black.

### Banana Jack to Pin Tip Plug



**Model# 1432-\***

Use to mate standard banana plug patch cords to equipment having pin jacks.

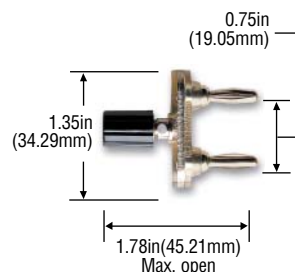
**Material:** Jack/Plug: nickel plated brass; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 3000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

\***Std. Colors:** -0 black, -2 red.

Sold in pkgs. of 10.

### Insulated Double Banana Plug Shorting Bar with Binding Post



**Model# 5165-\***

Fits standard banana jack.

Shorting bar is completely insulated in clear ABS thermoplastic.

**Material:** Binding Post/Banana Plug Body/Shorting Bar: nickel plated brass; Spring: nickel plated beryllium copper; Insulation: polycarbonate.

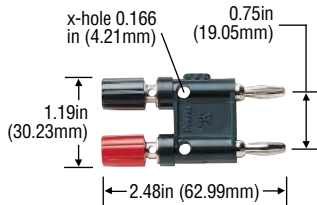
**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

\***Binding Post Colors:** -0 blk, -2 red.

## Banana Plugs and Jacks

### Double Banana Plug with Binding Posts

Model#	Plating
1286	Nickel
5405	Gold



Features insulated binding posts on 0.750in (19.05mm) centers for rapid mounting and interchangeability of components. Center cross hole 0.166in (4.22mm) dia. provides side stackup connection.

**Material:** Binding Post/Banana Plug Body: brass; Spring: beryllium copper; Insulation: ABS.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

**Color:** Black.

### 2 mm Banana Plug

Model#	Plating
5936*	



Solder type wire connection. Accepts 18-22 AWG wire.

**Rating:** Hands free testing in controlled voltage environment: 500 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, ≤ 2 mΩ.

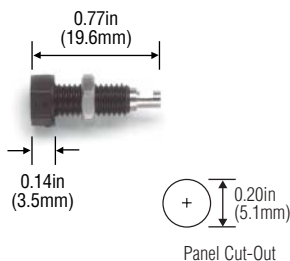
**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

**Assembled Length:** 1.07in (27.2 mm).

Sold unassembled, in pkgs. of 10 per color. Not compatible with Miniature Banana Plug or Pin Tip.

### 2 mm Banana Jack

Model#	Plating
5935*	



**Max. Panel Thickness:** 0.31in (8mm).

**Material:** Insulation: nylon; Finish: nickel plating.

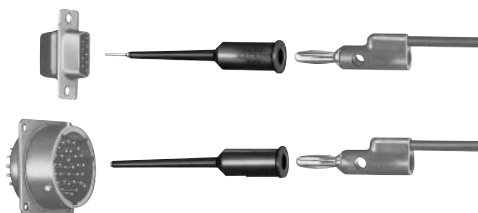
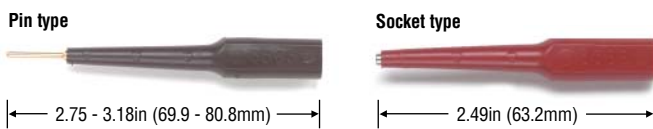
**Rating:** Hands free testing in controlled voltage environment: 500 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, ≤ 2 mΩ.

**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

Sold in pkgs. of 10 per color.

Not compatible with Miniature Banana Plug or Pin Tip.

### Connector Test Adapters



### Banana Jack to .080in (2mm) Dia. Pin Tip Jack

Model#	Plating
3834*	



Adapts standard 0.166in (4.22mm) dia. banana plug to 0.080in (2.03mm) dia. pin tip plug.

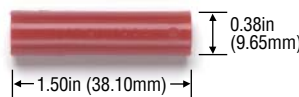
**Material:** Banana Jack: nickel plated brass; Pin Jack: gold plated beryllium copper; Insulation: polypropylene.

**Rating:** Hands free testing in controlled voltage environment: 3000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.

**\*Std Colors:** -0 black, -2 red.

### Single Banana Plug Splice

Model#	Plating
1829*	



Provides rapid method for splicing single banana plug patch cords.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +55°C (+131°F) max.

**\*Std. Colors:** -0 black, -2 red.

Model#	Plating
1286	Nickel
5405	Gold

### Test Connector Adapter Set

Model#	Plating
6481	



Full set of pin and socket adapters.

18 piece set includes one black and red pin and socket of each size.

Includes Silicone insulated 4ft (1.21m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.

Model#	Contact Size	Type	Current Rating
4690*	22 0.030in (0.76mm)	Socket	5A
4691*		Pin	
3560*	20 0.040in (1.02mm)	Socket	7.5A
3561*		Pin	
3562*	16 0.063in (1.60mm)	Socket	13A
3563*		Pin	
3564*	12 0.093in (2.36mm)	Socket	23A
3565*		Pin	

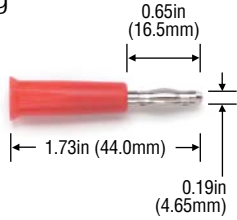
An ideal test adapter for rapid testing of the hard-to-get at contacts of multi-pin/socket connectors. Flexible tip allows testing of adjacent contacts. Flexibility and full insulation protects against shorting or contact damage. Model 4690 also fits 0.025in (0.63mm) sq. pins.

**Material:** Banana Jack: nickel plated brass; Socket: gold plated copper; Pin: gold plated brass; Insulation: PVC.

**Rating:** Hands free testing in controlled voltage environment: 2500 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

**\*Std. Colors:** -0 black, -2 red.

### Do-It-Yourself In-Line 4 mm (0.16in) Banana Plug



**Model# 5934-\***

Wire connection by set screw. Accepts 18, 20 and 22 AWG wire.

**Material:** *Insulation:* Nylon.

**Rating:** *Hands free testing* in controlled voltage environment: 750 V ac/dc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 25A.

**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

Sold in pkgs. of 10 per color.

### Binding Post to Banana Plug



**Model# 2894-\***

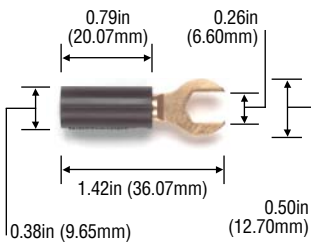
Features insulated binding post for rapid mounting and interchangeability of components. Accepts standard banana plug. Center cross hole 0.166in (4.220mm) dia. provides side stackup connection.

**Material:** *Binding Post/Banana Plug Body:* nickel plated brass; *Spring:* nickel plated beryllium copper; *Insulation:* ABS

**Rating:** *Hands free testing* in controlled voltage environment: 2500 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

**\*Binding Post Colors:** -0 black, -2 red.

### Low Thermal EMF Insulated Spade Lug to Banana Jack



**Model# 2305**

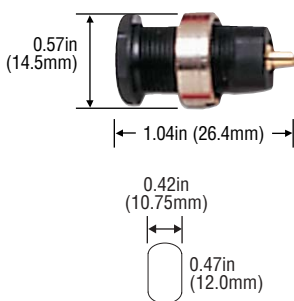
Special alloy and plating preserve the accuracy of low voltage measurement equipment. Thermal effects are minimized. Heavy construction for minimum voltage loss. Mates with low voltage banana plug patch cords and binding posts.

**Material:** *Jack and Spade Lug:* gold plated tellurium copper; *Insulation:* ABS.

**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

Set of one red and one black.

### Panel Mount IEC1010 4 mm (0.16in) Banana Jack for Sheathed Plugs



**Model# 5931-\***

Accepts flexible test lead sets 5907A, 5908A, 5909A available on page 68.

**Max. Panel Thickness:** 0.28in (7.0mm).

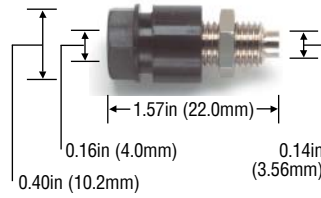
**Insulation:** Nylon.

**Rating:** *Hands free testing* in controlled voltage environment: 1000 Vrms; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 36A, ≤ 1 mΩ.

**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

Sold in pkgs. of 10 per color.

### 4 mm (0.16in) Banana Jack



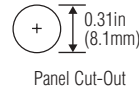
**Model# 5933-\***

Max. Panel Thickness: 0.28in (7.0mm).

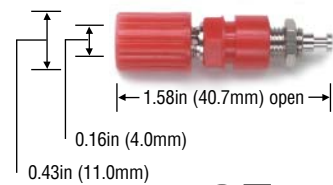
**Rating:** *Hands free testing* in controlled voltage environment: 750 Vrms; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 20A, ≤ 2 mΩ.

**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

Sold in pkgs. of 10 per color.



### 4 mm (0.16in) Binding Post



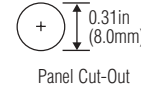
**Model# 5932-\***

**Max. Panel Thickness:** 0.12in (3.0mm)  
Crosshole 0.08in (2.0mm).

**Rating:** *Hands free testing* in controlled voltage environment: 750 Vrms; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 25A, ≤ 2 mΩ.

**\*Std. Colors:** -0 black, -2 red, -4 yellow, -5 green, -6 blue, -9 white.

Sold in pkgs. of 10 per color.



### Spade Lug to DMM Banana Jack



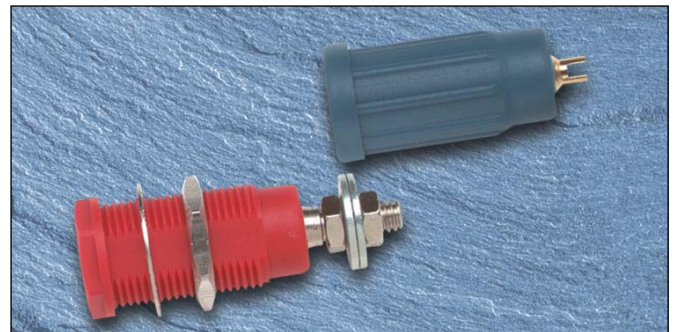
Model#	A	B	Lug Size
3744A-*	0.14in (3.56mm)	0.24in (6.10mm)	4, 5, 6
3777A-*	0.19in (4.83mm)	0.30in (7.62mm)	8, 10

Plugs into DMM leads. Permits single banana plug to be used with equipment having barrier strips, or binding post.

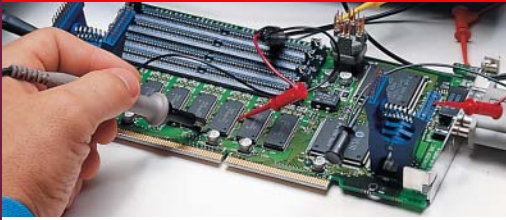
**Material:** *Banana Jack:* nickel plated brass; *Spade Lug:* tin plated copper; *Insulation:* polypropylene.

**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +122°F (+50°C) max.

**\*Std. Colors:** -0 black, -2 red, -02 Set of one black and one red.



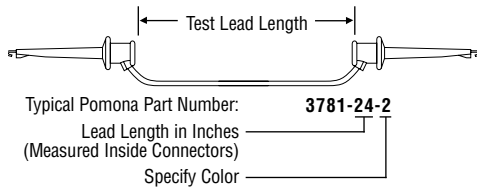
POMONA has made it easy for you to have exactly what you need with a huge selection of patch cords and test leads designed for reliable, convenient connections. Whether you need a test lead that can access an IC pin without shorting or a patch cord that accommodates multiple stacking, POMONA's design and reliability are your connection with quality.



## Wire Specifications

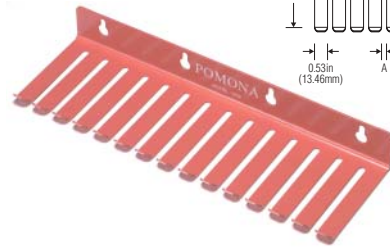
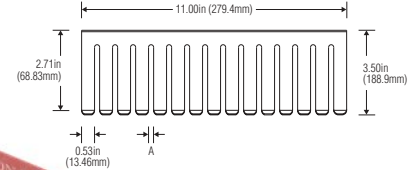
Wire Designation	AWG	Description	O.D.	Jacket	Temperature Range	Color
B	18	65/36 copper	0.144in (3.66mm)	PVC	-4°F to 221°F (-20°C to +105°C)	10 Colors
Silicone	18	65/36 copper	0.144in (3.66mm)	Silicone	-58°F to 302°F (-50°C to +150°C)	Black & Red
P	20	41/35 copper	0.087in (2.20mm)	PVC	-4°F to 221°F (-20°C to +105°C)	10 colors
PTO	22	26/36 copper	0.064in (1.62mm)	PVC	-4°F to 221°F (-20°C to +105°C)	10 colors
	12	7 x 38/36 copper	0.144in (3.66mm)	PVC	140°F (+60°C)	Black, Red, Green

### How To Order



### Test Lead Holders

Model#	Color	"A" Max Cable Dia.	Number of Slots
1508	Orange	0.210in (5.33mm)	14
4408	Black	0.320in (8.13mm)	10
2708	Blue	0.450in (11.43mm)	9



### Multi-stacking sheathed (4mm) Banana Plug Patch Cord

Model# 6727

4ft (1.2 meter) stackable safety lead.

**Material:** Contacts: nickel-plated brass; Wire: multi-strand copper, Insulation: silicone.

**Rating:** IEC1010 1000V Cat III, 20A max (10A cont.), 14°F to 176°F (-10°C to +80°C).

**\*Std. Colors:** -0 black only, -2 red only



NEW

### Horizontal Stacking Banana Plug Patch Cord

Model#	Length
HB-12-*	12in (0.3m)
HB-24-*	24in (0.6m)
HB-36-*	36in (0.9m)
HB-48-*	48in (1.2m)
HB-60-*	60in (1.5m)

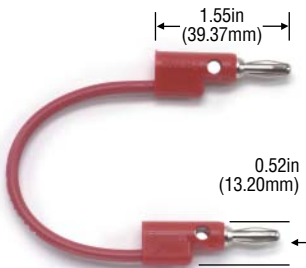
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.

**\*Std. Colors:** -0 blk, -2 red.



### Multi-Stacking Banana Plug Patch Cord



Model#	Length
B-4-*	4in (0.1m)
B-8-*	8in (0.2m)
B-12-*	12in (0.3m)
B-18-*	18in (0.5m)
B-24-*	24in (0.6m)
B-36-*	36in (0.9m)
B-48-*	48in (1.2m)
B-60-*	60in (1.5m)
B-72-*	72in (1.8m)

**Model B:** Multi-Stacking Banana Plug Patch Cord features a nickel plated finish.

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.

**\*Std. Colors:** Available in 10 Colors.

Model#	Length	Special Features
2948-12-*	12in (0.3m)	Gold Plated Finish
2948-24-*	24in (0.6m)	"
2948-36-*	36in (0.9m)	"
2948-48-*	48in (1.2m)	"
2948-60-*	60in (1.5m)	"

**Model 2948** Multi-Stacking Banana Plug Patch Cord features a gold plated finish.

**\*Std. Colors:** -0 blk, -2 red.

### Cross Stacking Banana Plug Patch Cord



Model#	Length
1440-8-*	8in (0.2m)
1440-12-*	12in (0.3m)
1440-18-*	18in (0.5m)
1440-24-*	24in (0.6m)
1440-36-*	36in (0.9m)
1440-48-*	48in (1.2m)
1440-60-*	60in (1.5m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 5000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.

### Multi-Stacking Banana Plug Coiled Patch Cord

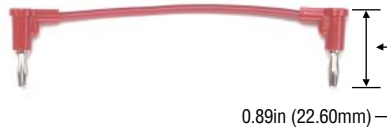


1.55in (39.37mm)

Model#	Ext. Length
2484*	48in (1.23mm)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Extended Length:** 48in (1.2mm).  
 One patch cord replaces many different lengths.  
**Rating:** *Hands free testing* in controlled voltage environment: 270 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Right Angle Stacking BananaPlug Patch Cord



0.89in (22.60mm)

Model#	Length
2864-4-*	4in (0.1)
2864-8-*	8in (0.2m)
2864-12-*	12in (0.3m)
2864-18-*	18in (0.5m)
2864-24-*	24in (0.6m)
2864-36-*	36in (0.9m)
2864-48-*	48in (1.2m)
2864-60-*	60in (1.5m)

**Cable:** 18 AWG Wire, 0.14in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Multi-Stacking Banana Plug Patch Cord with In-Line Fuse Holder



1.55in (39.37mm)

Model#	Length
4274-24-*	24in (0.6m)
4274-36-*	36in (0.9m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C).  
**\*Std. Colors:** -0 blk, -2 red.

### Multi-Stacking Banana Plug to Minigrabber® Test Clip



1.55in (39.37mm)

Model#	Length
3782-12-*	12in (0.3m)
3782-24-*	24in (0.6m)
3782-36-*	36in (0.9m)
3782-48-*	48in (1.2m)
3782-60-*	60in (1.5m)

Hook attaches to component leads up to 0.060in (1.52mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Multi-Stacking Banana Plug to Miniature Stacking Banana Plug



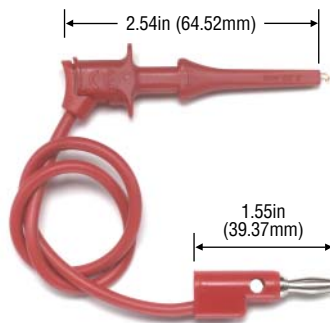
0.88in (22.35mm)

1.55in (39.37mm)

Model#	Length
3014-12-*	12in (0.3m)
3014-18-*	18in (0.5m)
3014-24-*	24in (0.6m)
3014-36-*	36in (0.9m)
3014-48-*	48in (1.2m)
3014-60-*	60in (1.5m)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 3000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Multi-Stacking Banana Plug to Minigrabber® Test Clip

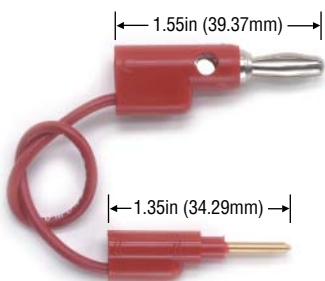


1.55in (39.37mm)

Model#	Length
6249-12-*	12in (0.3m)
6249-24-*	24in (0.6m)
6249-36-*	36in (0.9m)

Features a slim 0.36in (9.14mm) body width. Hook attaches to component leads up to 0.060in (1.52mm) O.D.  
**Cable:** 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A.  
**\*Std. Colors:** -0 blk, -2 red.

### Multi-Stacking Banana Plug to Stacking Pin Tip Plug



1.55in (39.37mm)

1.35in (34.29mm)

Model#	Length
1126-4-*	4in (0.1m)
1126-8-*	8in (0.2m)
1126-12-*	12in (0.3m)
1126-18-*	18in (0.5m)
1126-24-*	24in (0.6m)
1126-36-*	36in (0.9m)
1126-48-*	48in (1.2m)
1126-60-*	60in (1.5m)

20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 3000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Multi-Stacking Banana Plug to Minigrabber® Test Clip (Coiled) Patch Cord



1.55in (39.37mm)

2.54in (64.52mm)

Model#	Ext. Length
4538-*	48in (1.2m)

Hook attaches to components up to 0.060in (1.52mm) O.D.  
**Cable:** 20 AWG Retractable Cord, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C).  
**\*Std. Colors:** -0 blk, -2 red.

## Patch Cords and Test Leads

### Multi-Stacking Banana Plug to Micrograbber® Test Clip



Model#	Length
5053-12-*	12in (0.3m)
5053-24-*	24in (0.6m)
5053-36-*	36in (0.9m)
5053-48-*	48in (1.2m)
5053-60-*	60in (1.5m)

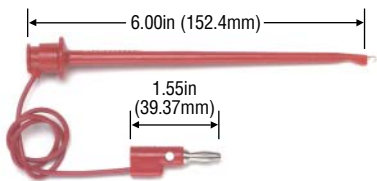
Hook attaches to components up to 0.040in (1.02mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 150V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 3A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

### Multi-Stacking Banana Plug to Maxigrabber® Test Clip



Model#	Length
4996-12-*	12in (0.3m)
4996-24-*	24in (0.6m)
4996-36-*	36in (0.9m)
4996-48-*	48in (1.2m)
4996-60-*	60in (1.5m)

Hook attaches to components up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 300V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

### Multi-Stacking Banana Plug to MiniPincer® Test Clip



Model#	Length
6298-12-*	12in (0.3m)
6298-24-*	24in (0.6m)
6298-36-*	36in (0.9m)

Pincer features a slim 0.36in (9.14mm) body width, ideal for connecting to SMD devices like SOIC's, PLCC's, and discrete leaded components. Pincers open to 0.090in (2.29mm).

**Cable:** 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 300V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A.

\*Std. Colors: -0 blk, -2 red.

### Minigrabber® Test Clip with Sheathed Banana Jack



Model#	Plug Type	Ratings
6248-12-*	Sheathed Banana Jack	IEC1010 2-031 CAT II 300V

Test Lead Extender.

Silicone insulated 1ft (0.3m) leads fit on the end of modular test leads such as Pomona 5907A.

Std. Colors: -0 blk, -2 red.

### Minipincer® Test Clip to Sheathed Banana Jack



Model#	Plug Type	Ratings
6261-12-*	Sheathed Banana Jack	IEC1010 2-031 CAT II 300V

Test Lead Extender.

Silicone insulated 1ft (0.3m) leads fit on the end of modular test leads such as Pomona 5907A.

**Material:** Pincer clamp: gold plated beryllium copper, Wire: 18 AWG, 65 x 36 tinned copper, silicone insulation.

Std. Colors: -0 blk, -2 red.

### Multi-Stacking Banana Plug to MiniPincer® Test Clip



Model#	Length
5421-12-*	12in (0.3m)
5421-24-*	24in (0.6m)
5421-36-*	36in (0.9m)
5421-48-*	48in (1.2m)
5421-60-*	60in (1.5m)

Pincer Opening: 0.090in (2.29mm).

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 300V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

### Minigrabber® Test Clip Leads



6244



5428/6231



6245

Model#	Plug Type	Ratings
6244-48-*	Right-angle DMM	CAT II 300V
5428-48-*	Right-angle DMM	30 Vac
6231	Right-angle DMM	30 Vac
6245-48-*	Straight DMM	CAT II 300V

Silicone insulated 4ft (122m) leads fit most meters from Fluke, Wavetek (Meterman), HP, Amprobe, Greenlee and others

Std. Colors: -0 blk, -2 red

### Multi-Stacking Banana Plug to SMD Grabber® Test Clip



Model#	Length
5302-12-*	12in (0.3m)
5302-24-*	24in (0.6m)
5302-36-*	36in (0.9m)

**Pincer Opening:** 0.040in (1.02mm).

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 150V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 0.5A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

### Two Conductor shielded Balanced Line



Model#	Length
1167-18	18in (0.5m)
1167-24	24in (0.6m)
1167-30	30in (0.76m)
1167-36	36in (0.9m)
1167-48	48in (1.2m)
1167-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 1000 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +131°F (+55°C) max.

Cable Type I: See chart on page 7 for additional cable specifications.

### Double Banana Plug with Safety Shrouds



Model#	Length
6283-C-12	12in (0.3m)
6283-C-24	24in (0.6m)
6283-C-36	36in (0.9m)
6283-C-48	48in (1.2m)
6283-C-60	60in (1.5m)

Fits Digital Multi-meters and other instruments with shrouded jacks.

Offset design designates hot and ground leads.

Black and red banana plug shrouds.

Molded strain relief for long life.

MIL spec coaxial cable.

Overvoltage CAT II, 600V, 5A per IEC1010-2-031.

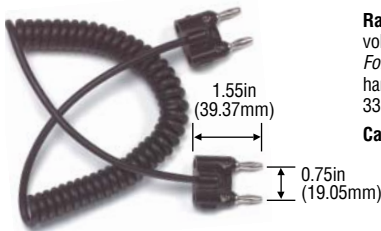
### Multi-Stacking Double Banana Plug Cables



Model#	Cable Type	Length
2BA-18	Two Conductor Twisted Pair, 18 AWG, 0.25in (6.35mm) O.D.	18in (0.5m)
2BA-24		24in (0.6m)
2BA-36		36in (0.9m)
2BA-48		48in (1.2m)
2BA-60	RG58C/U, 0.195in (4.95mm) O.D.	60in (1.5m)
2BC-18		18in (0.5m)
2BC-24		24in (0.6m)
2BC-36		36in (0.9m)
2BC-48		48in (1.2m)
2BC-60	60in (1.5m)	

**Rating:** Hands free testing in controlled voltage environment: 2BA: 300 Vrms, 2BC: 1400 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +131°F (+50°C) max.

### Multi-Stacking Double Banana Plugs on Retractable (Coiled) Cord



Model#	Extended Length
3864-48	48in (1.2m)
3864-60	60in (1.5m)
3864-72	72in (1.8m)

**Rating:** Hands free testing in controlled voltage environment: 90 Vac/270 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

**Cable Type:** Shielded Microphone Cable.

### Multi-Stacking Double Banana Plug, One End Only



Model#	Length
1326-A-60	60in (1.5m)
1326-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: A: 300 Vrms, C: 1400 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +131°F (+55°C) max.

See chart on page 7 for additional cable specifications.

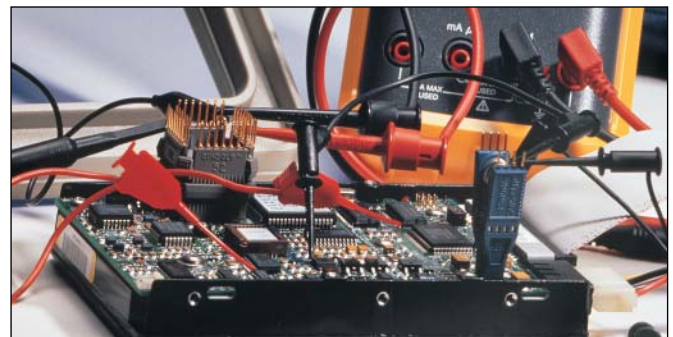
### Multi-Stacking Double to Multi-Stacking Single Banana Plugs



Model#	Length
1368-A-18	18in (0.5m)
1368-A-24	24in (0.6m)
1368-A-30	30in (0.76m)
1368-A-36	36in (0.9m)
1368-A-48	48in (1.2m)
1368-A-60	60in (1.5m)

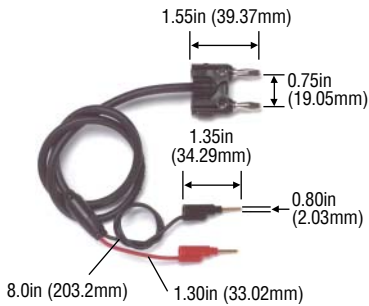
**Rating:** Hands free testing in controlled voltage environment: 300 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

See chart on page 7 for additional cable specifications.



## Patch Cords and Test Leads

### Double Banana Plug to Stacking Pin Tip Plugs



Model#	Length
2BC-PP-18	18in (0.5m)
2BC-PP-24	24in (0.6m)
2BC-PP-36	36in (0.9m)
2BC-PP-48	48in (1.2m)
2BC-PP-60	60in (1.5m)

**Cable Type:** RG58C/U 0.195in (4.95mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 1400 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

### Multi-Stacking Banana Plugs, Two Each End



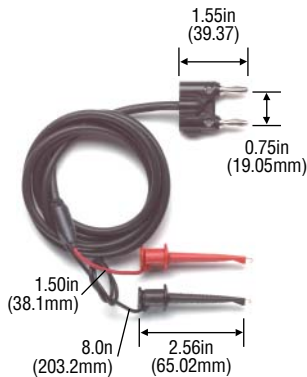
Model#	Length
2239-C-24	24in (0.6m)
2239-C-36	36in (0.9m)
2239-C-48	48in (1.2m)
2239-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 1400 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +131°F (+55°C) Max.

See chart on page 7 for additional cable specifications.



### Multi-Stacking Double Banana Plug to Minigrabber® Test Clips

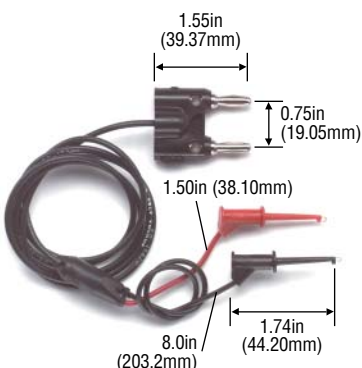


Model#	Length
3786-C-18	18in (0.5m)
3786-C-24	24in (0.6m)
3786-C-36	36in (0.9m)
3786-C-48	48in (1.2m)
3786-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 300 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

See chart on page 7 for additional cable specifications.

### Double Banana Plug to Micrograbber® Test Clips

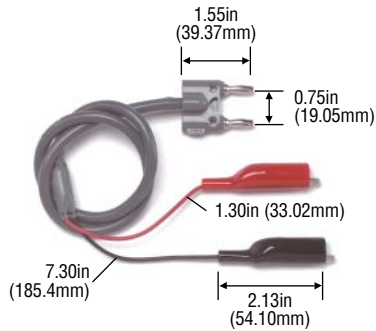


Model#	Length
4768-K-24	24in (0.6m)
4768-K-36	36in (0.9m)
4768-K-48	48in (1.2m)
4768-K-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 150 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

See chart on page 7 for additional cable specifications.

### Double Banana Plug to Alligator Test Clips



Model#	Length
2BA-AL-18	18in (0.5m)
2BA-AL-24	24in (0.6m)
2BA-AL-30	30in (0.76m)
2BA-AL-36	36in (0.9m)
2BA-AL-48	48in (1.2m)
2BA-AL-60	60in (1.5m)

**Cable Type:** Two cond. Twisted Pair

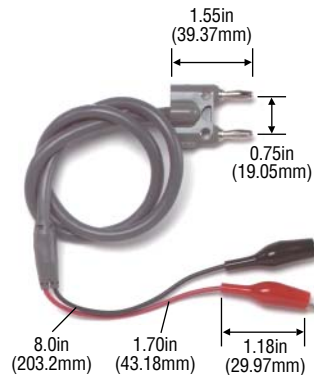
Model#	Length
2BC-AL-18	18in (0.5m)
2BC-AL-24	24in (0.6m)
2BC-AL-30	30in (0.76m)
2BC-AL-36	36in (0.9m)
2BC-AL-48	48in (1.2m)
2BC-AL-60	60in (1.5m)

**Cable Type:** RG58C/U50Ω

**Rating:** Hands free testing in controlled voltage environment: 150 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

**Jaw Opening:** 0.30in (7.62mm) max.

### Double Banana Plug to Minigrator Test Clips



Model#	Length
2BA-MG-18	18in (0.5m)
2BA-MG-24	24in (0.6m)
2BA-MG-30	30in (0.76m)
2BA-MG-36	36in (0.9m)
2BA-MG-48	48in (1.2m)
2BA-MG-60	60in (1.5m)

**Cable Type:** Two cond. Twisted Pair

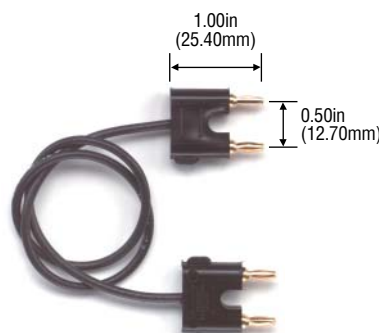
Model#	Length
2BC-MG-18	18in (0.5m)
2BC-MG-24	24in (0.6m)
2BC-MG-30	30in (0.76m)
2BC-MG-36	36in (0.9m)
2BC-MG-48	48in (1.2m)
2BC-MG-60	60in (1.5m)

**Cable Type:** RG58C/U

**Rating:** Hands free testing in controlled voltage environment: 45 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

**Jaw Opening:** 0.187in (4.75mm) max.

### Miniature Double Banana Plug Cable

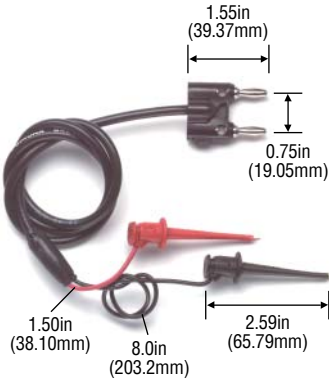


Model#	Length
2247-K-12	12in (0.3m)
2247-K-24	24in (0.6m)
2247-K-36	36in (0.9m)
2247-K-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 1000 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +131°F (+55°C) max.

**Cable Type:** RG174/U, 0.100in (2.54mm) O.D.

### Multi-Stacking Double Banana Plug to Minipincer® Test Clips



Model#	Length
5422-C-24	24in (0.6m)
5422-C-36	36in (0.9m)
5422-C-48	48in (1.2m)
5422-C-60	60in (1.5m)

**Rating:** Hands free testing in controlled voltage environment: 300 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

See chart on page 7 for additional cable specifications.

### Minigator Clips to Miniature Double Banana Plug



Model#	Length
3027-K-24	24in (0.6m)

**Rating:** Hands free testing in controlled voltage environment: 45 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +122°F (+50°C) max.

**Jaw Opening:** 0.187in (4.75mm)  
See chart on page 7 for additional cable specifications.

### Multi-Stacking Double Banana Plug to Miniature Double Banana Plug



Model#	Length
2443-K-24	24in (0.6m)
2443-K-36	36in (0.9m)
2443-K-48	48in (1.2m)
2443-K-60	60in (1.5m)

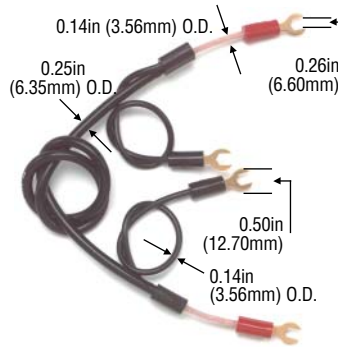
**Rating:** Hands free testing in controlled voltage environment: 1000 Vrms; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, +131°F (+55°C) max.

See chart on page 7 for additional cable specifications.

### Low Thermal EMF Patch Cords

Special alloy plating and construction preserve the accuracy of microvolt and nanovolt measurement equipment. Designed to greatly minimize the effect of Thermal Electric Voltage (Thermal EMF). Thermal EMF is generated at the junction of dissimilar metals at different temperatures and is common source of error in micro- and nano- volt measurements.

### Shielded Low Thermal EMF Spade Lug Patch Cord



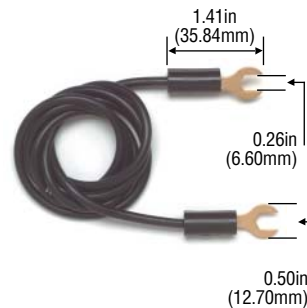
Model#	Length
1756-24	24in (0.6m)
1756-48	48in (1.2m)

**Cable:** 12 AWG Wire, Shield Leads: 18 AWG

**Material:** Spade Lug: gold plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard

**Rating:** Hands free testing in controlled voltage environment: 2000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 20A, 131°F (+55°C) max.

### Low Thermal EMF Spade Lug Patch Cord



Model#	Length
1693-36-*	36in (0.9m)
1693-60-*	60in (1.5m)

**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.

**Material:** Spade Lug: gold plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard.

**Rating:** Hands free testing in controlled voltage environment: 2000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 20A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

### Low Thermal EMF Retractable Sheath Banana



Model#	Length
5291A-12-*	12in (0.3m)
5291A-36-*	36in (0.9m)
5291A-60-*	60in (1.5m)

**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.

**Material:** Plug Body: gold plated tellurium copper; Spring: Gold Plated Beryllium Copper.

**Rating:** 1000V per IEC1010-2-031, 7A, +131°F (+55°C).

\*Std. Colors: -0 blk, -2 red.

### Low Thermal EMF Retractable Sheath Banana Plug to Spade Lug



Model#	Length
5295-36-*	36in (0.9m)

**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.

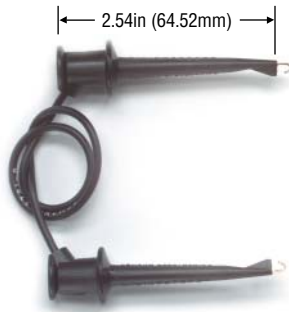
**Material:** Spade Lug: gold plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard; Plug End: gold plated tellurium copper.

**Rating:** Hands free testing in controlled voltage environment: 1000V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 7A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

## Patch Cords and Test Leads

### Minigrabber® Test Clip Patch Cord



Model#	Length
3781-8-*	8in (0.2m)
3781-12-*	12in (0.3m)
3781-18-*	18in (0.5m)
3781-24-*	24in (0.6m)
3781-36-*	36in (0.9m)
3781-48-*	48in (1.2m)
3781-60-*	60in (1.5m)

Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +216°F (+102°C) max.

\*Std. Colors: Available in 10 colors.

### Minigrabber® Test Clip Patch Cord Kit

Model# 5523

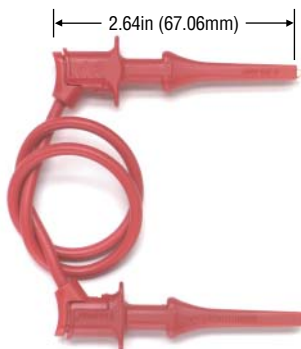
Kit contains 10 pcs. of Model 3781-24, one of each color.

### One End Only

Model#	Length
3780-60-*	60in (1.5m)

\*Std. Colors: -0 blk, -2 red.

### Minigrabber® Test Clip Patch Cord



Model#	Length
6246-12-*	12in (0.3m)
6246-24-*	24in (0.6m)
6246-36-*	36in (0.9m)
6246-48-*	48in (1.2m)
6246-60-*	60in (1.5m)

Features a slim 0.36in (9.14mm) body width. Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.

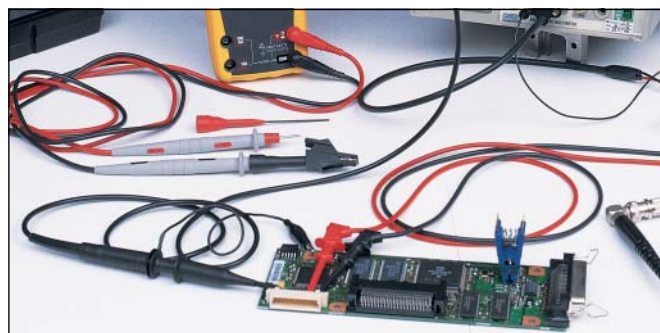
**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A per IEC1010-2-031 CAT II

\*Std. Colors: -0 blk, -2 red.

### One End Only

Model#	Length
6247-48-*	48in (1.2m)

\*Std. Colors: -0 blk, -2 red.



### Minigrabber® Test Clip (Coiled) Patch Cord



Model# 4537-\*

**Cable:** 20 AWG Retractable Cord, 0.087in (2.21mm) O.D. Extended Length: 48in (1.22mm).

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, 140°F (+60°C) max.

\*Std. Colors: -0 blk, -2 red.

### One End Only

Model# 4536-\*

### Minipincer® Test Clip Patch Cord



Model#	Length
5419-8-*	8in (0.2m)
5419-12-*	12in (0.3m)
5419-18-*	18in (0.5m)
5419-24-*	24in (0.6m)
5419-36-*	36in (0.9m)
5419-48-*	48in (1.2m)
5419-60-*	60in (1.5m)

**Pincer Opening:** 0.090in (2.29mm)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +176°F (+80°C) max.

\*Std. Colors: -0 blk, -2 red.

### Minipincer® Test Clip Patch Cord



Model#	Length
6295-12-*	12in (0.3m)
6295-24-*	24in (0.6m)
6295-36-*	36in (0.9m)
6295-48-*	48in (1.2m)
6295-60-*	60in (1.5m)

Features a slim 0.36in (9.14mm) body width ideal for connecting to SMD devices like SOIC's, PLCC's, and discrete leaded components. Contact pincers open to 0.090in (2.29mm).

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A per IEC1010-2-031 CAT II.

\*Std. Colors: -0 blk, -2 red.

### SMD Grabber® Test Clip Patch Cord

← 1.71in (43.43mm) →



Model#	Length
5301-6-*	6in (0.15m)
5301-12-*	12in (0.3m)
5301-24-*	24in (0.6m)
5301-36-*	36in (0.9m)

**Pincer Opening:** 0.04in (1.63mm).  
**Cable:** 22 AWG Wire, 0.064in (1.60mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 150V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 0.5A, +216°F (+102°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### SMD Grabber® Test Clip Patch Cord Kit

**Model# 5521**  
 Kit contains 10 pcs. of Model 5301-24, one each of ten colors.

### One End Only

**Model# 5303-36-\***  
**\*Std. Colors:** -0 blk, -2 red.

### MicroGrabber® Test Clip Patch Cord

← 1.71in (43.43mm) →



Model#	Length
4613-12-*	12in (0.3m)
4613-24-*	24in (0.6m)
4613-36-*	36in (0.9m)
4613-48-*	48in (1.2m)

Hook attaches to components up to 0.040in (1.02mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 150V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 3A, +216°F (+102°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### MicroGrabber® Test Clip Patch Cord Kit

**Model# 5525**  
 Kit contains 10 pcs. of Model 4613-24, one each of ten colors.

### Ultra-Thin MicroGrabber® Test Clip Patch Cord

← 2.13 (54.10mm) →



Model#	Length
6091-10-*	10in (0.25m)
6091-20-*	20in (0.51m)
6091-30-*	30in (0.76m)

Designed especially for today's fine pitched SMD's. Clips have a narrow body 0.120in (3.05mm) wide, and a small flexible shaft 0.050in (12.70mm) dia. x 0.910in (23.11mm) long.  
**Pincer Opening:** 0.024in (0.61mm).  
**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.  
**Rating:** *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/60 Vdc, 1A, <15mΩ, +176°F (+80°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### One End Only

Model#	Length
6090-40-*	40in (1.02m)

Same as 6091 with one end only.  
**Rating:** *Hands free testing* in controlled voltage environment: 45 Vac; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 2A, <15mΩ, +176°F (+80°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Minigrabber® Test Clip to Minigator Test Clip

← 2.54in (64.51mm) →



← 1.79in (45.47mm) →

Model#	Length
4652-12-*	12in (0.3m)
4652-24-*	24in (0.6m)
4652-36-*	36in (0.9m)
4652-48-*	48in (1.2m)

Hook attaches to component leads up to 0.060in (1.52mm) O.D.  
**Jaw Opening:** 0.187in (4.75mm).  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 45V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Multi-Stacking Banana Plug to Alligator Test Clip

← 2.30in (58.42mm) →



← 1.55in (39.37mm) →

Model#	Length
1166-8-*	8in (0.2m)
1166-12-*	12in (0.3m)
1166-24-*	24in (0.6m)
1166-36-*	36in (0.9m)
1166-48-*	48in (1.2m)
1166-60-*	60in (1.5m)

**Jaw Opening:** 0.300in (7.62mm).  
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 150V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

### Banana Plug to Alligator Clip Patch Cord Kit

Model#	Length
6357-12	12in (0.3m)
6357-24	24in (0.6m)
6357-36	36in (0.9m)
6357-48	48in (1.2m)
6357-60	60in (1.5m)

Kit contains 10 pcs. of Model 1166 patch cords, one each of 10 colors

### Minigator Test Clip Patch Cord

← 1.79in (45.47mm) →



Model#	Length
MG-B-4-*	4in (0.1m)
MG-B-8-*	8in (0.2m)
MG-B-12-*	12in (0.3m)
MG-B-24-*	24in (0.6m)
MG-B-36-*	36in (0.9m)
MG-B-48-*	48in (1.2m)
MG-B-60-*	60in (1.5m)

**Jaw Opening:** 0.187in (4.75mm).  
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 45V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/45 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 45V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/45 Vdc, 5A, +122°F (+50°C) max.

**\*Std. Colors:** -0 blk, -2 red.

Model#	Length
1236-8-*	8in (0.2m)
1236-12-*	12in (0.3m)
1236-24-*	24in (0.6m)
1236-36-*	36in (0.9m)
1236-48-*	48in (1.2m)
1236-60-*	60in (1.5m)

## Patch Cords and Test Leads

### 1000V Alligator Patch Cord



Model#	Length
6576-4-*	4in (0.1m)
6576-8-*	8in (0.2m)
6576-12-*	12in (0.3m)
6576-18-*	18in (0.5m)
6576-24-*	24in (0.6m)
6576-36-*	36in (0.9m)
6576-48-*	48in (1.2m)
6576-60-*	60in (1.5m)

**Jaw Opening:** 0.300in (7.62mm).

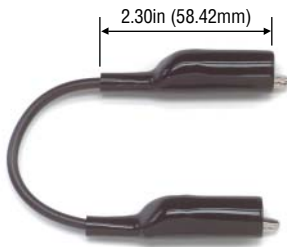
**Material:** *Body:* nickel plated steel; *Boot:* santoprene rubber.

**Cable:** 18 AWG Wire, silicone insulated.

**Rating:** *Hands free testing* in controlled voltage environment: 1000V, 10A, -13°F to 76°F (-25°C to 80°C).

**\*Std. Colors:** -0 blk, -2 red.

### Alligator Test Clip Patch Cord



Model#	Length
AL-B-4-*	4in (0.1m)
AL-B-8-*	8in (0.2m)
AL-B-12-*	12in (0.3m)
AL-B-18-*	18in (0.5m)
AL-B-24-*	24in (0.6m)
AL-B-36-*	36in (0.9m)
AL-B-48-*	48in (1.2m)
AL-B-60-*	60in (1.5m)

**Jaw Opening:** 0.300in (7.62mm).

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 150V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

**\*Std. Colors:** Available in 10 colors.

### Alligator Test Clip Patch Cord Kit

Model#	Length
6356-12	12in (0.3m)
6356-24	24in (0.6m)
6356-36	36in (0.9m)
6356-48	48in (1.2m)
6356-60	60in (1.5m)

Kit contains 10pcs. of Model AL-B patch cords, one each of 10 colors.

### Multi-Stacking Banana Plug to Minigator Test Clip



Model#	Length
3220-8-*	8in (0.2m)
3220-12-*	12in (0.3m)
3220-24-*	24in (0.6m)
3220-36-*	36in (0.9m)
3220-48-*	48in (1.2m)
3220-60-*	60in (1.52m)

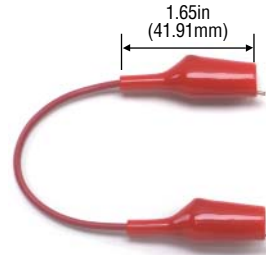
**Jaw Opening:** 0.187in (4.75mm).

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 45V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/45 Vdc, 5A, +122°F (+50°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Microgator Test Clip Patch Cord



Model#	Length
1613-4-*	4in (0.1m)
1613-8-*	8in (0.2m)
1613-12-*	12in (0.3m)
1613-24-*	24in (0.6m)
1613-36-*	36in (0.9m)
1613-48-*	48in (1.2m)

Alligator clip features a smooth jaw, and has a narrow 0.063in (1.60mm) width nose.

**Jaw Opening:** 0.220in (5.59mm).

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 45V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/45 Vdc, 5A, +122°F (+50°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Alligator Test Clip to Sheathed Banana Plug Cord



Model#	Length
6489A-48*	48in (1.2m)
6489A-48-02	48in (1.2m)

**Alligator length:** 2.5in (63.5mm).

**Jaw Opening:** 0.30in (7.62mm).

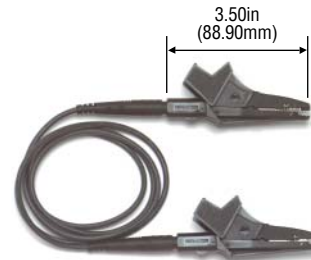
**Material:** *Body:* nickel plated steel; *Boot:* Santoprene rubber.

**Cable:** High flex 18 AWG Silicone wire

**Rating:** IEC1010 1000V, CAT III, 10A, -13°F to 176°F (-25 to 80°C) **Check temps.**

**\*Std. Colors:** -0 blk, -2 red, -02 1 each blk, red.

### Extra Large Alligator Test Clip Patch Cord



Model#	Length
6569-36-*	36in (0.9m)
6569-60-*	48in (1.2m)

**Alligator length:** 3.6in (91.44mm).

**Jaw Opening:** 0.8in (20.32mm).

**Rating:** *Hands free testing* in controlled voltage environment: 1000V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/45 Vdc, 10A.

**Cable:** High flex 18 AWG Silicone wire

**\*Std. Colors:** -0 blk, -2 red.

### Retractable Sheath Banana Plug Patch Cord



Model#	Length
4911A-12-*	12in (0.3m)
4911A-18-*	18in (0.5m)
4911A-24-*	24in (0.6m)
4911A-36-*	36in (0.9m)
4911A-48-*	48in (1.2m)
4911A-60-*	60in (1.5m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** 1000V per IEC1010-2-031, 10A, +176°F (+80°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Minigrabber® Test Clip to Retractable Sheath Banana Plug Patch Cord

Model#	Length
6250A-12-*	12in (0.3m)
6250A-24-*	24in (0.6m)
6250A-36-*	36in (0.9m)



Features a slim 0.36in (9.14mm) body width. Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A per IEC1010-2-031.

### SMD Grabber® Test Clip to Retractable Sheath Banana Plug Patch Cord

Model#	Length
5362-36-*	36in (0.9m)



**Pincer Opening:** 0.09in (2.29mm).

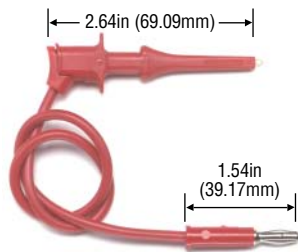
**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 150V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 0.5A, +131°F (+55°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Minigrabber® Test Clip to Straight Banana Plug Patch Cord

Model#	Length
6251-12-*	12in (0.3m)
6251-24-*	24in (0.6m)
6251-36-*	36in (0.9m)



Features a slim 0.36in (9.14mm) body width. Hook attaches to component leads up to 0.060in (1.52mm) O.D.

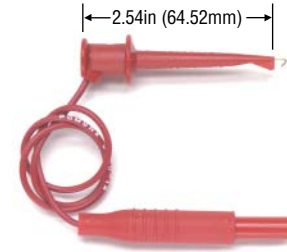
**Cable:** 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A.

**\*Std. Colors:** -0 blk, -2 red.

### Minigrabber® Test Clip to Retractable Sheath Banana Plug Patch Cord

Model#	Length
5270-12-*	12in (0.3m)
5270-24-*	24in (0.6m)
5270-36-*	36in (0.9m)
5270-48-*	48in (1.2m)
5270-60-*	60in (1.5m)



Hook attaches to component leads up to 0.060in (1.52mm) O.D.

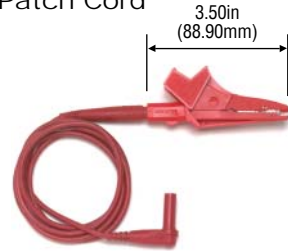
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Extra Large Alligator Test Clip to Sheathed Banana Plug Patch Cord

Model#	Length
6570-36-*	36in (0.9m)
6570-60-*	48in (1.2m)



**Alligator length:** 3.6in (91.44mm),

**Jaw Opening:** 0.8in (20.32mm).

**Rating:** Conforms to IEC1010-2-031, Overvoltage.

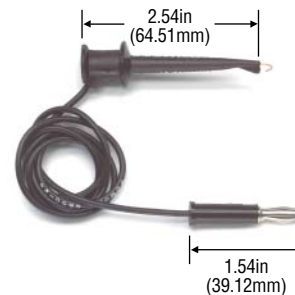
Category III, 1000V, 10A.

**Cable:** High flex 18 AWG Silicone wire.

**\*Std. Colors:** -0 blk, -2 red.

### Minigrabber® Test Clip to Straight Banana Plug Patch Cord

Model#	Length
4650-12-*	12in (0.3m)
4650-24-*	24in (0.6m)
4650-36-*	36in (0.9m)
4650-48-*	48in (1.17m)
4650-60-*	60in (1.52m)



Hook attaches to component leads up to 0.060in (1.52mm) O.D.

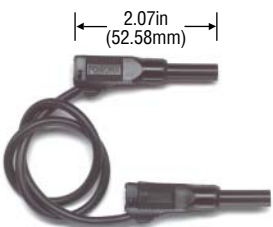
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Retractable Sheath Stacking Banana Plug Patch Cord

Model#	Length
5403-12-*	12in (0.3m)
5403-24-*	24in (0.6m)
5403-36-*	36in (0.9m)
5403-48-*	48in (1.2m)
5403-60-*	60in (1.5m)



This retractable sheath banana plug has a stacking feature allowing the insertion of standard or other retractable plugs.

**Cable:** 18 AWG wire, 0.144in (3.56mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 1200 V ac/dc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 7A, +131°F (+55°C) max.

### 0.025in (0.64mm) Square Pin Jack to Straight Banana Plug

Model#	Length
4771-12-*	12in (0.3m)
4771-24-*	24in (0.6m)
4771-36-*	36in (0.9m)
4771-48-*	48in (1.2m)

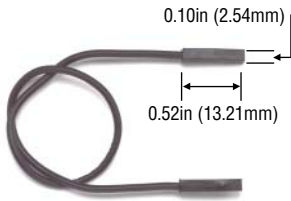


**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** *Hands free testing* in controlled voltage environment: 45 Vac/60 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/60 Vdc, 3A, +122°F (+50°C) max.

## Patch Cords and Test Leads

### 0.025in (0.64mm) Square Pin Jack Patch Cord



Model#	Length
4741-6	6in (0.15m)
4741-12	12in (0.3m)
4741-24	24in (0.6m)
4741-36	36in (0.9m)

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.  
**Rating:** Hands free testing in controlled voltage environment: 45 Vac/60 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/60 Vdc, 3A, +122°F (+50°C) max.

### 0.025in (0.64mm) Square Pin Jack Patch Cord Kit

Model# 5948

Kit contains 10 pcs. of Model 4741-6, one ea. of 10 colors.

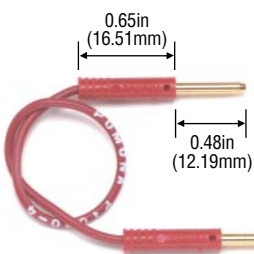
### 0.025in (0.64mm) Square Pin Jack to 0.080in (2.03mm) Pin Tip Plug



Model#	Length
4772-12-*	12in (0.3m)
4772-24-*	24in (0.6m)
4772-36-*	36in (0.9m)

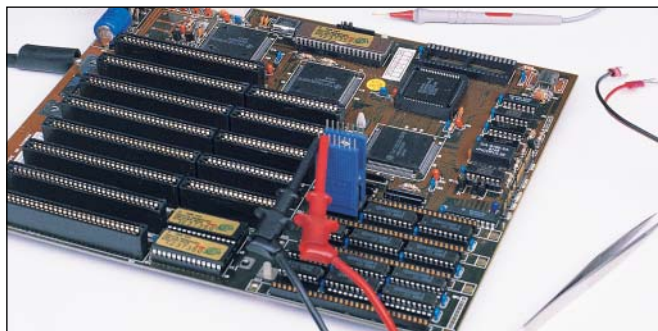
**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.  
**Rating:** Hands free testing in controlled voltage environment: 45 Vac/60 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/60 Vdc, 3A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### 0.080in (2.0mm) Dia. Pin Tip Plug Patch Cord

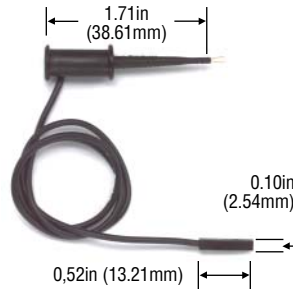


Model#	Length
PT080-4-*	4in (0.1m)
PT080-8-*	8in (0.2m)
PT080-12-*	12in (0.3m)
PT080-18-*	18in (0.5m)
PT080-24-*	24in (0.6m)
PT080-36-*	36in (0.9m)
PT080-48-*	48in (1.17m)
PT080-60-*	60in (1.52m)

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.  
**Rating:** Hands free testing in controlled voltage environment: 1000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 3A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.



### 0.025in (0.64mm) Square Pin Jack to Pin to SMD Grabber®



Model#	Length
5412-12-*	12in (0.3m)
5412-24-*	24in (0.6m)
5412-36-*	36in (0.9m)

**Pincer Opening:** 0.04in (1.02mm).

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 150V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 0.5A, +122°F (+50°C).

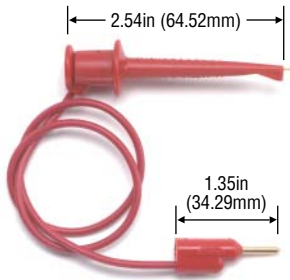
**\*Std. Colors:** -0 blk, -2 red.

### 0.025in (0.64mm) Square Pin Jack Pin to SMD Grabber® Kit

Model# 5924

Kit contains 10 pcs. of Model 5412-12, one ea. of 10 colors.

### Stacking Pin Tip Plug to Minigrabber® Test Clip



Model#	Length
3785-12-*	12in (0.3m)
3785-24-*	24in (0.6m)
3785-36-*	36in (0.9m)

Hook attaches to component leads up to 0.060in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 300V; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Stacking Pin Tip Plug Patch Cord



Model#	Length
P-4-*	4in (0.1m)
P-8-*	8in (0.2m)
P-12-*	12in (0.3m)
P-18-*	18in (0.5m)
P-24-*	24in (0.6m)
P-36-*	36in (0.9m)
P-48-*	48in (1.2m)
P-60-*	60in (1.5m)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 3000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.

**\*Std. Colors:** -0 blk, -2 red.

### Miniature Banana Plug Patch Cord



Model#	Length
2842-8-*	8in (0.2m)
2842-12-*	12in (0.3m)
2842-24-*	24in (0.6m)
2842-36-*	36in (0.9m)
2842-48-*	48in (1.2m)

**Cable:** 20 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** Hands free testing in controlled voltage environment: 3000 Vdc; For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.

**\*Std. Colors:** -0 blk, -2 red.

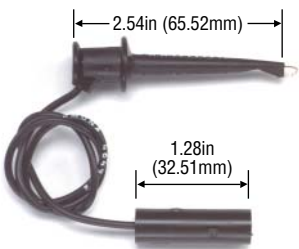
### Banana Plug to Banana Jack



Model#	Length
4702-12-*	12in (0.3m)
4702-18-*	18in (0.5m)
4702-24-*	24in (0.6m)
4702-36-*	36in (0.9m)
4702-48-*	48in (1.2m)
4702-60-*	60in (1.52m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

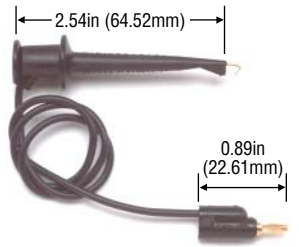
### Minigrabber® Test Clip to Banana Jack



Model#	Length
4649-12-*	12in (0.3m)
4649-24-*	24in (0.6m)
4649-36-*	36in (0.9m)
4649-48-*	48in (1.2m)

Hook attaches to component leads up to 0.06in (1.62mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.31mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

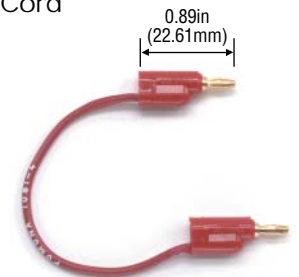
### Minigrabber® Test Clip to Miniature Stacking Banana Plug



Model#	Length
3784-12-*	12in (0.3m)
3784-24-*	24in (0.6m)
3784-36-*	36in (0.9m)
3784-48-*	48in (1.2m)
3784-60-*	60in (1.5m)

Hook attaches to component leads up to 0.06in (1.52mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 300V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

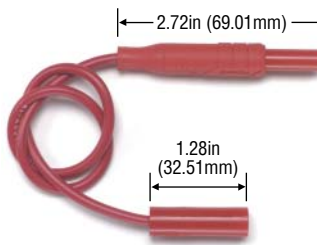
### Miniature Stacking Banana Plug Patch Cord



Model#	Length
1081-4-*	4in (0.1m)
1081-8-*	8in (0.2m)
1081-12-*	12in (0.3m)
1081-18-*	18in (0.5m)
1081-24-*	24in (0.6m)
1081-36-*	36in (0.9m)
1081-48-*	48in (1.2m)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 3000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

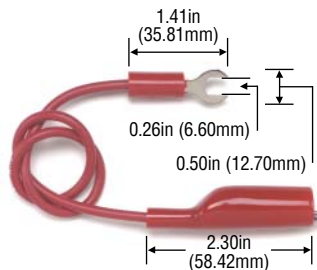
### Retractable Sheath Banana Plug to Banana Jack



Model#	Length
5259-12-*	12in (0.3m)
5259-24-*	24in (0.6m)
5259-36-*	36in (0.9m)
5259-48-*	48in (1.2m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 1000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 7A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Alligator Test Clip to Insulated Spade Lug



Model#	Length
1960-12-*	12in (0.3m)
1960-24-*	24in (0.6m)
1960-36-*	36in (0.9m)
1960-48-*	48in (1.2m)
1960-60-*	60in (1.5m)

**Jaw Opening:** 0.30in (7.62mm).  
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 150V; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

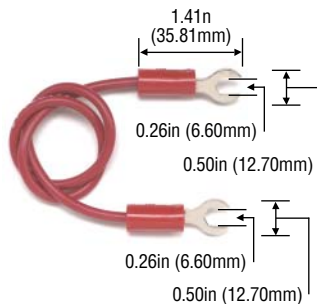
### Multi-Stacking Banana Plug to Insulated Spade Lug



Model#	Length
1370-12-*	12in (0.3m)
1370-24-*	24in (0.6m)
1370-36-*	36in (0.9m)
1370-48-*	48in (1.2m)
1370-60-*	60in (1.5m)

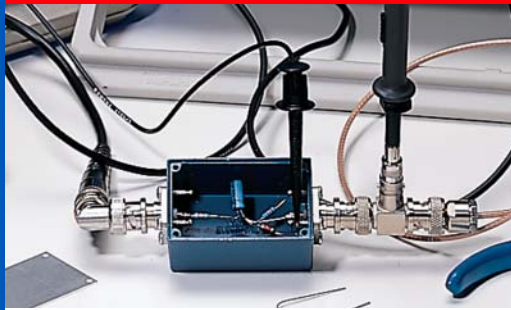
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 15A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.

### Insulated Spade Lug Patch Cord



Model#	Length
1743-12-*	12in (0.3m)
1743-24-*	24in (0.6m)
1743-36-*	36in (0.9m)
1743-48-*	48in (1.2m)
1743-60-*	60in (1.5m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** *Hands free testing* in controlled voltage environment: 5000 Vdc; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc, 7A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 blk, -2 red.



POMONA – the place to make your connections. From setting up system electronics to circuitry prototyping to creating permanent junctions, POMONA provides you with the boxes and enclosures to securely seal signal sensitive cables and wires. The large variety of die-cast aluminum connectorized enclosures and phenolic or molded thermoplastic boxes are ready to house components in styles and sizes that will simplify your interconnections.

### Miniature Size Die Cast Aluminum Box with Cover



3753/3754



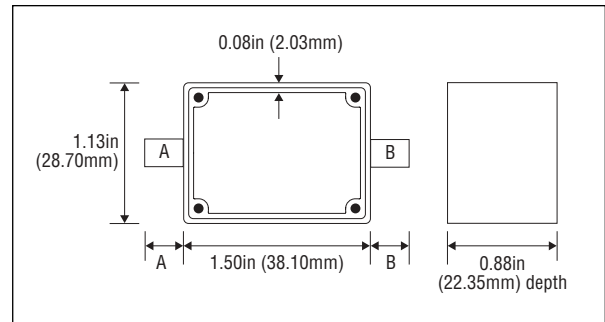
3752



3751

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
3754	None	-	-	-	-
3753	BBE	-	-	-	-
3751	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
3752	BBE	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)
4742	Replacement cover				
3729	Flange mounting cover				
4864	Cover screws, 100/pkg				
2352	Connector screws with solder turret				

BBE = Blue Bake Enamel      Cover and screws included with all boxes.



### "A" Size Die Cast Aluminum Box with Cover



2397/2400



2390



2391



2392



2401



2393



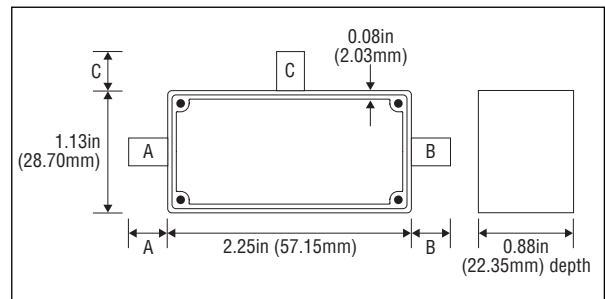
2399



2398

Model#	Finish	Connector: A		Connector: B		Connector: C	
		Type	Length	Type	Length	Type	Length
2400	None	-	-	-	-	-	-
2397	BBE	-	-	-	-	-	-
2390	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	-	-
2391	BBE	BNC (M)	0.85in (21.59mm)	BNC (F)	0.72in (18.29mm)	-	-
2392	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
2401	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)
2393	BBE	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)	PDB	0.82in (20.83mm)
2398	BBE	SMA (F)	0.38in (9.69mm)	SMA (M)	0.38in (9.69mm)	-	-
2399	BBE	SMA (F)	0.38in (9.69mm)	SMA (F)	0.38in (9.69mm)	-	-
4245	Replacement cover						
3728	Flange mounting cover						
4864	Cover screws, 100/pkg						
2352	Connector screws with solder turret						

BBE = Blue Bake Enamel      PDB = Post, Double Binding      Cover and screws included with all boxes.



### "B" Size Die Cast Aluminum Box with Cover



2417/2428



3230



3231



3239



2411



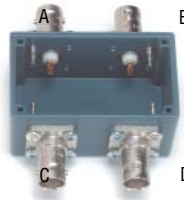
3232



2420



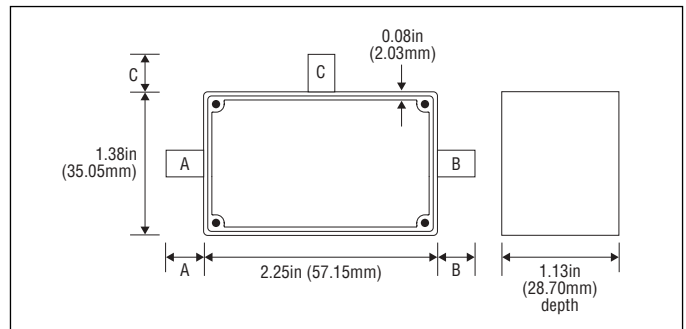
2410



3234

Model#	Finish	Connector: A		Connector: B		Connector: C		Connector: D	
		Type	Length	Type	Length	Type	Length	Type	Length
2428	None	-	-	-	-	-	-	-	-
2417	BBE	-	-	-	-	-	-	-	-
3230	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	-	-	-	-
3231	BBE	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)	-	-	-	-
2411	BBE	N (M)	0.81in (20.57mm)	N (F)	0.75in (19.05mm)	-	-	-	-
3239	BBE	IBNC	0.47in (11.94mm)	IBNC	0.47in (11.94mm)	-	-	-	-
2410	BBE	N (F)	0.75in (19.05mm)	N (F)	0.75in (19.05mm)	-	-	-	-
2420	BBE	BNC (F)	0.72in (18.29mm)	N (F)	0.75in (19.05mm)	-	-	-	-
3232	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	-	-
3234	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
4246	Replacement cover								
3719	Flange mounting cover								
4864	Cover screws, 100/pkg								
2352	Connector screws with solder turret								

BBE = Blue Bake Enamel IBNC = Isolated BNC Cover and screws included with all boxes.



### "C" Size Die Cast Aluminum Box with Cover



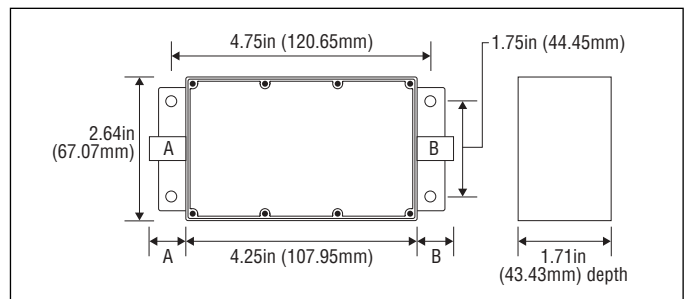
2901/2906



2902

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2906	None	-	-	-	-
2901	BBE	-	-	-	-
2902	BBE	BNC (F)	0.72 (18.29mm)	BNC (F)	0.72 (18.29mm)
4248	Replacement cover				
6268	Cover screws, 100/pkg				
2352	Connector screws with solder turret				

BBE = Blue Bake Enamel Cover and screws included with all boxes.



## Boxes and Enclosures

### "D" Size Die Cast Aluminum Box with Cover



3602

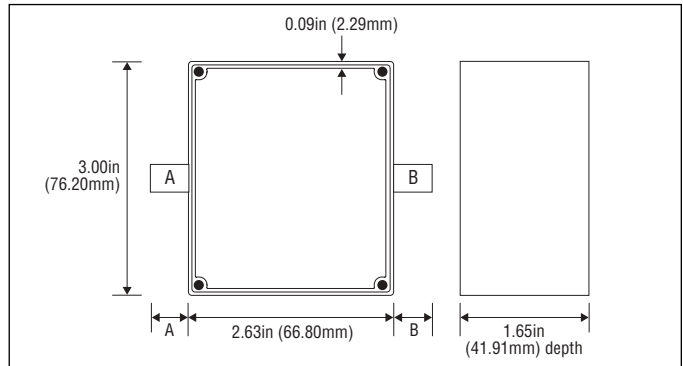
3603



3601/3606

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
3606	None	-	-	-	-
3601	BBE	-	-	-	-
3602	BBE	BNC (F)	0.72 (18.29mm)	BNC (F)	0.72 (18.29mm)
3603	BBE	BNC (F)	0.72 (18.29mm)	BNC (M)	0.85 (21.59mm)
4726	Replacement cover				
3958	Flange mounting cover				
6268	Cover screws, 100/pkg				
2352	Connector screws with solder turret				

BBE = Blue Bake Enamel Cover and screws included with all boxes.



54

### "E" Size Die Cast Aluminum Box with Cover

Model#	Finish
5186	None
4226	Blue Bake Enamel
4726	Replacement cover
6268	Cover screws, 100/pkg

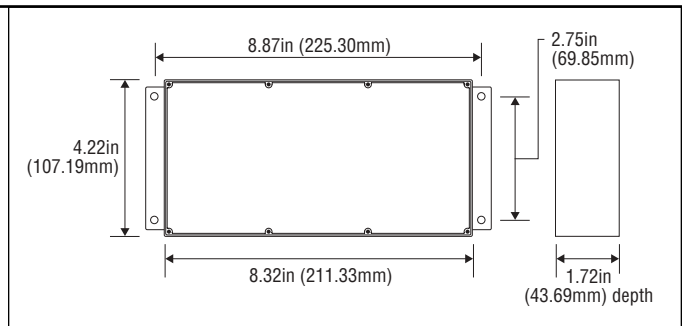
Cover and screws included.

#### Recommended Circuit Board Sizes:

8.00in x 1.49in x .062in,  
(203.2mm x 37.85 x 1.57mm) Thick.

3.90in x 1.49in x .062in,  
(99.06mm x 37.85 x 1.57mm) Thick.

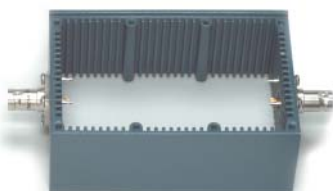
7.60in x 3.40in x .062in,



### "F" Size Extruded Aluminum Box with Covers



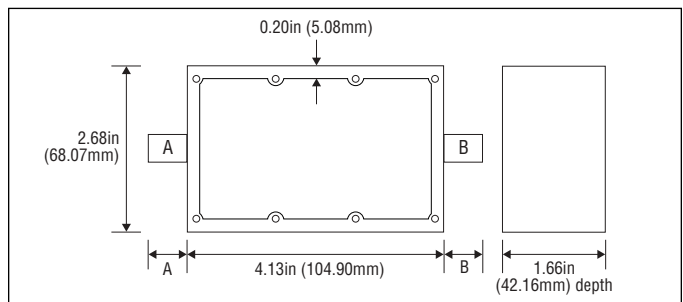
3301/3306



3302

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
3306	None	-	-	-	-
3301	BBE	-	-	-	-
3302	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
4247	Replacement cover				
3328	Flange mounting cover				
4862	Cover screws, 100/pkg				
2352	Connector screws with solder turret				

BBE = Blue Bake Enamel Cover and screws included with all boxes.

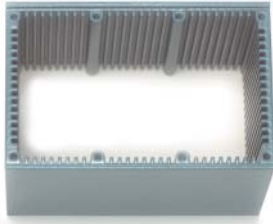


#### Recommended Circuit Board Sizes:

3.90in x 1.48in x 0.062in,  
(99.06mm x 37.59 x 1.57mm) Thick.

2.40in x 1.48in x 0.062in,  
(60.96mm x 37.59mm x 1.57mm)

### "G" Size Extruded Aluminum Box with Cover

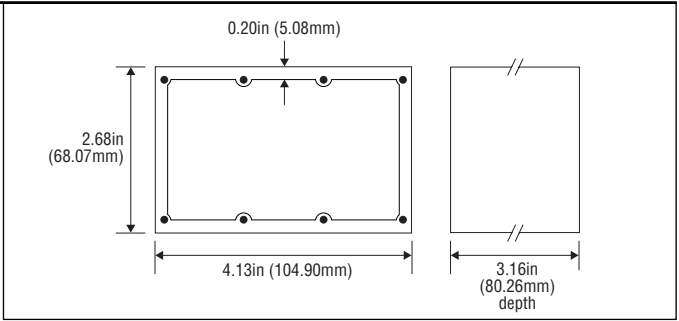


Model#	Finish
3316	None
3311	Blue Bake Enamel
4247	Replacement cover
3328	Flange mounting cover
4862	Cover screws, 100/pkg

Cover and screws included.

**Recommended Circuit Board Sizes:**

3.90in x 2.98in x .062in,  
(99.06mm x 75.69mm x 1.57mm) Thick.  
2.40in x 2.98in x .062in,  
(60.96mm x 75.69mm x 1.57mm) Thick.



### "H" Size Extruded Aluminum Box with Cover

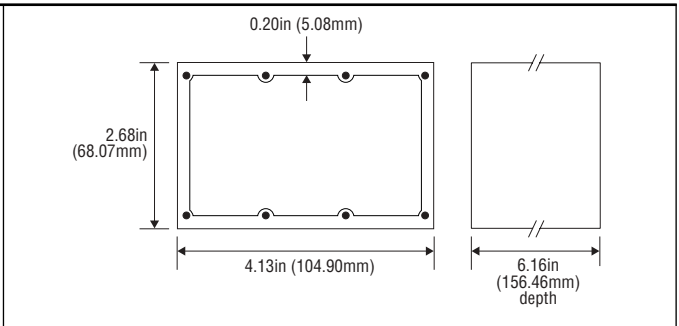


Model#	Finish
3743	None
3742	Blue Bake Enamel
4247	Replacement cover
3328	Flange mounting cover
4862	Cover screws, 100/pkg

Cover and screws included.

**Recommended Circuit Board Sizes:**

3.90in x 5.98in x .062in,  
(99.06mm x 75.69mm x 1.57mm) Thick.  
2.40in x 5.98in x 0.062in,  
(60.96mm x 75.69mm x 1.57mm) Thick.



### "J" Size Die Cast Aluminum Box with Cover



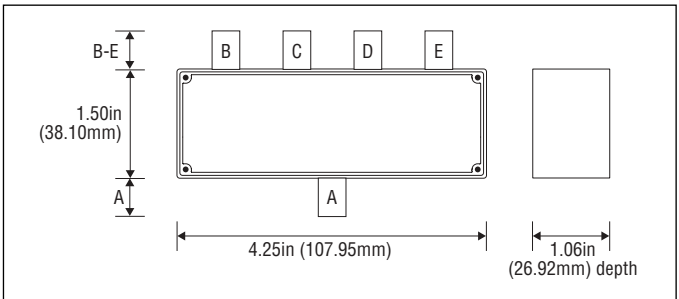
4655/5255



4656

Model#	Finish	Connector: A		Connector: B to E	
		Type	Length	Type	Length
5255	None	-	-	-	-
4655	BBE	-	-	-	-
4646	BBE	BNC (F)	0.72 (18.29mm)	BNC (F)	0.72 (18.29mm)
4657	Replacement cover				
4864	Cover screws, 100/pkg				

BBE = Blue Bake Enamel Cover and screws included with all boxes.



**Recommended Circuit Board Sizes:**

4.13in x 0.87in x 0.062in,  
(104.9mm x 22.10mm x 1.57mm) Thick      1.38in x 0.87in x .062in  
(35.05mm x 22.10mm x 1.57mm) Thick

## Boxes and Enclosures

### "L" Size Die Cast Aluminum Box with Cover

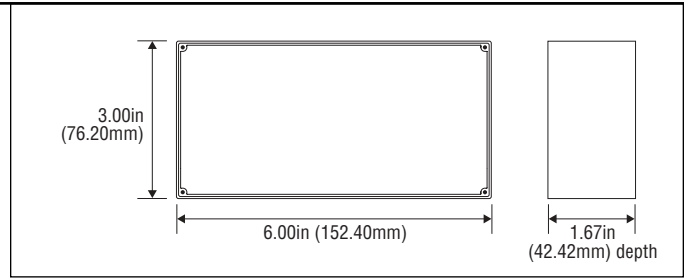


Model#	Finish
5203	None
4903	Blue Bake Enamel
5198	Replacement cover
4864	Cover screws, 100/pkg

Cover and screws included.

#### Recommended Circuit Board Sizes:

5.88in x 1.48in x .062in,  
(149.35mm x 37.59mm x 1.57mm) Thick  
2.88in x 1.48in x .062in,  
(73.15mm x 37.59mm x 1.57mm) Thick



### Black Phenolic Box with Cover



2105



2259



2098



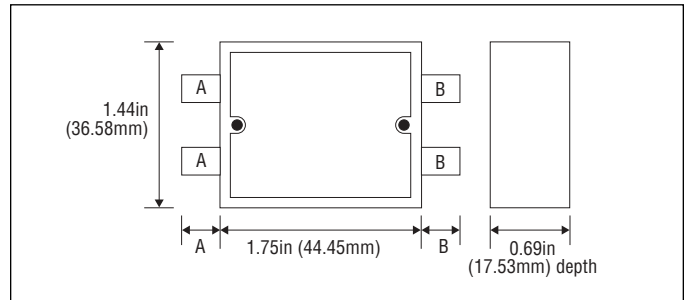
2096

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2105	EGP	-	-	-	-
2259	EGP	PDB	0.80in (20.32mm)	DBP	0.70in (17.78mm)
2098	EGP	DBJ	-	DBP	0.70in (17.78mm)
2096	EGP	-	-	DBP	0.70in (17.78mm)
6269	Cover screws, 100/pkg				

EGP = Electrical Grade Phenolic  
PDB = Post, Double Binding

DBJ = Double Banana Jack  
DBP = Double Banana Plug

Cover and screws included  
with all boxes.



### Black Phenolic Box with Cover



2103



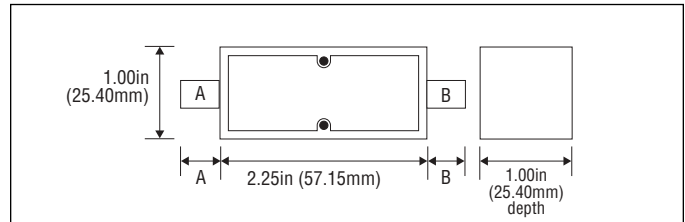
2099

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2103	EGP	-	-	-	-
2099	EGP	BNC (M)	0.85 (21.59mm)	BNC (F)	0.72 (18.29mm)
6269	Cover screws, 100/pkg				

EGP = Electrical Grade Phenolic  
DBJ = Double Banana Jack

DBP = Double Banana Plug

Cover and screws included  
with all boxes.



### Black Phenolic Box with Cover



2224



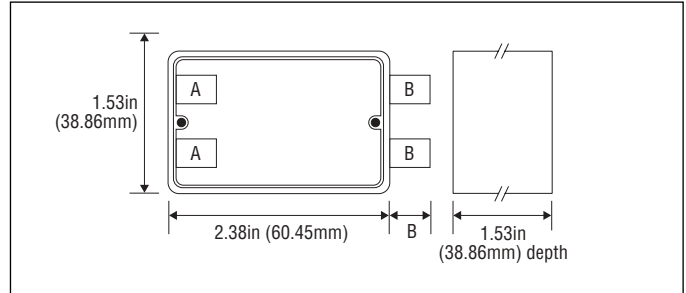
2104

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2104	EGP	-	-	-	-
2224	EGP	DBJ	-	DBP	0.70 (17.78mm)
6269	Cover screws, 100/pkg				

EGP = Electrical Grade Phenolic  
DBJ = Double Banana Jack

DBP = Double Banana Plug

Cover and screws included with all boxes.



### Molded Thermoplastic Box with Card Guides and Cover

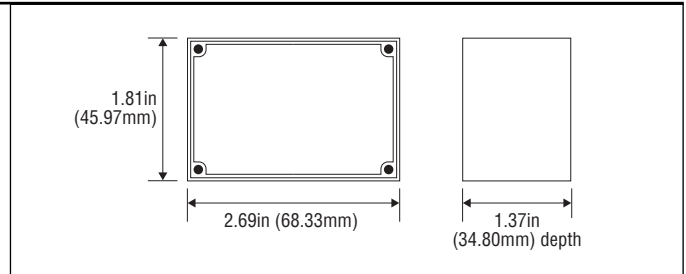


Model#	Finish
4902	Black - Anti Static Plastic
3850-0	Black - Thermoplastic
3850-6	Blue - Thermoplastic
3850-9	White - Thermoplastic
4864	Cover screws, 100/pkg

Cover and screws included.

**Recommended Circuit Board Sizes:**

2.51in x 1.60in x .062in,  
(63.35mm x 40.64mm x 1.57mm) Thick



### Molded Thermoplastic Box with Card Guides and Cover

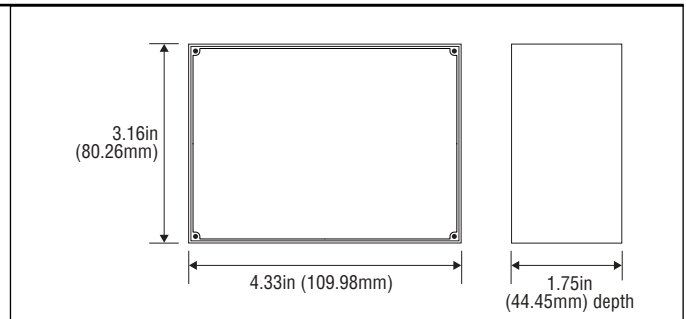


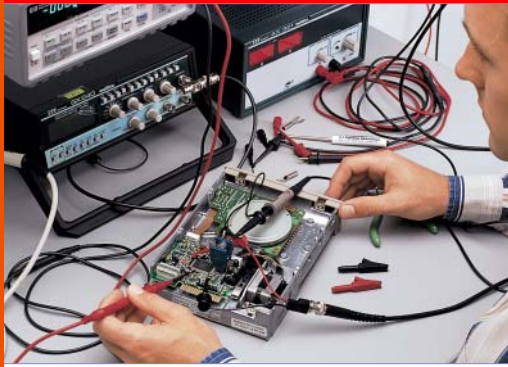
Model#	Finish
4384-0	Black - Thermoplastic
4384-6	Blue - Thermoplastic
4864	Cover screws, 100/pkg

Cover and screws included.

**Recommended Circuit Board Sizes:**

3.93in x 1.58in x 0.062in  
(99.82mm x 40.13mm x 1.57mm) Thick  
3.90in x 2.98in x 0.062in,  
(99.06mm x 75.69mm x 1.57mm) Thick





Connecting with the industry's leading digital multimeter brands, POMONA provides the world's largest selection of test leads and probes.

Superior materials and outstanding design, assure conformity with industry-leading reliability and performance standards.

From high-density IC leads to voltage on a distribution panel, POMONA connects you with the right solution.

### Deluxe Multi-Use DMM Maxi-Kit

Model# 5677B



1. Silicone insulated 4ft (1.2m) leads with right angle plug.
2. Modular probe set with replaceable tips.
3. 5 sets of replacement tips.
4. Retractable tip test probe set.
5. Test lead coupler set.
6. Medium alligator clip set.
7. Large alligator clip set.
8. Spade lugs.
9. IC probe tip adapter.
10. Minigrabber® test clip leads.
11. Minipincer® test clip leads.
12. Nylon storage pouch.

- Modular probes with interchangeable tips.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs for most meters from Fluke, HP, Wavetek (Meterman), Amprobe, and others.
- New retractable tip probe with 3in (76.2mm) long tip and silicone leads.
- Minigrabber® and Minipincer® test clip leads attach to test leads.
- Test lead coupler connects leads to probe set for 16ft (4.8m) reach.
- Nylon storage pouch with compartments for accessories.

### Electronic DMM Maxi-Kit

Model# 6340



1. Silicone insulated 4ft (1.2m) leads.
2. Modular probe set.
3. Precision electronic probes.
4. 4 sets of replacements tips.
5. Test lead couplers.
6. Medium alligator clips.
7. Large alligator clips.
8. Minigrabber® test clip leads.
9. Minipincer® test clip leads.
10. Spade lugs.
11. Nylon storage pouch.

- Modular probes with caged-spring tips fit 4mm sockets.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Wavetek (Meterman), Amprobe, Greenlee and others.
- Precision Electronic probe with replacement tips offers flexibility in testing.
- Minigrabber® and Minipincer® test clip leads for smaller test points.
- Nylon storage pouch with compartments for accessories.

### Deluxe Electronic DMM Test Lead Kit

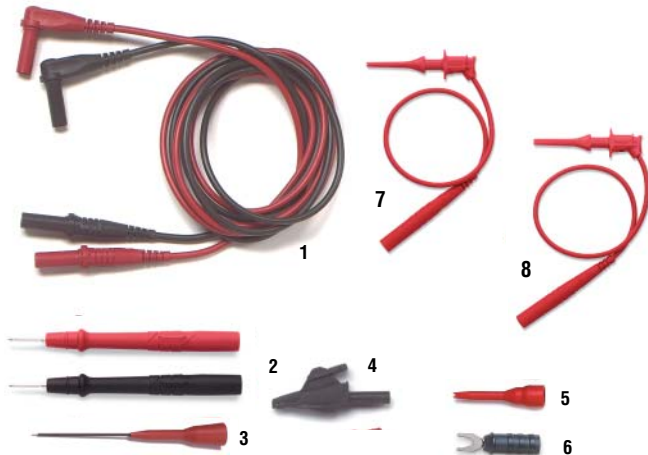
Model# 5674B



1. Silicone insulated 4 ft (1.2m) leads with right angle plug.
  2. Modular probe set with standard tips.
  3. Extended probe tip adapters.
  4. Medium alligator clips.
  5. IC probe tip adapters.
  6. Minigrabber® test clip leads.
  7. Minipincer® test clip leads.
  8. Maxigrabber® test clips with pincer tip.
  9. Nylon storage pouch (not shown).
- Modular probes with standard probe tips.
  - Insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Wavetek (Meterman), and others.
  - Probe tip extender with 3in (76.2mm) long tip.
  - Minigrabber® test clip leads attach to test leads.
  - Minipincer® test clip leads for fine pitch chip leads.
  - Maxigrabber® test clips attach to test leads.
  - Nylon storage pouch with compartments for accessories.

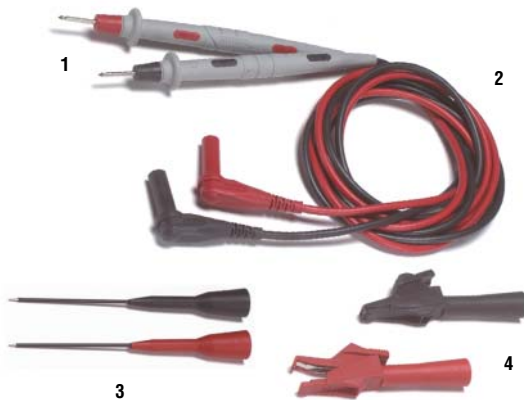
### Electronic DMM Test Lead Kit

Model# 5543B



1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electronic test probes with standard tips.
  3. Extended fine-tip probe adapter -red.
  4. Medium alligator clip -black.
  5. IC probe tip adapter -red.
  6. Insulated spade lug -black.
  7. Minipincer® test clip lead -red.
  8. Minigrabber® test clip lead -red.
  9. Nylon storage pouch (not shown).
- Silicone insulated 4ft (1.2m) test leads fit meters from Fluke, HP, Wavetek (Meterman), and others.
  - Modular electronic test probes attach to leads.
  - Extended fine-point adapter attaches to probe tips.
  - IC adapter attaches to probe for secure probing on chip leads.
  - Minipincer® test clip lead for fine pitch chip leads.
  - Minigrabber® test clip lead extend the reach of the test leads.

### Basic Electronic DMM Test Lead Kits

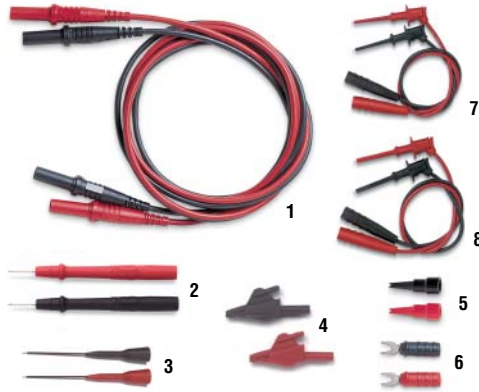


Model#	Plug Type	Ratings
6343	Right-angle DMM plugs	UL IEC1010, CAT III 1000V
5672A	Right-angle banana plug	33 Vac/70 Vdc
6344	Straight DMM plugs	UL IEC1010, CAT III 1000V
5325A	Stacking banana plugs	33 Vac/70 Vdc
6456	Retractable sheath banana plug	UL IEC1010, CAT III 1000V

1. Comfort-grip DMM test probes.
  2. Silicone insulated 4ft (1.2m) leads.
  3. Extended probe tip adapters.
  4. Alligator clip probe adapters.
  5. Plastic storage case (not shown).
- Note:** Model 5672A has HEAVY-DUTY stainless-steel tips.  
See page 63 for banana plug types.
- Featuring Pomona's new comfort-grip probes.
  - Monolithic probes with fixed tips.
  - DMM plugs fit most meters from Fluke, Wavetek (Meterman), HP, Amprobe, Greenlee, and others.
  - Extended tip adapter has sharp needle point.
  - Alligator clip adapter snaps onto the probe tip.

## DMM Accessories and Kits

### Deluxe Electronic Bench DMM Test Lead Kit



Model#	Features	Ratings
6204A	Straight DMM plugs	CAT III, 600V per IEC 1010-2-031

1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
  2. Modular electronic test probes with standard tips.
  3. Extended fine-tip probe adapters.
  4. Medium alligator clips.
  5. IC lead probe tip adapters.
  6. Insulated spade lugs.
  7. Minipincer® test clip leads.
  8. Minigrabber® test clip leads.
  9. Nylon storage pouch (not shown).
- Silicone insulated 4ft (1.2m) leads fit meters from Fluke, HP (Agilent), Keithley and others.
  - Modular electronic test probes attach to leads.
  - Extended fine-point adapters attach to probe tips.
  - IC adapters attach to probes for secure probing on chip leads.
  - Minipincer® test clip leads for fine pitch chip leads.
  - Minigrabber® test clip leads extend the reach of the test leads.

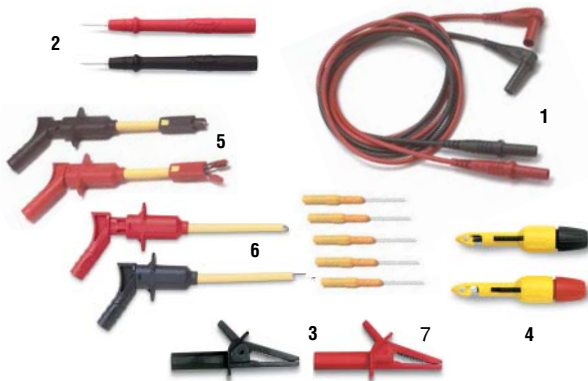
### Electronic Bench DMM Test Lead Kit



Model#	Features	Ratings
5901B		

1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
  2. Modular electronic test probes with replaceable tips.
  3. 5 sets of replacement probe tips
  4. Medium alligator clips.
  5. Insulated spade lugs.
  6. Minigrabber® test clip leads.
  7. Nylon storage pouch (not shown).
- DMM plugs fit meters from Fluke, HP (Agilent), Keithley and others.
  - Modular electronic test probes with replaceable tips adapt to many different modes.
  - Replacement probe tips offer a wide variety of probing solutions.
  - Alligator clips attach to test lead for reliable connections.
  - Spade lugs attach to test leads for binding posts or terminal screws.
  - Minigrabber® test clip leads extend the reach of the test leads.
  - Uses 080 probe tips, see page 14 for replacement tips.
  - Rated CAT II 600V 10A.

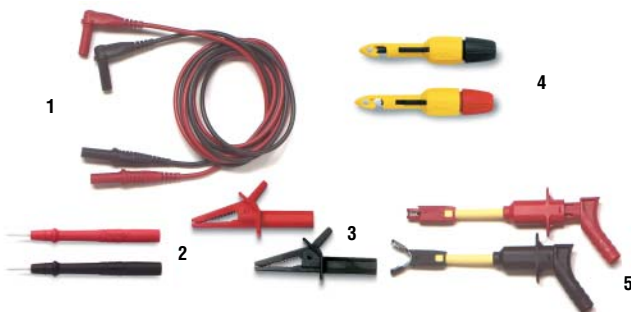
### Deluxe Automotive DMM Test Lead Kit



Model#	Features	Ratings
6530		

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Heavy-duty modular test probes with stainless-steel tips.
  3. Heavy-duty alligator clips.
  4. Insulation piercing clips.
  5. Maxigrabber® test clips with alligator jaws.
  6. Maxigrabber® test clips with hook.
  7. Backprobe pins.
  8. Nylon storage pouch (not shown).
- Alligator clips attach to test lead for reliable connections.
  - Sharp stainless-steel probe tips resist wear.
  - Insulation piercing clips make connections without stripping insulation from wires.
  - Backprobe pins access contacts through the back side of automotive connectors.
  - DMM plugs fit meters from Fluke, Wavetek (Meterman), Amprobe, Greenlee and others.
  - Maxigrabber® test clips with alligator jaws for quick and easy connections.

### Industrial/Automotive DMM Test Lead Kit



Model#	Features	Ratings
5903		

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Heavy-duty modular test probes.
  3. Heavy-duty alligator clips.
  4. Insulation piercing clips.
  5. Maxigrabber® test clips with alligator jaws.
  6. Nylon storage pouch (not shown).
- DMM plugs fit meters from Fluke, Wavetek (Meterman), Amprobe, Greenlee and others.
  - Sharp stainless-steel probe tips resist wear.
  - Alligator clips attach to test lead for reliable connections.
  - Insulation piercing clips make connections without stripping insulation from wires.
  - Maxigrabber® test clips with alligator jaws for quick and easy connections.

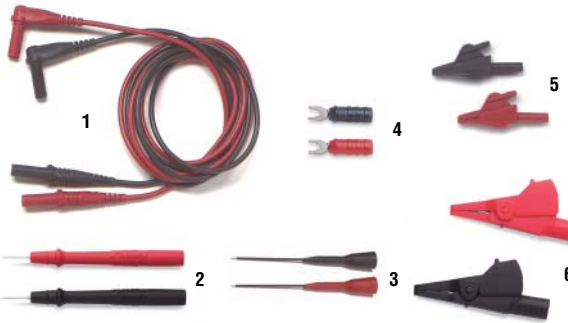
### Deluxe Electrical DMM Test Lead Kit



Model#	Plug Type	Ratings
5904	Right Angle DMM Plug	CAT III 1000V per IEC 1010-2-031

1. Silicone insulated 4ft (1.2m) test leads.
  2. Modular electrical test probes with standard tips.
  3. Maxigrabber® test clips with jaws.
  4. Maxigrabber® test clips with hooks.
  5. Maxigrabber® test clips with pincers.
  6. Large alligator clips.
  7. Nylon Storage pouch (not shown).
- DMM plugs fit meters from Fluke, Wavetek (Meterman), Amprobe, Greenlee and others.
  - Alligator clips attach to the test leads for secure connections.
  - Maxigrabber® test clips attach to test leads.
  - Nylon storage pouch to contain all kit components.

### Electrical DMM Test Lead Kit



Model#	Ratings
5673B	CAT III 1000V per IEC 1010-2-031

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electrical test probes with standard tips.
  3. Extended tip probe adapters.
  4. Insulated spade lugs.
  5. Medium alligator clips.
  6. Large alligator clips.
  7. Nylon storage pouch (not shown).
- DMM plugs fit meters from Fluke, Wavetek (Meterman), Greenlee, Amprobe and others.
  - Spade lugs connect to test leads and can be secured to binding posts or terminals.
  - Alligator clips plug into the test leads.

### Basic Electrical DMM Test Lead Kit



Model#	Plug Type	Ratings
5900	Right Angle DMM Plug	CAT III 1000V per IEC 1010-2-031

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electrical test probes with standard tips.
  3. Maxigrabber® test clips.
  4. Nylon storage pouch (not shown).
- DMM plugs fit meters from Fluke, Wavetek (Meterman), Greenlee, Amprobe and others.
  - Maxigrabber® test clips with jaws attach to test leads.
  - Nylon carrying pouch included.

### Multi-Use DMM Test Lead Kit

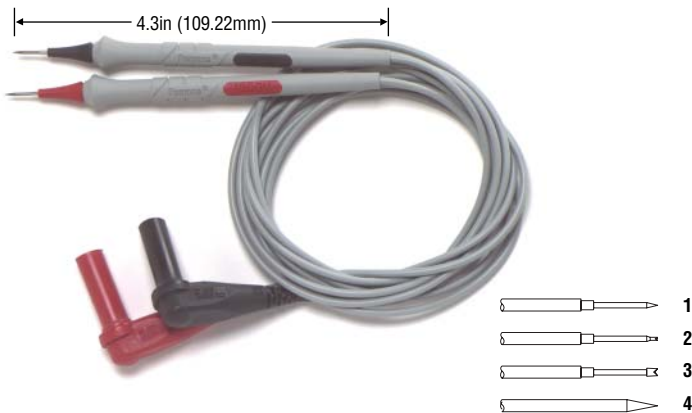


Model#	Ratings
5899	CAT III 1000V per IEC 1010-2-031

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electrical test probes with standard tip.
  3. Maxigrabber® with pincer tips.
  4. Medium alligator clips.
- DMM plugs fit meters from Fluke, Wavetek (Meterman), Greenlee, Amprobe and others.
  - Alligator clips attach to test lead for reliable connections.
  - Maxigrabber® test clips with pincers for quick and easy connections.

## DMM Accessories and Kits

### Precision Electronic Test Probe Set



Model#	Features	Ratings
6341	Probe set with complete set of 5 tips	IEC1010 CAT III 1000V
6342	Probe set with sharp point gold pogo pin tips	CAT III 1000V
6275	Probe set with sharp stainless steel rigid tips	CAT III 1000V
6354	Replacement probe tips. Set of 4 types.	

- Replaceable 0.04in (1.52mm) pogo-pin tips.
- Small outline for tight test situations.
- Replaceable pogo-pin tips.
- Comfort-grip textured surface.
- Fits all meters including Fluke, HP (Agilent), Keithley, Wavetek, (Meterman) and others.
- Silicone insulated leads resist abrasion and heat.

#### Replacement Tips

1. Sharp-point gold pogo-pin.
2. Tri-point gold pogo-pin.
3. Quad-point gold pogo-pin.
4. Sharp stainless steel rigid.

See page 67 for more probe tips.

### Safety 2mm/4mm Test Probe Set



Model#	Ratings
6601	IEC1010 1000V CAT III

- Versatile 2 mm probe tip with screw-on 4 mm tip.
- Each probe includes Protective Cap designed to meet Guidance Note GS38.
- Silicon insulated 4ft (1.2 m) test leads with right angle DMM plugs.
- Comfort-grip textured surface.

### Retractable Needle Tip Test Probes



Model#	Plug Type	Ratings
5953A	Right-angle DMM	CAT II 600V*
5952A	Stacking banana	33 Vac/70 Vdc

\*per IEC1010

- Silicone insulated 4ft (1.2m) leads fits most meters from Fluke, Wavetek (Meterman), HP, Amprobe, Greenlee and others.
- Fully insulated tip extends to 3in (76.2mm).
- Durable 0.040in (1.02mm) stainless-steel needle tips reach into inaccessible areas.
- Set of 2 probes, one black and one red.

See page 63 for banana plug types.

### Test Probes with Screw-on Alligator Clips



Model#	Ratings
6723	IEC1010 1000V CAT III 20A (probe alone) IEC1010 300V, CAT II 10A (with alligator clip attached) 10A

- Probe set includes 2 screw-on alligator clips.
- 8-32 threaded tips allow secure attachment of alligator clips.
- Silicon insulated 4ft (1.2 m) test leads with right angle DMM plugs.
- Comfort-grip textured surface.
- Wide temperature range of 14°F to 212°F (-10°C to +100°C).



### Additional Screw-on Alligator Clip Set for 6723



Model#	Ratings
6726	300V, CAT II 10A

- Set of 2 screw-on alligator clips.
- Designed for use with 8-32-UNC 2A threaded probe like the Pomona 6723.
- 8-32 threaded tips allow secure attachment of alligator clips.
- Wide temperature range of 14°F to 212°F (-10°C to +100°C).

### Replacement DMM Test Lead Sets with Fixed Tips



Model#	Features	Plug Type	Ratings
5519A	Standard tip Nickel/brass	Right-angle DMM (1)	CAT III 1000V*
6365	Standard tip Nickel/brass	Straight DMM (2)	CAT III 1000V*
6366	Standard tip Nickel/brass	Retractable sleeve (5)	CAT III 1000V*
5898	Stainless steel heavy-duty tip	Right-angle DMM (1)	CAT III 1000V*
5309A	Stainless steel heavy-duty tip	Stacking banana (3)	33 Vac/70 Vdc
5516A	Standard tip Nickel/brass	Amprobe Model 4 (1)	33 Vac/70 Vdc
5517A	Standard tip Nickel/brass	Right-angle Simpson Plugs (1)	33 Vac/70 Vdc

\*per IEC1010-2-031

- Monolithic probes with fixed tips.
- Durable 080 tips for long life.
- Comfort-grip probe.
- Silicone insulated 4ft (1.2m) leads fit most DMMs from Fluke, HP (Agilent), Wavetek (Meterman), Amprobe, Greenlee and others.

For Plug Type, see below.

### Probe Kits with Full Set of 5 0.060in (1.52mm) Replacement Tips



Model#	Description	Plug Type	Ratings
5676A	Hand-held DMM probe set	Right-angle DMM (1)	CAT III 1000V*
6473	Universal banana plugs	Stacking banana (3)	33 Vac/70 Vdc
6474	Bench-top DMM probe set	Straight DMM (2)	CAT III 1000V*
6478	Universal replacement probe set	Retractable sleeve banana (5)	CAT III 1000V*
6475	Five sets of replacement tips		

\*per IEC1010-2-031

- Two test probes with a full set of all 5 probe tips (10 tips total).
- Full set of probe tips as shown above.
- Silicone insulated 4ft (1.2m) leads.
- 0.06in (1.52mm) tip diameter.

#### Replacement Tips

1. Sharp gold plated plunger tip.
2. Triple-point gold plated pogo pin.
3. Gold plated micro tip pogo.
4. Stainless-steel sharp-point.
5. Standard brass.

See page 67 for more probe tips.

### Replaceable Tip Probes



Model#	Probe Tip	Plug Type	Ratings
6469	Gold-plated Microtip pogo	Right-angle DMM (1)	CAT III 1000V*
6470	Gold-plated Microtip pogo	Straight DMM (2)	CAT III 1000V*
6471	Gold-plated Microtip pogo	Retractable sleeve banana (5)	CAT III 1000V*
6472	Gold-plated Microtip pogo	Stacking banana (3)	33 Vac/70 Vdc
6477	Stainless-steel sharp-point	Right-angle DMM (1)	CAT III 1000V*
5950A	Stainless-steel sharp-point	Straight banana (4)	33 Vac/70Vdc
5951A	Nickel plated brass	Right-angle banana (6)	33 Vac/70 Vdc

\*per IEC1010-2-031

- New 0.06in (1.52mm) diameter solid and pogo-pin probe tips can be easily replaced without tools making this versatile probe the perfect tool for nearly every test.
- Comfort-grip probe handle.

#### Replacement Tips

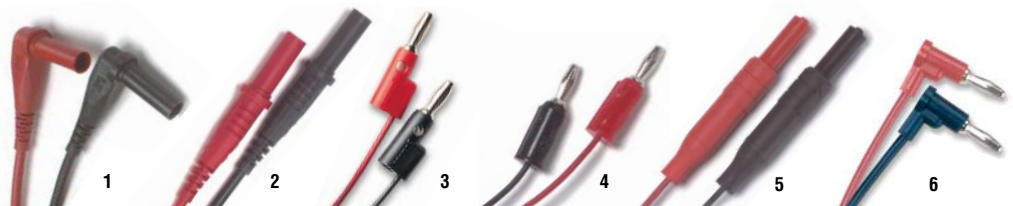
1. Sharp gold plated plunger tip.
2. Triple-point gold plated pogo pin.
3. Gold plated micro tip pogo.
4. Stainless-steel sharp-point.
5. Standard brass.

See page 67 for more probe tips.

#### Plug Types

1. Right angle DMM plug\*
2. Straight DMM plug\*
3. Stacking banana plug
4. Straight banana plug
5. Retractable sleeve banana plug
6. Right angle banana plug

\* Shrouded DMM plugs fit most DMMs from Fluke, Wavetek (Meterman), HP (Agilent), Amprobe, Greenlee and others.



## DMM Accessories and Kits

### Replacement DMM Test Leads



Model#	Application	Features	Ratings
5907A	Hand-held DMM modular test leads	Right-angle DMM plug (1)	CAT III 1000V*
5908A	Bench-top DMM modular test leads	Straight DMM plugs (2)	CAT III 1000V*
5909A	Hand-held DMM modular test leads	Right-angle DMM plug at both ends (1)	CAT III 1000V*
6358	Universal DMM test leads	Retractable sheath DMM plugs (3)	CAT III 1000V*
6467	Bench-top DMM universal lead	Stacking banana plugs (4)	33 Vac/70 Vdc

\*per IEC1010-2-031

- Leads for Pomona Modular Test Probes.
  - Plugs fit most popular DMMs from Fluke, Wavetek (Meterman), HP (Agilent), Amprobe, Greenlee and others.
  - Silicone insulated 4ft (1.2m) leads.
  - Retractable sleeve plug fits all banana jacks, binding posts and DMM input jacks.
- Plug Types**
- Right angle DMM.
  - Straight DMM.
  - Retractable sheath 0.16in (4mm).
  - Stacking banana plug.

### Replacement Modular Test Probes



Model#	Probe Type	Features	Ratings
6232A	Modular electrical probe	Standard 0.08in (2.03mm) tip	CAT III 1000V*
6479	Industrial modular probe	Stainless-steel 0.08in (2.03mm) sharp-point	CAT III 1000V*
5906A	Lantern tip	Fits 4mm Jack	CAT III 1000V*
5689A	Replaceable tip modular probe	Stainless-steel 0.08in (2.03mm) sharp-point	CAT II 600V*
6364	Complete set of five replacement tips	080 Probe-tip assortment see page 67	

\*per IEC1010-2-031

- Modular probes fit all Pomona test leads.
- Lantern tip probes fit into banana jacks.

### Replacement Modular Test Probe Sets



Model#	Description	Probe Type	Test Lead Type	Ratings
6286	Standard tip with right-angle DMM plug	6232A	5907A	CAT III 1000V*
6287	Standard tip with straight DMM plug	6232A	5908A	CAT III 1000V*
6464	Standard tip with retractable sleeve DMM plug	6232A	6358	CAT III 1000V*
6466	Stainless-steel tip with retractable sleeve DMM plug	6479	6358	CAT III 1000V*
6288	Stainless-steel tip with right-angle DMM plug	6479	5907A	CAT III 1000V*
6304	Lantern tip probe with right-angle DMM plug	5906A	5907A	CAT III 1000V*
6305	Lantern tip probe with straight DMM plug	5906A	5908A	CAT III 1000V*
6432	Standard tip with straight banana plug	6232A	6439	33 Vrms/70 Vdc
6428	Standard tip with stacking banana plug	6232A	6467	33 Vrms/70 Vdc

\*per IEC1010-2-031



- Modular test probes sets contain one set of modular probes and test leads in one package.
- Silicone insulated 4ft (1.2m) leads fit most meters from Fluke, Wavetek (Meterman), HP (Agilent), Amprobe, Keithley, Greenlee and others.

Create Your Own Test Leads for Your Own Specific Needs with the Following:

### Test Lead Wire with Silicone or PVC Insulation



**NEW**

Model#	Insulation Type	Length
6733-*	Silicone	50ft (15.2m)
6734-*	PVC	50ft (15.2m)

- 50ft (15.2m) of unterminated 18 AWG test lead wire 50ft (15.2m lengths only).
- Choose from heat-resistant silicone or PVC insulation.
- Very flexible with 65 strands of 36 AWG tinned copper conductor.
- Create your own test leads with the adapters shown below.
- Wide temperature range of -58°F to 302°F (-50°C to 150°C) with PVC insulation.

\*Std. Colors: -0 blk, -2 red.

See page 30 for more do-it-yourself plugs.

### Do-It-Yourself 4mm Right Angle Banana Plug

Model# 6729

1.28in (32.4mm)



**NEW**

Build your own safety leads with do-it-yourself safety-sheathed 4mm right angle banana plug.

**Material:** Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

**Rating:** IEC1010 1000V Category III\*\*, 20A, 14°F to 176°F (-10°C to +80°C).

\*Std. Colors: -0 black, -2 red.

\*\* When plug is correctly assembled and terminated.

### Do-It-Yourself 4mm Stackable Banana Plug

Model# 6721

2.3in (58.4mm)



**NEW**

Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

**Material:** Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

**Rating:** IEC1010 1000V Category III\*\*, 20A, 14°F to 176°F (-10°C to +80°C).

\*Std. Colors: -0 black, -2 red.

\*\* When plug is correctly assembled and terminated.

### Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack

3.01in (76.45mm)



6383

1.44in (36.58mm)



Model#	
6383-*	Plug
6383-02	
6384-*	Jack
6384-02	



6384

- Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation.
- Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.

See mating panel jacks (6387 and 6388 on page 32).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Insulation: Santoprene®.

Attaches to wire by crimp or soldering.

**Rating:** IEC1010 CAT II 300V, 15A, +275°F (+135°C) max.

\*Std. Colors: -0 black, -2 red, -02 black & red (2 per pkg).

\*Sold in pkgs of 10.

### Kelvin Probes

Model# 6303



For 4-wire and 2-wire measurements.

Patented design for high precision rapid testing.

Gold plated for accuracy.

Easily move from one test point to another for rapid readings.

For use with 4-wire Kelvin meters such as Agilent 34401A, and 3458A.

**Rating:** For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc.

**Length:** 48in (122cm)

### Kelvin Lead Set with Kelvin Clips

Model# 6730



**NEW**

- Gold-plated Kelvin clip jaws allow 4-wire resistive measurements.
- Silicone insulated 3.3ft (1m) test lead.
- Safety sheathed straight DMM plugs for convenient bench use.
- Clips firmly grip test points for low-loss connection.

**Rating:** For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc.

### Kelvin Clip Set

Model# 5940



Two gold plated clips connect to test points for 4-wire resistive measurement.

Clips open to 0.25in (6.35mm) maximum.

Gold-plated plugs and clips.

**Rating:** For CE compliance: not intended for hand held use at voltages above 33 Vrms/70 Vdc.

**Overall Length:** 26.5in (67.3cm).

### Maxigrabber® Test Clip Set with Pincer

Model# 5910A



Includes set of 2, one red and one black.

**Pincer Opening:** 0.080in (2.03mm) dia. test point.

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC1010-2-031.

### Maxigrabber® Test Clip Set with Hook

Model# 5911A



Includes set of 2, one red and one black.

**Hook Fits Test Points to:** 0.060in (1.52mm) diameter.

**Hook Opens to:** 0.25in (6.5mm).

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC1010-2-031.

## DMM Accessories and Kits

### Maxigrabber® Test Clip Set with Jaws

**Model# 5912A**



Includes set of 2, one red and one black.

**Jaw Opening:** 0.50in (12.70mm) dia.

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC1010-2-0312.

### Medium Alligator Clip Set

**Model# 5916A**



Fits on any DMM or banana plug test lead.

**Rating:** IEC1010-2-031 CAT II 300V 5A.

**Jaw Opening:** to 0.30in. (7.62mm).

**Std. Colors:** -0 blk, -2 red.

### Insulation Piercing Maxigrabber® Test Clip Set

**Model# 5913**



Includes set of 2, one red and one black.

Pierces insulation to make connection on wire up to 0.144in (3.66mm) diameter.

**Rating:** Overvoltage per IEC1010-2-031 CAT III, 1000V, 5A.

### Test Probe Tip Adapters

**Model# Application**

**6263-\*** fits comfort-grip style and modular probes 6232A and 6479

**5246-\*** fits 5689A probe



**6263**  
Fits 5519A etc.



**5246**  
Fits 5548A etc.

IC Probe Tip.

Attach to 0.08in (2mm) probe tips.

**Rating:** IEC1010 CAT II, 300V, 5A.

**Std. Colors:** -0 blk, -2 red.

### Insulation Piercing Clip Sets

Model#	Features	Colors
<b>6405</b>	Attach to test leads	Set of red/black
<b>6413</b>	Attach to 0.080in (2.03mm) Polar tip	
<b>6580-12</b>	12in (304.8mm) long	-0 blk, -2 red
<b>6580-24</b>	24in (609.6mm)	-0 blk, -2 red



- Double V block centers wire
- Set of 2, (red and black jacks)
- Bright yellow for easy location
- Attach to test leads

### Test Probe Tip Adapters

**Model# 6264-\***



Alligator Clip.

Attach to probe tip.

**Rating:** IEC1010-2-031 CAT II. 300V. 5A

Works with comfort-grip style and modular electrical probes.

**Std. Colors:** -0 blk, -2 red.

### Test Lead Couplers

**Model# 6252**



Banana plug splice.

Maintains overvoltage rating up to CAT III 1000V per IEC1010-2-031.

Use with any Pomona DMM test leads, even 0.16in (4mm plugs).

### Large Alligator Clip Set

**Model# 6041B**



Fits on any DMM or banana plug test lead.

**Rating:** IEC1010-2-031 CAT III 1000V 20A.

**Jaw Opening:** 1.0in (25.40mm).

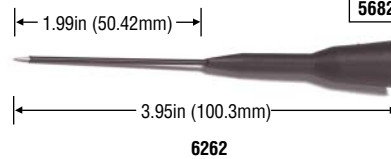
**Std. Colors:** -0 blk, -2 red.

### Test Probe Tip Adapters

**Model# Application**

**6262-\*** fits comfort-grip style and modular probes 6232A and 6479

**5682-\*** fits modular probe 5689A



← 1.99in (50.42mm) →

← 3.95in (100.3mm) →

**6262**

Extended Fine Point.

Insulated probe for hard to reach test points. Maximum 3A.

**Std. Colors:** -0 blk, -2 red, -02 1 ea. blk, red.

← 2.0in (50.8mm) →

← 3.27in (83.1mm) →

**5682**

### Industrial Alligator Clip Set

**Model# 5914**



Fits on any DMM or banana plug test lead.

**Rating:** IEC1010-2-031 CAT III 600V 10A.

**Jaw Opening:** to 1.0in (25.40mm).

**Std. Colors:** -0 blk, -2 red.

### Spade Lug Adapters



6203

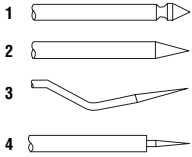


6153

Model#	Lug
6203	Insulated spade lug
6153	Bare spade lug

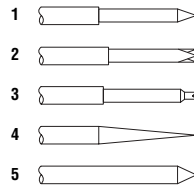
Connect banana plug patch cords to binding posts.  
Fits screws or binding posts from #10: 0.32in to 0.25in (8.13mm to 6.35mm).

### 0.08 (2.03mm) Replacement Probe Tips



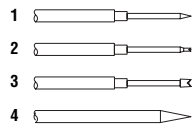
Model#	Item	Features
5688	1	Nickel plated standard tip
4174	2	Stainless-steel sharp point
5133	3	SMD Microtip™ stainless-steel tip
4988	4	Sharp needle-point stainless-steel
6364	Full set	Set of all tips

### 0.06 (1.52mm) Replacement Probe Tips



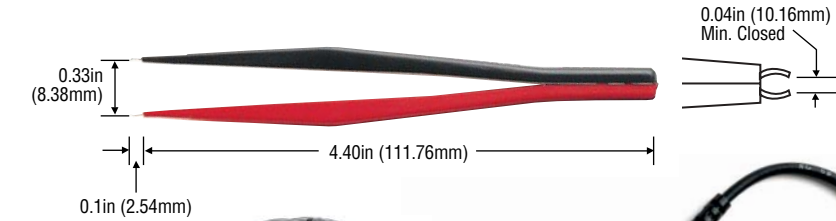
Model#	Item	Features
6218	1	Sharp gold plated plunger tip
6219	2	Triple-point gold plated pogo pin
6220	3	Gold plated micro tip pogo
6221	4	Stainless-steel sharp-point
6222	5	Standard brass
6475	Full set	Set of all tips

### 0.04 (1.01mm) Replacement Probe Tips



Model#	Item	Features
6210	1	Sharp gold plated
6211	2	Triple-point gold plated pogo pin
6212	3	Quad-point gold plated pogo pin
6213	4	Sharp stainless-steel
6354	Full set	Set of all tips

### SMD Test Tweezer Products



Model#	Features	Ratings
5143-K-48	Stacking Banana Plug	30 Vac/ 70 Vdc, 3A
5142-K-48	BNC Male	30 Vac/ 70 Vdc, 3A
5678-K-48	Right Angle DMM Plug	30 Vac/ 70 Vdc, 3A

Length: 48in (1.22m)



### RF Detector Test Probes



Model#	Turn-On Voltage (mV)	Bandwidth (MHz)	Input Capacitance (pF)	Peak AC Input (V)	DC Isolation Incl. Peak AC (V)
6104	200	50Hz-30MHz ± 1.5 dB	10	45	100
6105	350	100KHz-300MHz ± 1.5 dB	7	30	100
6106	350	1MHz-1GHz ± 1.5 dB	6	30	100

Displays RF voltages on multimeter  
Manufactured with high reliability SMD components

Slim-line probes will show AC voltages with sine wave shapes between 500 Hz and 1 GHz

Display will show 1 VDC for 1 VRMS of the sine wave signal

Comes complete with ground lead, sprung hook, BNC adapter and extra tip

Works best on multimeters with 10 MΩ input impedance

**Cable Length:** 4ft (1.2m)

DMM Accessories and Kits

Test Companion Kits include your favorite probes, clips, and leads in their own specially designed carrying case. Select from the following table.

Model#	Kit Model#														Page	
	6112A	6118	6120	6162	6163	6166	6171	6172	6173	6174	6175	6186	6200	6237		6345
<b>Test Probes</b>																
5689A Probe with Replaceable Tip						•	•					•			•	64
5906A Probe with 0.16in (4mm) Banana Tip	•	•		•	•			•	•							64
6232A Probe with 0.080in (2.03mm) Brass Tip	•	•	•							•		•	•			64
<b>Test Leads</b>																
5678 SMD Test Tweezers with DMM Plugs										•	•				•	67
5898 Right Angle Banana/Probe								•	•							63
5907A Straight/Right Angle Banana	•	•	•	•	•	•	•	•	•	•	•	•			•	64
5908A Straight/Straight Sheath Banana Plugs													•			64
<b>Alligator Clips</b>																
5916A Medium Alligator Clips (2)	•	•	•	•	•	•	•	•	•	•	•	•	•		•	66
6041B Large Alligator Clips (2)	•	•	•						•							73
<b>Grabbers</b>																
5910A Maxigrabber Set with Pincer Tips (2)	•	•	•		•			•	•							65
5911A Maxigrabber with Hook Tip Set								•	•							65
5912A Maxigrabber Alligator Clip Set		•	•						•							66
<b>Patch Cords</b>																
6242 Micrograbber to Banana Plug							•			•	•				•	—
6243 SMD Grabber to Banana Plug							•			•	•				•	—
6244 Minigrabber to Right Angle Sheathed Banana Plug						•										42
6248 Minigrabber to Sheathed Banana Jack	•						•			•	•		•		•	42
6261 Minipincer to Banana Jack							•			•	•		•		•	42
<b>Oscilloscope Probes</b>																
4550B Oscilloscope Probe														•		74
6035 Oscilloscope Probe, Fully Insulated Switchable			•													77
<b>Probe Tips/Tip Adapters</b>																
4174 Probe Tip Stainless Steel, Industrial (2)							•				•				•	67
4988 Probe Tip Stainless Steel, Needle-point (2)							•				•				•	67
5133 Probe Tip Stainless Steel, Dog Leg Micro (2)							•				•				•	67
<b>5246 IC Test Tip Adapter</b>																
5682 Extended Tip Adapter							•				•		•		•	66
5688 Probe Tip Nickel Plated Brass, 0.080in (2.03mm) (2)							•				•				•	67
6262 Extended Tip Adapter						•				•						66
6263 IC Test Tip Adapter						•				•						66
<b>Spade Lug Adapters</b>																
6153 Spade Lug with Jack							•			•	•		•		•	67
6203 Insulated Spade Lug				•	•			•	•							67
<b>Coaxial Cable Assemblies/Adapters</b>																
2249 BNC (M) Cable Assem														•		8
3788 BNC (M) to Minigrabber Adapter														•		15
<b>Carrying Cases</b>																
5955 Tri-fold Pouch				•								•				68
6146 Briefcase	•	•	•												•	68
6147 Medium Shoulder-pack					•	•	•	•	•	•	•					68
6155 Oscilloscope Strap-on Case														•		68
6156 DMM Bench Strap-on Case													•			68

Pomona's Test Companion™ Accessory cases & pouches



Model#	Description
6146	Briefcase style with carrying strap
6147	Medium shoulder-pack with carrying strap
5955	Folding case with Velcro
6155	Oscilloscope strap-on case
6156	Bench DMM strap-on case

### Deluxe Industrial Test Companion™ Kit

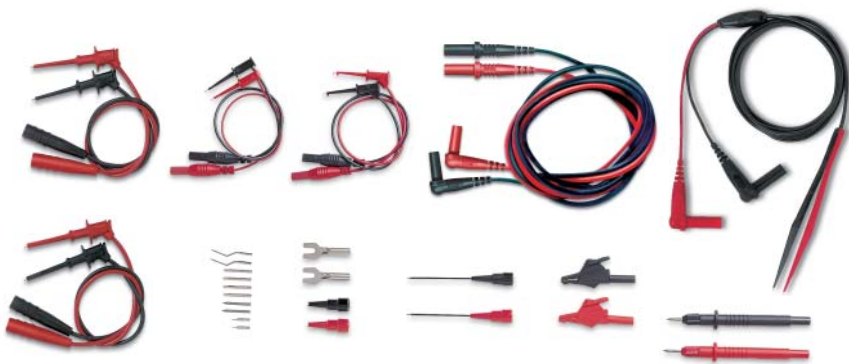


#### Model# 6173

Includes shoulder-pack style Cordura carrying case plus the following IEC1010 compliant test accessories:

- Modular Electrical Test Probe Set with Banana Plug Tip.
- Flexible Test Lead Set with Right Angle and Straight Banana Plugs.
- Probe Lead Set with Sharp Stainless Steel Tip.
- Maxigrabber® Test Clip Set with Pincer Tip.
- Maxigrabber® Test Clip Set with Hook Tip.
- Maxigrabber® Test Clip Set with Jaws.
- Extra Large Alligator Clip Set.
- Medium Alligator Clip Set.
- Insulated Spade Lug Sets (2).

### Deluxe Electronic Test Companion™ Kit



#### Model# 6345

Includes large briefcase style Cordura carrying case plus the following test accessories:

- Modular Electronic Probe Set with Replaceable Tip.
- Assorted Replacement Tips.
- Flexible Test Lead Set with Right Angle and Straight Banana Plugs.
- SMD Test Tweezer® to Banana Plugs.
- Minigrabber® Test Clip Leads.
- Minipincer® Test Clip Leads.
- Micrograbber® Test Clip Leads.
- SMD Grabber® Test Clip Leads.
- Medium Alligator Clip Set.
- Slide-on Extended Tip Set.
- Slide-on IC Tip Set.
- Spade Lug Adapter Set.

### Industrial Test Companion™ Kit



#### Model# 6172

Includes shoulder-pack style Cordura carrying case plus the following IEC1010 compliant test accessories:

- Modular Electrical Test Probe Set with Banana Plug Tip.
- Flexible Test Lead Set with Right Angle and Straight Banana Plugs.
- Probe Lead Set with Sharp Stainless Steel Tip.
- Maxigrabber® Test Clip Set with Pincer Tip.
- Maxigrabber® Test Clip Set with Hook Tip.
- Medium Alligator Clip Set.
- Insulated Spade Lug Set.

### Electronic Test Companion™ Kit

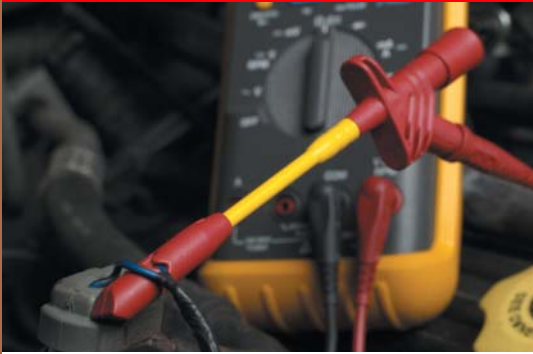


#### Model# 6174

Includes shoulder-pack style Cordura carrying case plus the following test accessories:

- Modular Electronic Probe Set with 0.080in (2.03mm) Dia. Tip.
- Flexible Test Lead Set with Right Angle and Straight Banana Plugs.
- SMD Test Tweezer® to Banana Plugs.
- Minigrabber® Test Clip Leads.
- Micrograbber® Test Clip Leads.
- SMD Grabber® Test Clip Leads.
- Medium Alligator Clip Set.
- Slide-on Extended Tip Set.
- Slide-on IC Tip Set.
- Spade Lug Adapter Set.

Offering a variety of test accessories designed specifically for the automotive environment, Pomona simplifies automotive diagnostics. Pomona automotive accessories give you access to wiring or cables in congested engine compartments, under-dash wiring harnesses, and other generally hard-to-reach places.



### Insulation Piercing Clip Sets

Model#	Features	Colors
6405	Attach to test leads	Set of red/black
6413	Attach to 0.080in (2.03mm) Polar tip	
6580-12	12in (304.8mm) long	-0 blk, -2 red
6580-24	24in (609.6mm)	-0 blk, -2 red



- Double V block centers wire.
- Set of 2, (red and black jacks).
- Bright yellow for easy location.
- Attach to test leads.

### Insulation Piercing Maxigrabber® Test Clip Set

Model# 5913



- Insulated probe for hard to reach test points.
- Set of 2, red and black.

### Air Tool Hanging Rack

Model# 4408M



- Attach to tool box or other steel cabinet.
- Neat storage for leads.
- Easy access.

### Basic Backprobe Pins

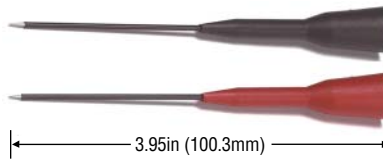
Model# 6411



- Make connection to terminals inside connectors up to 1in (25.40mm) deep.
- For low voltage use < 30V.
- Pkg of 10.

### Rigid Backprobe Pin

Model# 6544-02



- Sharp point to pierce insulation or weather boot up to 2in (50.8mm) deep.
- For low voltage use < 30V.
- Set of 2 (red + black).
- Fits comfort-grip style and modular probes 6232A and 6479.

### Shielded Test Lead Set

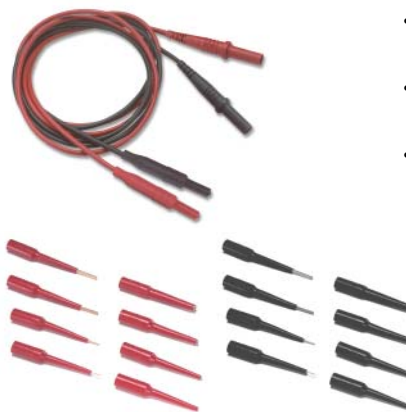
Model# 6480



- Stacking double banana plug mates with instrument interface.
- 12 inch silicone leads connect to test probes or clips (See page 64).
- Silicone leads resist high temperatures.
- Shielded 4ft (1.22m) cable is stiff enough to keep away from moving parts.

### Auto Connector Adapter Set

Model# 6481



- Full set of pin and socket adapters
- 18 piece set includes one black and red pin and socket of each size.
- Contact sizes: 0.03in (0.75mm), 0.04in (1mm), 0.06in (1.5mm), 0.10in (2.5mm).
- Includes Silicone insulated 4ft (1.22m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.

### Coaxial Lead Set Lead Set

Model# 6534

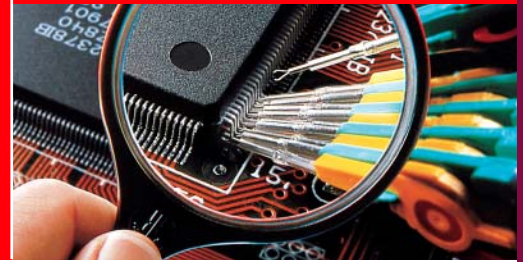


- Complete set of coaxial leads.
- Molded strain relief.
- Seven piece set from 1ft to 10ft (0.3m to 3.05m).
- Standard BNC connectors fit oscilloscopes and other instruments.

# Grabbers and Test Clips

POMONA's Grabber® Test Clips connect rapidly to component test leads, terminals and IC leads. Specially designed tips slide easily onto wire-wrap terminals. And do-it-yourself Grabber test clips can be assembled quickly and easily by the user.

# Pomona®



	<b>Minipincer SMD Grabber</b>		<b>Minigrabber</b>
	<b>Micrograbber</b>		<b>Rotating Micrograbber</b>
0.016in - 0.02in (0.4mm - 0.5mm)			
0.04in (1.02mm)		1.71in (43.43mm)	
0.10in (2.54mm)		1.71in (43.43mm)	
0.09in (2.29mm) 0.12in (3.05mm)		2.54in (64.52mm)	
0.087in (2.21mm)		2.59in (65.79mm)	
0.09in (2.29mm)		6.22in (158.0mm)	
0.14in (3.56mm)		6.22in (158.0mm)	

## Minigrabber® Test Clip with Banana Jack



**Model# 4723-\***

Banana Jack built into plunger.

**Overall Length:** 2.54in (64.52mm).

**Rating:** Hands free testing in controlled environment: 300V\*, 5A, 216°F (+102°C) max.

\*Std Colors: Available in 10 colors.

## Do-It-Yourself Minigrabber® Test Clips



**Model#**

**Max. Wire Dia.**

**3925-\*** 0.090in (2.29mm)

**4555-\*** 0.090in (2.29mm)

**Overall Length:** 2.54in (64.52).

**Rating:** Hands free testing in controlled environment: 300V\*, 5A, +302°F (+150°C) max.

\*Std Colors: Available in 10 colors. Sold in pkgs of 10 per color.

**Model#**

**Features**

**4176-02** Kit contains 2 pcs. of 3925, one black/one red

**5522** Kit contains 10 pcs. of 3925, one of each color

## Minigrabber® Test Clip with Pin Tip Jack



**Model# 4826-\***

A pin jack is built right into the plunger, allowing this test clip to be attached directly to the end of a pin tip patch cord. It can also be used as an adapter for test probes with 0.080in (2.03mm) tips.

**Overall Length:** 2.54in (64.52).

**Rating:** Hands free testing in controlled environment: 300V\*, 5A, +216°F (+102°C) max.

\*Std Colors: -0 blk, -2 red, -9 white.

## Minigrabber® Test Clip with 6-32 Thread



**Model# 4011-\***

Clip can be used with oscilloscope leads equipped with a 6-32 screw.

**Overall Length:** 2.54in (64.52mm)

**Rating:** Hands free testing in controlled environment: 300V\*, 5A, +216°F (+102°C) max.

\*Std Colors: -0 blk, -2 red.

## Threaded Tip Adapter

**Model# 4311**

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, 5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

**Ratings:** The components in this section have a hands free rating for use in controlled voltage environments. However, for CE compliance these products are not intended for hand held use at voltages above 33 Vrms/70 Vdc.

www.pomonaelectronics.com

## Grabbers and Test Clips

### Oscilloscope Probe Tip Adapters



6443

Model#	Probe Type
6443	Monolithic Series
6553	Modular Series

- Adapter attaches directly to the oscilloscope probe tip.
- Designed for use with Micro SMD Grabber Test Clips.



6553

**NEW**

### Micro SMD Grabber® Test Clip for 0.05 to 0.01in (1.25 to 0.2 mm) Lead Pitch

Model#	Profile Height	Lead Pitch	Tip	Qty	Colors
6442	0.28in (7mm) low	0.05 - 0.01in (1.25 - 0.3mm)	Long	10	10
6311	0.55in 14mm	0.03in - 0.01in 0.85 - 0.2mm	Long	2	2
6351	0.55in 14mm	0.03in - 0.01in 0.85 - 0.2mm	Long	10	2
6312	0.55in 14mm	0.05 - 0.01in 1.25 - 0.3mm	Long	2	2
6352	0.55in 14mm	0.05 - 0.01in 1.25 - 0.3mm	Long	10	2
6313	0.55in 14mm	0.05 - 0.01in 1.25 - 0.3mm	Short	2	2
6353	0.55in 14mm	0.05 - 0.01in 1.25 - 0.3mm	Short	10	2



- Use with PQFP, SOIC, TSOP and SSOP packages with lead pitches down to 0.01 to 0.02in (0.2 to 0.5 mm).
- Thin body allows an unlimited number of clips to be stacked side by side.
- Maximum frequency is 100MHz.

**Rating:** Hands free testing in controlled environment: 45V\*.

Supplied with female to male flying leads.



### Micro SMD Grabber® Test Clip for True Kelvin Measurements

**Model# 6444**

- Obtain true Kelvin measurement for any SMD package.
- Attach directly to your 4-wire instrument.
- Extremely small body height for tight test areas.
- For 0.05 to 0.01in (1.25 to 0.3mm) lead pitch.
- Includes 2 grabbers and cords.



### Rotating Micrograbber® Test Clip with Two 0.025in (0.635mm) Square Pins

Model#	Features
5790-*	Sold individually
5929-*	Rotating Micrograbber® Test Clip Kit. -0 kit contains 10 Model 5790 black clips, -2 kit contains 10 red clips.
5930	Rotating Micrograbber® Test Clip Kit., Kit contains 5 Black & 5 Red Model 5790 clips.

Use when testing IC leads at 0.05in (1.25mm) pitch or in other tight situations. Pincers rotate for ease of access.

**Overall Length:** 2.12in (53.85mm)

**Rating:** Hands free testing in controlled environment: 45 Vac\*, 2A max.

\*Std Colors: -0 black, -2 red.



### Micro SMD Grabber® Test Clip for 0.05 to 0.02in (1.25 to 0.5 mm) Lead Pitch

**Model# 6490-\***

- Use with PQFP & SOIC packages with 0.02in (0.5mm) lead pitch or greater.
- Pincers and 0.03in (0.76mm) pin plug are directly connected; no sliding parts.
- Pincers are stationary. Housing moves to close tips together.
- Device under test must be inactive when connecting pincers.

\*Std Colors: -0 blk, -2 red.



### SMD Grabber® Test Clip with 0.025in (0.635mm) Square Pin

Model#	Features
5360	Sold Individually
5927	SMD Grabber® Test Clip w/0.025in (0.635mm) Sq. Pin Kit. Contains 10 Model 5360 clips, one of each color.

Pincer type contact designed for testing 0.05in (1.25mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

0.15in (3.81mm) sq. access hole leads to 0.025in (0.635mm) sq. pin.

**Overall Length:** 1.73in (43.94mm).

**Rating:** Hands free testing in controlled environment: 150V\*, 0.5A, +216°F (+102°C) max.

\*Std Colors: Available in 10 colors.

0.025in (0.635mm) Square Pin Patch Cords available, see page 49, 50.



### Do-It-Yourself SMD Grabber® Test Clips

Model#	Features
5243-*	Sold in pkgs of 10 per color
5520	Kit containing 10 pcs of 5243 one of each color

Pincer type contact designed for testing 0.05in (1.27mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

**Overall Length:** 1.71in (43.43mm).

**Wire Opening:** 0.09in (2.29mm) dia. max.

**Rating:** Hands free testing in controlled environment: 150V\*, 0.5A, +216°F (+102°C) max.

\*Std Colors: Available in 10 colors.



### Do-It-Yourself Micrograbber® Test Clips

Model#	Features
4233-*	Sold in pkgs of 10 per color
5524	Kit containing 10 pcs of 4233, one of each color

**Overall Length:** 1.71in (43.43mm).

**Material:** Gold plated brass

**Rating:** 150V, 3A, +216°F (+102°C) max.

\*Std Colors: Available in 10 colors.

For hook dimensions see page 71.



### Micrograbber® Test Clip with 0.025in (0.635mm) Square Pin

Model#	Features
4521	Sold individually
5925	Micrograbber w/ 0.025in (0.635mm) Sq. Pin Kit. Contains 10 Model 4521 clips, one of each color.



### Do-It-Yourself Maxigrabber® Test Clips

Model#	Max. Wire Dia.
4225-*	0.090in (2.29mm)
4565-*	0.144in (3.66mm)

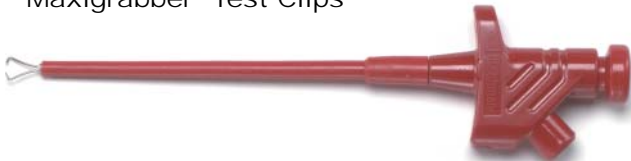


Fits entry holes as small as 0.25in (6.35mm) dia.  
**Overall Length:** 6.00in (152.4mm).

**Rating:** Hands free testing in controlled environment: 300V\*, 5A, +216°F (+102°C) max.  
**\*Std Colors:** -0 blk, -2 red.  
*For hook dimensions see page 71.*

### Do-It-Yourself Flexible Maxigrabber® Test Clips

**Model# 5830-\***



Rotating pincer type contact for easier access. Standard banana jack and screw for direct wire termination.  
**Overall Length:** 6.22in (157.9mm).

**Rating:** Hands free testing in controlled environment: 250V\*.  
**\*Std Colors:** -0 black, -2 red.  
*For pincer dimensions see page 71.*

### Insulated Minigrabber Test Clip to Pin Tip Jack

**Model# 3491-\***



**Jaw Opening:** Alligator clip has 0.187in (4.75mm) max.  
**Overall Length:** 2.05in (52.07mm).  
**Rating:** Hands free testing in controlled environment: 45V\*, 5A, +122°F (+50°C) max.  
**\*Std Colors:** -0 blk, -2 red.

### Do-It-Yourself Minipincer® Test Clip

**Model# 5418-\***



Pincer type contact.  
**Overall Length:** 2.59in (65.79mm).  
**Rating:** Hands free testing in controlled environment: 300V\*, 5A, +176°F (+80°C) max.  
**\*Std Colors:** Available in all 10 colors.  
*For pincer dimensions see page 71.*

### Medium Alligator Clip Set

Model#	Features
5916A	Set of 2 Clips Black and Red



Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A, 5909A (p. 64).  
**Jaw Opening:** 0.30in (7.62mm) max.  
**Overall Length:** 2.25in (57.15mm).  
**Rating:** Conforms to IEC1010-2-031, Overvoltage Cat II, 300V, 5A max.

### Miniature Alligator Test Clip with 2mm Banana Jack

**5788-\***



**Jaw Opening:** 0.24in (6.10mm) max.  
**Overall Length:** 1.57".  
**Rating:** 45V, +80°C (+176°F) max.  
**\*Std. Colors:** -0 blk, -2 red.  
 Sold in pkgs of 10 per color.

### Alligator Clip Probe Tip Adapters

Model#	Size
6574*	0.08in (2mm)
6575*	0.16in (4mm)



6574



6575

Clip plugs onto tip of either 0.08in (2mm) tip probe like Pomona model 5519A or 0.16in (4mm) tip probe like Pomona 5906A or 6601 test probes.

**Jaw opening:** 0.30in (7.6mm) max.  
**Materials:** Alligator clip: nickel-plated steel, Boot: Santoprene rubber.  
**Length:** 2.72in (69.1mm).  
**Rating:** 1000V CAT III per IEC1010-2-031, 10A, -13 to 176°F (-25 to 80°C).  
**\* Std. Colors:** -0 black, -2 red, -02 two alligator clips, 1 black, 1 red.

### Alligator Test Clip to Pin Tip Jack with Insulator

**Model# 1437-\***



**Jaw Opening:** Alligator clip has 0.30in (7.62mm) max.  
 Accepts 0.08in (2.03mm) dia. pin.  
**Overall Length:** 2.16in (54.86mm).  
**Rating:** Hands free testing in controlled environment: 150V\*, 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 blk, -2 red.  
 Sold in pkgs of 10 per color.  
 (Sold unassembled) 10 clips and 10 insulators per pkg.

### Extra Large Alligator Clip Set

Model#	Features
6041B	Set of 2 Clips Black and Red
6042-*	1 Clip



Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A and 5909A (p. 64).  
**Jaw Opening:** 1.0in (25.40mm) max.  
**Overall Length:** 3.5in (88.90mm).  
**Rating:** Conforms to IEC1010-2-031, Overvoltage Cat III, 1000V, 20A max.  
**\*Std. Colors:** -0 Black, -2 Red.

### Alligator Clip with Boot for 0.166in (4mm) Sheathed Banana Plug

Model#	Fits Sheathed Banana
6573A	0.16in (4mm)



Clip plugs onto 0.16in (4mm) sheathed banana plug, as on Pomona model 5907A test leads.  
**Jaw opening:** 0.30in (7.6mm) max.  
**Materials:** Alligator clip: nickel-plated steel, Boot: Santoprene rubber.  
**Length:** 2.91in (73.9mm).  
**Rating:** 1000V CAT III per IEC1010-2-031, 10A, -13 to 176°F (-25 to 80°C).  
**\* Std. Colors:** -0 black, -2 red, -02 two alligator clips, 1 black, 1 red.

### Alligator Test Clip to Banana Jack, with Insulator

Model#	Plating	Features
3289-*	Gold	1 clip and insulator/pkg.
2240-*	Nickel	10 clips and insulators/pkg.
6567	Nickel	10 clips w/o insulators/pkg.



**Jaw Opening:** Alligator clip has 0.30in (7.62mm) max.  
**Overall Length:** 2.16in (54.86mm).  
**Rating:** Hands free testing in controlled environment: 150V\*, 5A, +122°F (+50°C) max.  
**\*Std Colors:** -0 blk, -2 red.  
 Sold unassembled.

\*see rating message at start of section.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

## Oscilloscope Probes and Accessories

Pomona's oscilloscope probes give you the full range you need. Designed, rated, and specified to match the bandwidth of your instrument, they provide you with full voltage read-out over the entire rated bandwidth of each probe.



Pomona



### Replacement Passive Oscilloscope Probes

These general purpose monolithic passive voltage probes feature high performance for greater test flexibility. Complete accessory kit included.

See selection guide below.

### Monolithic Passive Oscilloscope Probes

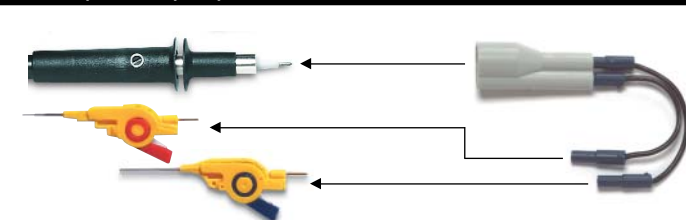
Model#	Probe Ratio	Maximum Input Voltage CAT I <sup>1</sup>	System Bandwidth MHz (-3 dB)	System Rise time (ns)	Probe Input Resistance (MΩ)	Probe Input Capacitance (pF)	Compensation Range (pF)	Readout Actuator <sup>4</sup>	Cable Length
5800A	1:1	300 <sup>2</sup>	Up to 30 <sup>3</sup>	< 11.66 <sup>3</sup>	1	< 57 + 0-Scope	NA	No	4ft (1.2m)
6265	10:1	300	60	< 5.83	10	< 10.5	10 - 60	No	4ft (1.2m)
6266	1:1 10:1	300 <sup>2</sup> 300	Up to 20 <sup>3</sup> 60	< 17.5 <sup>3</sup> < 5.83	1 10	< 65 + 0-Scope < 11	NA 10 - 60	No	4ft (1.2m)
5795A	10:1	300	100	< 3.50	10	< 9.5	10 - 60	No	4ft (1.2m)
4550B	1:1 10:1	300 <sup>2</sup> 300	Up to 15 <sup>3</sup> 100	< 23.33 <sup>3</sup> < 3.50	1 10	< 64 + 0-Scope < 10.5	NA 10 - 60	No	4ft (1.2m)
6049A	10:1	300	150	< 2.33	10	< 10.5	10 - 30	No	4ft (1.2m)
6101A	10:1	300	150	< 2.33	10	< 10.5	10 - 30	Yes	4ft (1.2m)
SP150B	1:1 10:1	300 <sup>2</sup> 300	Up to 15 <sup>3</sup> 150	< 23.33 <sup>3</sup> < 3.33	1 10	< 50+ 0-Scope < 15	NA 10 - 60	No	4ft (1.2m)
5803A	10:1	300	200	< 1.75	10	< 10	10 - 60	No	4ft (1.2m)
5806A	1:1 10:1	300 <sup>2</sup> 300	Up to 20 <sup>3</sup> 200	< 17.5 <sup>3</sup> < 1.75	1 10	< 77 + 0-Scope < 11.5	NA 10 - 60	No	4ft (1.2m)
5827	100: 1	300	200	< 1.75	10	< 5.5	15 - 50	No	6.6ft (2.0m)
6069A	10:1	300	250	< 1.40	10	< 10	10 - 30	No	4ft (1.2m)
6102A	10:1	300	250	< 1.40	10	< 10	10 - 30	Yes	4ft (1.2m)
5809A	10:1	300	300	< 1.17	10	< 17	10 - 60	No	4ft (1.2m)
5812A	10:1	300	300	< 1.17	10	< 17	10 - 60	Yes	4ft (1.2m)

#### Replacement Accessory Kit: 6267

##### Kit includes:

- Retractable Hook Tip
- BNC Adapter
- IC Adapter
- Insulating Tip
- Trimmer Tool
- 6in (0.15m) Ground Lead with Alligator Clip

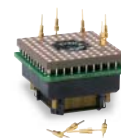
#### Oscilloscope Probe Tip Adapter Model# 6443



This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

Pomona adapters with 0.025in (0.635mm) pins

- 5360 6313 6490
- 5790 6351 6442
- 6311 6352 6444
- 6312 6353 All "IC" test clips



1 **Rating:** All probes are rated 300V (DC + Peak AC), CAT I, per IEC1010-2-031. Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V.

2 Maximum input voltages are dependent on the oscilloscope input characteristics; take the lesser of the two specifications.

3 Dependent upon oscilloscope input characteristics.

4 Any oscilloscope that uses the Tektronix® style range actuator.

### Modular Passive Oscilloscope Probes



Featuring a new, compact, ergonomically designed probe handle, these modular general purpose passive voltage probes are ideal for use with a wide variety of oscilloscopes. They also feature a spring-loaded, pogo-pin replaceable tip. The fine tip probes are perfectly suited for probing high-density chip leads with less than 0.060in (1.52mm) spacing. Modular in design, the probe handle is capable of receiving a variety of spring-loaded and fixed tips, providing greater testing versatility. An affordable, versatile probe for many uses.

Probe sets feature probe handle, insulated adjusting tool, sprung hook, BNC adapter, 9.06in (230mm) ground lead, 0.98in (25mm) ground adapter, IC tip adapter, tip cover, rigid tip and spring-loaded tip (1 each), and complete set of instructions and specifications.

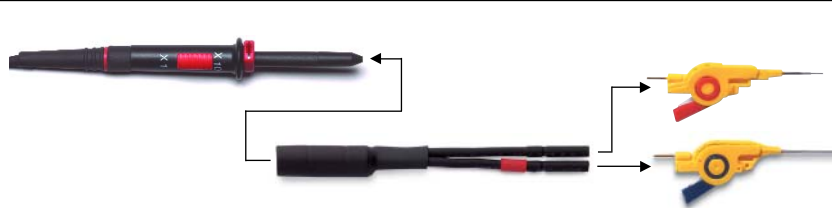
Model#	Probe Ratio	Maximum Input Voltage CAT II <sup>1</sup>	System Bandwidth MHz (-3 dB)	System Rise time (ns)	Probe Input Resistance (MΩ)	Probe Input Capacitance (pF)	Compensation Range (pF)	Readout Actuator 4	Cable Length
6491	1:1	100 V 2	Up to 25 3	< 14.0 3	1	< 38 + O-Scope	NA	NA	4ft (1.2m)
6493	10:1	300 V	60	< 5.90	10	< 10	10 - 60	No	4ft (1.2m)
6494	10:1	300 V	60	< 5.90	10	< 10	10 - 60	Yes	4ft (1.2m)
6499	1:1	100 V 2	20 3	< 17.5 3	1	< 40 + O-Scope	NA	No	4ft (1.2m)
	10:1	300 V	60	< 5.90	10	< 10	10 - 60		
6495	10:1	300 V	100	< 3.50	10	< 10	10 - 60	No	4ft (1.2m)
6500	1:1	100 V 2	20 3	< 14.0 3	1	< 42 + O-Scope	NA	No	4ft (1.2m)
	10:1	300 V	100	< 3.50	10	< 10	10 - 60		
6496	10:1	300 V	350	< 1.00	10	< 12	5 - 40	No	4ft (1.2m)
6497	10:1	300 V	350	< 1.00	10	< 12	5 - 40	Yes	4ft (1.2m)
6498	100:1	1.5 kV	350	< 1.20	50	< 6	10 - 50	No	6.6ft (2.0m)
6501	10:1	300 V	350	< 1.00	10	< 12	8 - 45	No	4ft (1.2m)
6492	10:1	300 V	350	< 1.00	10	< 12	8 - 45	Yes	4ft (1.2m)

#### Replacement Accessory Kit: 6550

##### Kit includes:

- Retractable Hook Tip
- BNC Adapter
- IC Adapter
- Insulating Tip
- Trimmer Tool
- 6in (0.15m) Ground Lead with Alligator Clip
- Right-Angle Ground Lead Spring
- 1 ea. Rigid Probe Tip
- 1 ea. Spring Probe Tip

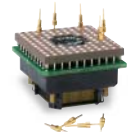
#### Oscilloscope Probe Tip Adapter Model# 6553



This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

#### Pomona adapters with 0.025in (0.635mm) pins

- 5360 6351 6442
- 5790 6352 6444
- 6311 6353 All "IC" test clips
- 6312 6490 6151
- 6313



- Rating:** Per IEC1010-2-031. Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V.
- Maximum input voltages are dependent on the oscilloscope input characteristics; take the lesser of the two specifications.
- Dependent upon oscilloscope input characteristics.
- Any oscilloscope that uses the Tektronix® style range actuator.

## Oscilloscope Probes and Accessories

### Microline Passive Oscilloscope Probes



500 MHz x 10 Passive Voltage Probe  
4ft (1.2m) cable, 500V peak

The perfect solution for accessing hard-to-reach test points, particularly fine pitch IC leads. The Microline Probe features a 500 MHz X10 passive voltage probe compactly designed for on-the-go field service or in the lab.

Tips can be replaced with Pomona 0.60in (1.52mm) probe tips, see page 67.

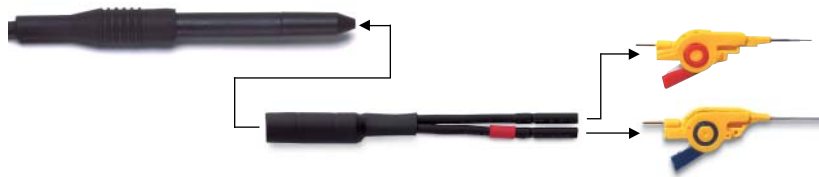
Model#	Probe Ratio	Maximum Input Voltage CAT I <sup>1</sup>	System Bandwidth MHz (-3 dB)	System Rise time (ns)	Probe Input Resistance (M W)	Probe Input Capacitance (pF)	Compensation Range (pF)	Readout Actuator <sup>4</sup>	Cable Length
6551	10: 1	500 V	500	< 0.70	10	< 10.5	8 - 20	Yes	4ft (1.2m)
6554	10: 1	500 V	500	< 0.70	10	< 10.5	8 - 20	No	4ft (1.2m)

#### Replacement Accessory Kit: 6552

##### Kit includes:

- Retractable Hook Tip
- BNC Adapter
- IC Adapter
- Insulating Tip
- Trimmer Tool
- 6in (0.15m) Ground Lead with Alligator Clip
- Right-Angle Ground Lead Spring
- 1 ea. Rigid Probe Tip
- 1 ea. Spring Probe Tip

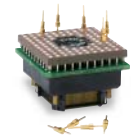
#### Oscilloscope Probe Tip Adapter Model# 6553



This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test pins and grabbers using 0.025in (0.635mm) connection pins.

Pomona adapters with 0.025in (0.635mm) pins

- 5360 6351 6442
- 5790 6352 6444
- 6311 6353 All "IC" test clips
- 6312 6490 6151
- 6313



1 **Rating:** Per IEC1010-2-031. Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V.

4 Any oscilloscope that uses the Tektronix® style range actuator.



### Insulated Oscilloscope Probes for Portable Applications



These passive voltage oscilloscope probes provide additional safety for portable instrument users. Pomona's Insulated Probes provide insulation coverage for the entire probe including the BNC connector. A spring-loaded sheath covers the tip ground point. Compensation point in BNC end.

- Offered in two styles:  
6006 Fixed Attenuation X10.  
6035 Switchable Attenuation X1/X10.
- Cable length 4ft (1.2m).
- Model 6033 is a set of two 6006 Probes (one red, one gray).

#### Accessories Included:

- Sprung Hook
- Trimmer Tool
- IC Tip
- Insulating Tip
- BNC Adapter
- Replacement Tip
- Ground Lead
- Sheathed Banana Plug Adapter

**Rating:** Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V from earth ground.

#### Replacement Accessory Kit

Model# 6034 - \*

\* Std. Colors: -2 Red, -8 Gray

Model#	Attenuation	Bandwidth (MHz)	Resistance (M $\Omega$ )*	Input Impedance Capacitance (pF)	Approx. Risetime (nS)	Voltage (V Max) †	Compensation Range (pF)
6006-*	X10	200	10	15	1.8	250	10-60
6033 (set)	X10	200	10	15	1.8	250	10-60
6035-*	X1/X10	20/200	1/10	47/15	17.5/1.8	250	10-60

\* -2 Red, -8 Gray

\*\* When connected to an oscilloscope with 1 M $\Omega$  input resistance.

† Derated with frequency.

### Active Differential Probe



Pomona Model 6731 differential voltage probe allows users to safely make floating high voltage measurements while using general purpose oscilloscopes. Using a built-in differential amplifier, the floating signal is converted and scaled to a low-voltage signal referenced to earth ground. The probe can be used on circuits associated with electronic high-power converters, motor speed controls, switching mode power supplies, and other high voltage circuits requiring isolation.

Features include switchable attenuation, high impedance to ground for both positive and negative side of the balanced input, and maximum differential voltage up to 1000V. The probe input uses shrouded banana test probe tip. The output to the oscilloscope is made with a BNC cable with a safety insulated BNC male connector.

#### Included with the 6731:

- Large Jaw Alligator clips (one red and one black).
- Pin-Grabber Test Clips (one red and one black).
- 9V Alkaline Battery.

#### Optional:

- Model 6732: Universal Power Adapter.

Input Characteristics	
Input Probe	Shrouded banana test probe
Input Cable Length	60in (1.5m)
Probe Ratio	20:1 / 200:1
Voltage to Ground	600V CAT III 1000V CAT II
Maximum Input	1000 Vdc
Maximum Differential	1000 Vrms
Input Voltage	1200V (DC + Peak AC)
Maximum Floating	600V Category III / 400 Hz
Voltage / Frequency	(from shielding to ground)
Probe Input Resistance	5 M $\Omega$ (input to shielding) 10 M $\Omega$ (input to input)
Probe Input Capacitance	6 pF (input to shielding) 5 pF (input to input)
Operating Temperature	+32°F to +122°F (0°C to +50°C)
Output Characteristics	
Output Cable	BNC cable
Output Cable Length	20in (0.5mm)
Output Voltage Range	$\pm$ 6.5V (into 1MW)
Accuracy	$\pm$ 2.5%
Bandwidth	DC to 20 MHz (-3 dB)
Risetime	17.5 ns
CMRR	20:1 @ 60Hz =>70dB 20:1 @ 1MHz =>40 dB 200:1 @ 60Hz => 80dB 200:1 @ 1 MHz =>50dB
Power	
9 V Alkaline Battery	8 hours operation. 400 hours in standby. Unit goes into standby mode after 30 minutes (battery mode only).
Model 6732 Optional Universal Power Adapter	For continuous operation

Oscilloscope Probes and Accessories

RF Detector (demodulator) Probe



Model# 5815

Model 5815 is a miniature RF Detector Probe intended for use with a wide range of oscilloscopes. This probe is very useful for measuring RF signals up to 800 MHz. It provides an output of 1 Vdc for an input of 1 Vrms sinewave.

**Diode Turn-On Voltage:** 200 mV.

**Input Capacitance:** 5 pF.

**Peak AC Input:** 50V.

**DC Isolation Incl. Peak AC:** 200V.

**Cable Length:** 4ft (1.2m).

1 Vdc output for input of 1 Vrms.

**Bandwidth:** 1 MHz - 400 MHz  $\pm$  3dB, 500 KHz - 1 MHz  $\pm$  4dB, 400 MHz - 800 MHz  $\pm$  4dB.

**Rating:** Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V from earth ground.

Replacement Accessory Kit

Model# 6092

Logic Scope Probe Kit For Analog Oscilloscopes



Model# 6004

Pomona's Model 6004 Logic Scope Probe Kit features a pocket-size MX9100 Logic Scope Probe that turns your analog scope into a logic analyzer. A cost-effective instrument for examining and analyzing single-shot and repetitive digital phenomena in the lab or in the field. And with its complement of grabber test leads and a BNC scope interface, the MX9100 Logic Scope Probe is the easy way to evaluate today's newest multifunction IC packages. The MX9100 Logic Scope Probe is packaged in a convenient all-in-one kit, including 11 test leads with Micrograbber<sup>®</sup> test clips. Also includes: External Trigger Cable Daisy Chain cable.

- 3-mode operation: logic analyzer, trigger probe, multiplexer (MUX).
- 20 MHz bandwidth covers most microcontroller frequencies.
- 8 ns minimum data setup and data hold-time.
- 100 k $\Omega$ /5pF input impedance.
- 800 kHz (approx.) internal clock frequency.
- Minimum/maximum input levels: low -0.5V to 0.8V, high -2.4V to 6.5V.
- 4.75V to 7V with 190 mA maximum supply current.

Micro SMD Grabber<sup>®</sup> Test Clip for 0.02in to 0.01in (0.5mm to 0.3 mm) Lead Pitch



Model#	Features	Qty
6311	Grabber	2/pk

- Use with PQFP packages with 0.02in to 0.01in (0.3mm to 0.5mm) lead pitch.
- Thin body allows an unlimited number of clips to be stacked side by side.
- Maximum frequency is 100MHz.
- Supplied with female to male flying leads.

**Material:** Nickel plated steel wire or stainless steel; *Body:* ABS

**Rating:** *Hands free testing* in controlled voltage environment: 45 Vac; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc.

Micro SMD Grabber<sup>®</sup> Test Clip with Long Tip for 0.03in to 0.02in (0.8mm to 0.5 mm) Lead Pitch



Model#	Features	Qty
6312	Grabber w/long tip	2/pk

- Use with PQFP packages with 0.01in (0.5mm) lead pitch or greater.
- 0.51in (13mm) long tip allows access to hard to reach IC leads.
- Thin body style allows an unlimited number of clips to be stacked side by side.

- Maximum frequency is 100MHz.
- Supplied with female to male flying leads.

**Material:** Teflon<sup>™</sup> coated; *Tip:* nickel plated steel wire or stainless steel; *Body:* ABS

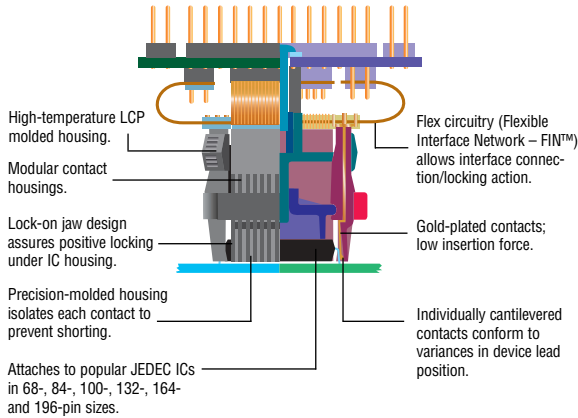
**Rating:** *Hands free testing* in controlled voltage environment: 45 Vac; *For CE compliance:* not intended for hand held use at voltages above 33 Vrms/70 Vdc.

# IC Test Clips and Adapters

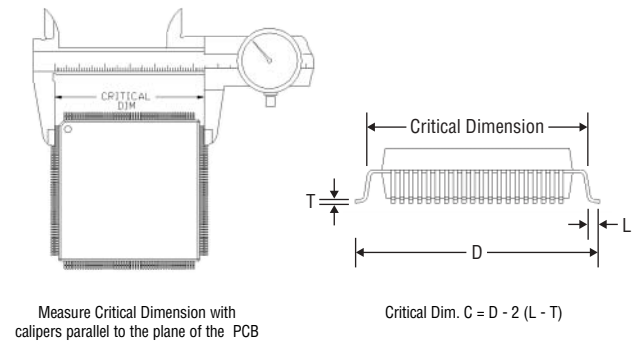
Innovative solutions. POMONA's IC Test Clips – designed for your chip. Uniquely designed for testing surface mount devices – easily, securely and successfully. Low-profile fine-pitch chips, densely populated boards, or vertical boards, POMONA test clips connect you with confidence.



## Pomona® JEDEC IC Test Clip Features



## How to Measure or Calculate the Critical Dimension for Your QFP Test Clip



## Test Clip Selection Made Easy

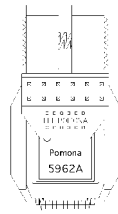
To select the Pomona IC Test Clip specifically designed for your chip, find the table for your chip type and follow the selection procedure outlined in this section.



### JEDEC QFP

To find your JEDEC QFP test clip, turn to the JEDEC QFP table on page 80 and reference the following characteristics of your target chip:

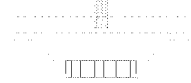
1. Number Of Leads
2. Body Size



### SSOP/QSOP

To find your SSOP/QSOP test clip, turn to the SSOP/QSOP table on page 80 and reference the following characteristics of your target chip:

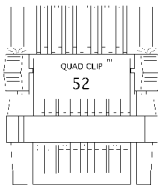
1. Lead Pitch and Body Size
2. Number Of Leads
3. Locking Feature (see Fig. 1, 2 & 3, page 80)



### Metric QFP

To find your Metric (EIAJ) QFP test clip, turn to the Metric QFP table on page 81 and reference the following characteristics of your target device.

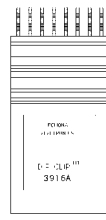
1. Number of leads
2. Body size
3. Lead pitch
4. Critical dim. (See below)
5. Test Clip features desired (Fig. 1 - 4, page 88)



### PLCC

To find your PLCC Quad Clip® test adapter, turn to the PLCC table on page 81 and reference the following characteristics of your target chip:

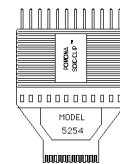
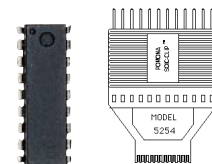
1. Number Of Leads
2. Body Size



### DIP

To find your DIP test clip, turn to the DIP table on page 82 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Test Clip Contact Style (see Fig. 1 & 2, page 82)



### SOIC/SOJ

To find your SOIC Clip® test clip, turn to the SOIC/SOJ table on page 82 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Confirm Body Width Compatibility
3. For Lower and Top Test Clip Width (see Fig. 1, 2 & 3, page 82)

IC Test Clips and Adapters

JEDEC PQFP Test Clips



Fig. 1

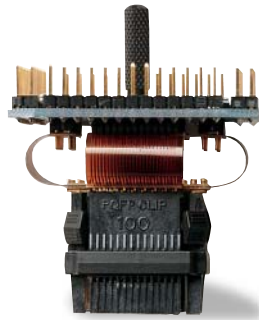


Fig. 2

Model#	No. Leads	Body Size	Typical Applications	Fig.
5713	100	0.75in X 0.75in (19.05mm x 19.05mm)	Intel 80C186EC, 80386SX,	1
5777			AMD 29205, 386EM, 386SXLP	2
5711	132	0.95in X 0.95in (24.13mm x 24.13mm)	Intel 80386DX, 80386EXS, 80960KA,	1
5780			Motorola DSP56002f, 561002, 68HC16	2

Pomona's JEDEC QFP test clips are designed to fit on surface-mounted plastic and ceramic JEDEC chips. Choose from three clip types designed to give you optimum functionality and ease of use for testing, troubleshooting and custom-design evaluation with logic analyzers and oscilloscopes.

**Lead Pitch:** 0.025in (0.635mm)

Flying leads available in 10 colors.  
(\* -0 thru -9)

**Fig. 1:** The basic JEDEC QFP test clip is designed for use on densely-populated boards where space is at a minimum. Leads at the top of the clip are 0.022in x 0.012in (0.56mm x 0.30mm) and are spaced 0.075in (1.9mm) apart. Clip leads can be accessed with special flying leads: model 5745-\*

**Fig. 2:** Pomona's most popular JEDEC QFP test clip features a large board with 0.025in (0.635mm) pins at 0.100in x 0.100in (2.54mm x 2.54mm) spacing for easy connection to logic analyzers and oscilloscopes. The board is elevated to avoid other board components near the target chip. Flying leads available, model 5746-\*

SSOP/QSOP Test Clips

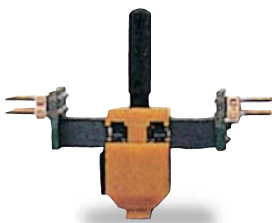


Fig. 1

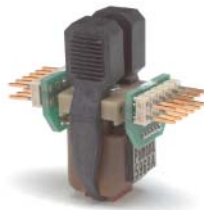


Fig. 2



Fig. 3

Model#	No. Leads	Lead Pattern	Body Size	Lead Pitch	Pkg. Type	Typical Applications	Fig.
5969	20	10+10	0.21in (5.3mm)	0.026in (0.65mm)	SSOP	TI SN74ABT245, IDT 74FCT244, Maxim MAX153	1
5969A						2	
5972	24	12+12	0.21in (5.3mm)	0.026in (0.65mm)	SSOP	IDT 74FCT244TPY, Phillips 80C751, MAXIM MAX120, MAX153	1
5972A						2	
5893	48	24+24	0.3in (7.62mm)	0.025in (0.65mm)	SSOP	TI ABT16244, ACT16245	3
5894	56	28+28	0.3in (7.62mm)	0.025in (0.635mm)	SSOP	IDT FCT16223, FCT162511	3

With Pomona's SSOP and QSOP test clips, technicians can now access all of the leads on popular low-profile, fine-pitch SSOP and QSOP chips. Each clip has 0.025in (0.635mm) sq. pins at 0.100in x 0.100in (2.54mm x 2.54mm) spacing to allow connections with jumpers or Pomona's flying leads.

**Fig. 1:** Clip is located and held with a cantilevered plastic guide that holds the ends of the chip under test. Ideal for densely-populated boards, this clip can attach onto a chip that is spaced only 0.050 (1.27mm) away from an adjacent board component.

**Fig. 2:** Clip features spring-loaded fingers to attach easily and hold firmly onto the ends of the chip. Clip fingers are opened by finger pressure on the upper handles. A clearance of 0.125in (3.17mm) is required at the ends of the chip under test.

**Fig. 3:** Clip features spring-loaded contact housings that clamp onto the side of the chip body. Gold-plated contacts are individually cantilevered to maintain positive connections. User interface provides 0.025 (0.635mm) sq. pins at 0.10 (2.54mm) centers.

**Lead Pitch:** 0.025in (0.635mm)

Model 5746-\* Flying Leads for PQFP Test Clips available (\* -0 thru -9)

Pomona offers a wide variety of Micro-SMD Grabber® Test Clips for use in testing fine pitch PQFP devices. See pg. 72 for complete selection.



### Metric QFP Test Clips



Fig. 1: Press-on clip

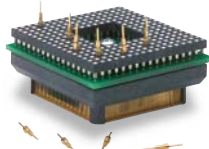


Fig. 2: PGA interface\*

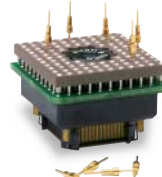


Fig. 3: Clip with locking fingers\*



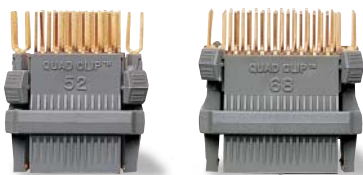
Fig. 4: Clip with internal locking feature

Model#	No. Leads	Body Size	Lead Pitch	Max. Height	Critical Dim. †	Typical Applications	Fig.
5961	44	0.39in x 0.39in (10mm x 10mm)	0.03in (0.80mm)	0.13in (3.4mm)	0.48in (12.3mm)	Motorola 68HC11	1
5961-2					0.46in (11.6mm)	NEC µPD71054, Altera EPM70320C44	1
5888	64	0.55in x 0.55in (14mm x 14mm)	0.03in (0.80mm)	0.13in (3.4mm)	0.64in (16.3mm)	Intel 82078, Phylon PHY1002	1
5888-2					0.61in (15.6mm)	Motorola 68HC05, Hitachi H8/3714	1
5751	80	0.55in x 0.79in (14mm x 20mm)	0.03in (0.80mm)	0.13in (3.4mm)	0.64in x 0.88in (16.3mm x 22.3mm)	Intel 80C186XL, Cirrus Logic CL-SH260, Adaptec ALC-6360Q	1
5751L							4
5751L-2					0.61in x 0.85 (15.6mm x 21.6mm)	AMD 80C186, AMD S80L188, Phillips 9XC1X0, AMD S80L186	1
5867-2		0.55in x 0.55in (14mm x 14mm)	0.26in (0.65mm)		0.61in (15.6mm)	Intel 80960SA, Hitachi H81350	*
5643	100	0.55in x 0.79in (14mm x 20mm)	0.26in (0.65mm)	0.13in (3.4mm)	0.64in x 0.88in (16.3mm x 22.3mm)	Motorola 68EC020F, AT&T 3042, Fujitsu MB86600	1
5643L							4
5643-2					0.61in x 0.85in (15.6mm x 21.6mm)	Altera EPM5130, Cirrus Logic CL-SH3620, Xilinx XC4003, Xilinx XC3042	1
5643L-2							4
6150		0.55in x 0.55in (14mm x 14mm)	0.02in (0.50mm)	0.06in (1.4mm)	0.59in (15.0mm)	TI TMS320C52	3
5868L	112	0.79in x 0.79in (20mm x 20mm)	0.26in (0.65mm)	0.13in (3.4mm)	0.83in (21.0mm)	Hitachi H8 / 510, H8 / 570, SH 7032	3
5868L-2					0.85in (21.7mm)	Motorola DSP56156	3
5644	120	1.10in x 1.10in (28mm x 28mm)	0.03in (0.80mm)	0.13in (3.4mm)	1.19in (30.3mm)	AMD AM29C960	1
5644-2					1.17in (29.6mm)	Lattice ispLSI1048, NEC µPD70236	1
5773-2	144	1.10in x 1.10in (28mm x 28mm)	0.26in (0.65mm)	0.13in (3.4mm)	1.17in (29.6mm)	Siemens SAB-C167, SGST STLC5444	1
6151		0.79in x 0.79in (20mm x 20mm)	0.02in (0.50mm)	0.06in (1.4mm)	0.83in (21.0mm)	Motorola 68302	3
5645	160	1.10in x 1.10in (28mm x 28mm)	0.26in (0.65mm)	0.13in (3.4mm)	1.19in (30.3mm)	Actel A1280, Emulex FAS256	1
5645L							4
5645-2					1.17in (29.6mm)	Altera EPF8452, Motorola MPC400,	1
5645L-2						Motorola MPC403	4
6152	176	0.94in x 0.94in (24mm x 24mm)	0.02in (0.50mm)	0.06in (1.4mm)	0.98in (25.0mm)	Intel 486SX	3
5770	208	1.10in x 1.10in (28mm x 28mm)	0.02in (0.50mm)	0.13in (3.4mm)	1.17in (29.6mm)	Intel 80486DX2E, Motorola MC68HC05, Actel A1480, Altera EPF8636, EPF8820	1
5770L							4
5770AL-4					1.17in (29.6mm)	Most Ceramic + Metal Packages	3
5770-4							4
5968C	240	1.26in x 1.26in (32mm x 32mm)	0.02in (0.50mm)	0.16in (4.0mm)	1.33in (33.8mm)	Motorola XC68360 Ceramic	2
5968P							2
5998A						Analog Devices ADSP-21060, LSI L1A7747, Altera EPF81188	2
5998AL						Xilinx XC4025-MQ240	3
5998A-1							2
5998AL-1							3
7048AL	304	1.57in x 1.57in (40mm x 40mm)	0.02in (0.50mm)	0.16in (4.0mm)	1.65in (41.8mm)	Altera EPF81500, VLSI VP12252-2, LSI L1A9349, NEC D75304GF	2
7056						Male to male adapter pins, Pkg. of 100	3
							2&3

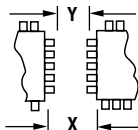
\* Includes male to male adapter pins

† For instructions on calculating the critical dimension, see page 66.

### PLCC Test Clips



	X Min.	Y Min.
Single Testing	0.120in (3.1mm)	0.110in (2.8mm)
Adjacent Testing	0.325 (8.3mm)	0.285 (7.2mm)



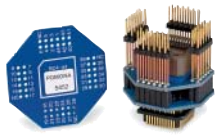
Pomona's low-cost Quad Clip® test clips quickly lock onto J-leaded PLCCs, providing easy access for testing surface-mounted devices. PLCC test clips attach to PLCC chips with a sliding cam that clamps onto the chip body. Access to chip leads is provided by 0.025in (0.635mm) pins at 0.100in (2.54mm) spacing. Pomona offers a Quad Clip® test clip to fit all currently available PLCC chip sizes.

Lead Pitch: 0.050in (1.27mm)

Model#	No. Leads	Lead Pattern	Body Size	Typical Applications
5279	20	5 X 5	0.36in X 0.36in (9.14mm x 9.14mm)	Intel 85C220
5280	28	7 X 7	0.46in X 0.46in (11.68mm x 11.68mm)	Intel 5C60, 85C224, Philips 8XC751, Raytheon TMC1173
5733	32	7 X 9	0.46in X 0.56in (11.68mm x 14.22mm)	AMD 29F040, Xicor X28TC256, Cypress CY7B991
5281	44	11 X 11	0.63in X 0.63in (16.00mm x 16.00mm)	AMD MACH110, 80C88, Seimens SAB-C501
5312	52	13 X 13	0.75in X 0.75in (19.05mm x 19.05mm)	Intel 87C196, 87C196, Motorola 68008
5401	68	17 X 17	0.95in X 0.95in (24.13mm x 24.13mm)	Intel 80C188, AMD MACH220, Hitachi H8/330
5402	84	21 X 21	1.15in X 1.15in (29.21mm x 29.21mm)	AMD MACH130, Altera EPF8452, Cirrus Logic CLi6005
5515A	20-84			PLCC Clip Kit containing 1 of each size PLCC Clip

IC Test Clips and Adapters

PLCC Pin Breakout



Use these test adapters to test socket mounted PLCC's. The PLCC test adapter is placed between the socket and the PLCC. 0.025in (0.635mm) square pins at 0.10in (2.54mm) spacing allow easy access testing for all leads of the PLCC. An overlay template provides easy pin identification.

Lead Pitch: 0.100in (2.54mm).

Model#	No. Leads
5451	28
5878	32
5452	44
5453	52
5454	68

PLCC Socket Interface



These PLCC cabled socket interfaces provide direct access to PC boards. Four 28 AWG ribbon cables, 18in (0.46m), allow you to create your own end connection for automated or manual testing.

Model#	No. Leads
5662	44
5663	52
5664	68
5665	84

DIP Test Clips



Fig. 1



Fig. 2

Model#	No. Leads	Chip Width	Contact Style	Contact Material	Typical Applications	Fig.
5108	8	0.3in (7.62mm)	Closed	Gold Plate		1
5208	8	0.3in (7.62mm)	Open	Gold Plate		2
5014	14	0.3in (7.62mm)	Closed	Nickel Silver		1
5214	14	0.3in (7.62mm)	Closed	Gold Plate		1
5114	14	0.3in (7.62mm)	Open	Nickel Silver		2
5314	14	0.3in (7.62mm)	Open	Gold Plate	Motorola 68HC11	2
3916A	16	0.3in (7.62mm)	Closed	Nickel Silver	Analog Devices AD7715	1
5116	16	0.3in (7.62mm)	Closed	Gold Plate		1
4236A	16	0.3in (7.62mm)	Open	Nickel Silver		2
5216	16	0.3in (7.62mm)	Open	Gold Plate		2
5120	20	0.3in (7.62mm)	Closed	Gold Plate	Intel 85C220	1
5220	20	0.3in (7.62mm)	Open	Gold Plate		2
4124A	24	0.6in (15.24mm)	Closed	Nickel Silver	Intel 85C224, 85C22C10	1
5124	24	0.6in (15.24mm)	Closed	Gold Plate	Mitsubishi M66251	1
4324A	24	0.6in (15.24mm)	Open	Nickel Silver		2
5224	24	0.6in (15.24mm)	Open	Gold Plate		2
4140A	40	0.6in (15.24mm)	Closed	Nickel Silver	Dallas DS80C320, Goldstar GM82V765B1, Phillips 87C575	1
5140	40	0.6in (15.24mm)	Closed	Gold Plate		2
4340A	40	0.6in (15.24mm)	Open	Nickel Silver		2
5240	40	0.6in (15.24mm)	Open	Gold Plate		2

Oxide Penetrating Dip Clips (Fig. 1)

No. of Model#	Pins
5649	8
5650	14
5692	16
5693	20
5694	24

Pomona DIP Test Clips provide fast, reliable and secure connections to socketed and through-hole DIP chips. Available in two styles, DIP Test Clips give you the option of full coverage of clip contacts for maximum durability or open contacts at the board level for easier access to chip leads.

14/16 pin DIP removers Model 4386

Fig. 1: Spring-actuated clip features gold-plated beryllium copper or spring-tempered nickel silver pins to assure positive contact in a firm wiping action for hands-free testing.

Fig. 2: Clip features same construction as Figure 1 except for an opening on the outside of the contact housing to permit probing while the clip is attached to the DIP.

SOIC/SOJ Test Clips



Fig. 1



Fig. 2



Fig. 3

SOIC Clip® test clips feature a narrow-profile design that makes testing SOIC and SOJ chips on densely-populated boards easier and safer.

Fig. 1: Spring-loaded SOIC Clip® attaches to target chip and holds on with spring pressure against the chip body. Contacts on top of the clip are 0.025in (0.635mm) pins at 0.10in (2.54mm) spacing. Designed to attach to surface-mounted chips with either gull wing or "J" leads.

Fig. 2: This 14-pin clip features a slider that presses the contact housings against the chip and provides a more secure connection

on surface mounted chips with gull wing or "J" leads. Compact design is ideal for testing on densely-populated boards.

Fig. 3: New 32-, 40- & 44-pin SOIC/SOJ test clip is a new design of the spring-loaded clip that features double-row .025 wire wrap pins for easy connection to ribbon cable. This clip will fit all SOIC/SOJ chips between 0.30in (7.62mm) and 0.60in (15.24mm) width.

Lead Pitch: 0.050in (1.27mm). Model 5746- \* Flying Leads for SOIC Clips available (\* -0 thru -9).

Model#	No. Leads	Lower Width (A)	Body Widths	Top Width (B)	Typical Applications	Fig.
5250	8	0.26in (6.60mm)	0.15in to 0.3in (3.81mm to 7.62mm)	0.430in (10.92mm)	Analog Devices AD834JR, Triquint TQ9122N	1
5251	14	0.410 (10.41mm)	0.15in to 0.3in (3.81mm to 7.62mm)	0.755in (19.18mm)	Motorola HCT08A, Philips 74HC125	1
5413	14	0.410 (10.41mm)	0.15in (3.81mm)	0.520in (13.20mm)	Harris HFSP43280, Goldstar GM76C256	2
5252	16	0.460 (11.68mm)	0.15in to 0.3in (3.81mm to 7.62mm)	0.830in (21.08mm)	Maxim MAX791, Microlinear ML6509, AMD 26LS31	1
5253	20	0.560 (14.22mm)	0.15in to 0.3in (3.81mm to 7.62mm)	1.030in (26.16mm)	Linear Tech. LT1130, Maxim MX7226, Motorola HCT373A	1
5254	24	0.660 (16.76mm)	0.15in to 0.3in (3.81mm to 7.62mm)	1.230in (31.24mm)	Altera EP610APC, Linear Tech. LT1130, Motorola MC22V10S	1
5437	28	0.760 (19.30mm)	0.15in to 0.3in (3.81mm to 7.62mm)	1.430in (36.32mm)	Texas Inst. SN74F32D, Altera EPM5032, Raytheon TMC1171	1
6107	32	0.870 (22.10mm)	0.30in to 0.60in (7.62mm to 15.24mm)	0.870in (22.10mm)	Toshiba TMPN3120, Hitachi HM628128, NEC D43100AGW	3
6108	40	1.070 (27.18mm)	0.30in to 0.60in (7.62mm to 15.24mm)	1.070in (27.18mm)	—	3
6109	44	1.170 (29.72mm)	0.30in to 0.60in (7.62mm to 15.24mm)	1.170in (29.72mm)	—	3
5514					SOIC Clip® Test Kit contains 1 each 8 - 28 pin clips	

# Static Control Products

Working with static sensitive devices? POMONA enables you to work with confidence when using our static control accessories. Whether you choose to purchase our selection of grounding systems or build your own ESD set-up, POMONA gives you a variety of individual accessories. Our accessories also make a perfect addition to our Test Companion Kits.



## Large Service Kit

Model# 6088



Provides a larger working area than Model 6087. This kit provides a static-safe 22in x 24in (558.8mm x 609.6mm) laminated red vinyl mat. The mat includes a 10mm snap socket and two 8in x 11in (203.2mm x 279.4mm) pockets. Carry those often used tools right with the mat. A common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead. An adjustable elastic wrist strap and a resistive coil cord complete the kit. Folds down to fit into your tool box.

## Static Control Patch Cord

Model#	Ext. Length	Color
6565-48-0	48in (122 cm)	Black
6565-180-0	180in (457 cm)	Black



Extra large alligator clip & stackable banana plug coiled patch cord has a one Megohm series resistor at alligator end for static control and cross-stacking and vertical stacking on banana plug end.  
**Jaw Opening:** 0.8in (20.32 mm).

## Field Service Kit

Model# 6087



A complete and durable service kit for static sensitive work. Features a static-safe 18in x 22in (460mm x 558.8mm) laminated red vinyl mat. The kit includes a mat with two 0.39in (10mm) snap sockets, common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead, an adjustable elastic wrist strap and a resistive coil cord. Folds down to fit into your tool kit.

Model# 6088 and 6087

**Mat Color:** Red.  
**Thickness:** 0.018in (0.46mm).  
**Surface Resistivity:** 108 to 109  $\Omega$  / Sq.  
**Volume Resistivity:** 109  $\Omega$  cm.  
**Static Decay:** 0.01sec 5000V to 0V 12%RH.

## Adjustable Elastic Wrist Strap Kit

Model# 6082



A complete wrist strap kit features adjustable elastic wrist strap. Also included: Resistive Coil Cord (1M $\Omega$  resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

## Adjustable Metal Wrist Strap Kit

Model# 6084



Complete wrist strap kit features the adjustable metal wrist strap. Also included: Resistive Coil Cord (1M $\Omega$  resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

## Wrist Strap Tester

Model# 6086



Test any wrist strap connected to utility ground with a simple touch. The tester has two Banana Plug Sockets for Wrist Strap cord attachments. Once connected, the user simply touches the unit and a green light and audible sound indicate a proper ground. (Audible indicator has selectable on or off).

The tester can be mounted near your work area with Velcro® strips (supplied) or, using an integral button 10mm snap stud, attached directly to your static-safe work mat. Powered by a 120 VAC wall adapter (supplied), the tester has a "Power on" indicator. It is practical for both a quick test or as a continuous ground point connection. UL listed.

Touch Type On-Demand Tester and Common Point Ground.

## Adjustable Speidel® Twist-O-Flex® Wrist Strap

Model# 6083



or users who prefer a metal wrist strap with one size fits all adjustability. Featuring the Speidel® Twist-O-Flex® band which will not pinch or pull hair. Made of non-allergenic stainless steel, each link has a 0.08in (2mm) PVF film laminated on top for electrical insulation. Quick and easy adjustment without tools, the wrist strap will fit most users. A standard 0.16in (4mm) snap stud allows attachment to resistive coil cords.

**Material:** Band - Stainless steel / PVF Insulation.

**Cover:** Thermoplastic

**Wrist Circumference:** 5.5in to 13.0in (139.7mm x 330.2mm)

**Width:** 0.63in (16.0mm).

## Telecom Products

Accuracy and repeatability – Pomona connects to the telecom industry with an impressive selection of test accessories. Ideal for network testing, troubleshooting, leave-in-the-line patching, or system prototyping, POMONA's traditional reliability adds up to the quality connection telecom professionals demand.



### Universal DSX-3 Test Kit

Model# 6568



- Ideal for OSP/CO technicians.
- Kit reduces the need for multiple cables to service and test DSX-3 panels.
- Adapters quickly convert BNC cables to Mini or Standard WECO interfaces.
- Cables are color coded blue (transmit) and red (receive) for ease of testing.
- Strain reliefs are molded directly to the cable and BNC plugs for added pull strength.
- Test Companion pouch allows for convenient accessory storage.

**Kit includes:**

- One blue BNC Male Cable Assembly
- One red BNC Male Cable Assembly
- Four Standard WECO to BNC Adapters
- Four Mini-WECO to BNC Adapters
- Test Companion Shoulder Pack

### True 75Ω BNC Male Cable



Model#	Length
6510-V-12-0	12in (0.3m)
6510-V-24-0	24in (0.6m)
6510-V-36-0	36in (0.9m)
6510-V-48-0	48in (1.2m)
6510-V-60-0	60in (1.5m)
6510-V-72-0	72in (1.8m)

BNC connectors are perfectly matched to 75Ω impedance for superior VSWR & return loss performance.

Ideal for digital video and telecommunication applications.

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type, Black.

### True 75Ω BNC Cable (Transmit/Receive)



Model#	Length	Color
6510-V-72-2	72in (1.8m)	Red
6510-V-72-6	72in (1.8m)	Blue

Cable and Strain Relief are color coded red and blue for easy identification of transmit and receive lines.

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type.

### BNC Male to Bantam Plug Cable



Model#	Length
6517-96	96in (2.4m)

**Cable Type:** RG59 Type.  
**Bantam:** Nickel plated brass.

### 75Ω BNC Male to Standard WECO Connector Cable



Model#	Length
6516-96	96in (2.4m)

**Cable Type:** RG59 Type.

### BNC Male to WE310 Plug Cable



Model#	Length
6518-96	96in (2.4m)

**Cable Type:** RG59 Type.  
**WE310:** Brass.

### BNC Female to Mini/Standard TO WECO Plug Adapters



Model#	Plug Type
6519	Mini WECO
5008	Std. WECO

Permits BNC male to be used with equipment having Std. WECO or Mini WECO plugs.

**Rating:** Hands free testing in controlled environment: 500 Vrms\*, +216°F (+102°C) max.

### BNC Female to WE309/WE310 Plug Adapters



Model#	Plug Type
2798	WE310
1794	WE309

**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°) max.

### Mini-WECO Plug Patch Cord



Model#	Length
6502-96	96in (2.4m)

**Cable Type:** RG59 Type.

### BNC Female to Bantam Plug Adapters



Model#	4719
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**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°) max.  
Convert Bantam style jacks to BNC.

### Standard WECO Plug Patch Cord



Model#	Length
6507-96	96in (2.4m)

**Cable Type:** RG59 Type.

### 75Ω BNC Male to WECO Connector Cable



Model#	Length
6515-96	96in (2.4m)

**Cable Type:** RG59 Type.



\*see rating message at start of section.

## Telecom Products

### Mini-WECO Connector to Standard WECO Connector

Model#	Length
6514-96	96in (2.4m)

**Cable Type:** RG59 Type.



### Bantam Plug to Minigrabber® Test Clips

Model#	Length
5019-60	60in (1.5m)

Model#	Length
5019N-60	60in (1.5m)

**Bantam Plug:**  
5019: Unplated brass.  
5019N: Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*, +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded cable, 0.180in (4.57) O.D.



### Bantam Plug Patch Cord

Model#	Length
4279-12	12in (0.3m)
4279-24	24in (0.6m)
4279-36	36in (0.9m)
4279-48	48in (1.2m)
4279-60	60in (1.5m)
4279-72	72in (1.8m)
4279-96	96in (2.4m)
4279-120	120in (3.0m)

Model#	Length
4279N-12	12in (0.3m)
4279N-24	24in (0.6m)
4279N-36	36in (0.9m)
4279N-48	48in (1.2m)
4279N-60	60in (1.5m)

**Bantam Plug:**  
4279: Unplated brass.  
4279N: Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*, +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded Twisted Pair, 0.180in (4.57mm) O.D.



### Bantam Plug to Double Banana Plug

Model#	Length
6523-96	96in (2.4m)

**Bantam Plug:** Nickel plated brass.  
**Cable Type:** RG59 Type.



### Bantam Plug to Wire Wrap Terminals (Female)

Model#	Length
6322-96	96in (2.4m)

**Bantam Plug:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.  
Test cable accesses terminal block pins.



### Bantam Plug to Two Alligator Clips

Model#	Length
5026-36	36in (0.9m)
5026-60	60in (1.5m)

Model#	Length
5026N-36	36in (0.9m)
5026N-60	60in (1.5m)

**Bantam Plug:**  
5026: Unplated brass.  
5026N: Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 150 Vrms\*, +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded Microphone, 0.180in (4.57) O.D.



### Bantam Plug to Three Alligator Clips

Model#	Length
6321-96	96in (2.4m)

**Bantam Plug:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 150Vrms\*.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.



### Bantam Plug to Micrograbber® Test Clips

Model#	Length
4778-60	60in (1.5m)



**Bantam Plug:** Unplated brass.  
**Rating:** Hands free testing in controlled environment: 150 Vrms\*, +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded cable, 0.180in (4.57mm) O.D.

### Bantam Plug to Double Banana Plug, Balanced Line

Model#	Length
4281-36	36in (0.9m)
4281-48	48in (1.2m)
4281-60	60in (1.5m)



**Bantam Plug:** Unplated brass.  
**Rating:** Hands free testing in controlled environment: 500V Peak\*, +131°F (+55°C) max.  
**Cable Type:** 2 Conductor Shielded Microphone, 0.180in (4.57mm) O.D.

### Bantam Plug to RJ11 Connector Cable

Model#	Length
6323-96	96in (2.4m)



**Bantam Plug:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.



### Dual Bantam Plug to 2 Alligator Clips

Model#	Length
6329-96	96in (2.4m)



**Bantam Plug:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.

### Bantam Plug to RJ48/RJ45 Connector Cable

Model#	Length
6324-96	96in (2.4m)



**Bantam Plug:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.  
**Pin Out:** 4-Ring, 5-Tip.

### Two Single Bantam Plugs To RJ48/RJ45 Connectors

Model#	Length
6320-96	96in (2.4m)



**Bantam Plug:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*.  
**Cable Type:** 2 and 4 Conductor Shielded Twisted Pair. Bantam "Y" (Tx and Rx) to RJ48 modular plug.  
**Pin out:** 1-Ring, 2-Tip, 4-Ring, 5-Tip.

### Dual Bantam Plug to 4 Alligator Clips

Model#	Length
6330-96	96in (2.4m)



**Bantam Plug:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 150 Vrms\*.  
**Cable Type:** 4 Conductor Shielded Twisted Pair.

### Dual Bantam Plug to WE310 Plug Patch Cable

Model#	Length
6328-96	96in (2.4m)



**WE-310 and Bantam Plugs:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms.  
**Cable Type:** 4 Conductor Shielded Twisted Pair.

\*see rating message at start of section.

## Telecom Products

### WE310 PLUG PATCH CABLE



Model#	Length
2524-A-18	18in (0.46m)
2524-A-24	24in (0.6m)
2524-A-36	36in (0.9m)
2524-A-48	48in (1.2m)
2524-A-60	60in (1.5m)

Model#	Length
2524-J-18	18in (0.46m)
2524-J-24	24in (0.6m)
2524-J-36	36in (0.9m)
2524-J-48	48in (1.2m)
2524-J-60	60in (1.5m)

**WE-310 Plug:** 2524: Unplated brass.

**Rating:** Hands free testing in controlled environment: 300 Vrms\*.

**Cable Type:** 2 Conductor Shielded Twisted Pair, 0.231in (5.84mm) O.D., or 2 Conductor Twisted Pair.

### Bantam Plug to WE310 Plug Patch Cable



Model#	Length
4280-36	36in (0.9m)
4280-48	48in (1.2m)
4280-60	60in (1.5m)
4280-72	72in (1.8m)
4280-96	96in (2.4m)
4280N-36	36in (0.9m)
4280N-48	48in (1.2m)
4280N-60	60in (1.5m)

**WE310 and Bantam Plugs:**  
4280: Unplated brass.  
4280N: Nickel plated brass.

**Rating:** Hands free testing in controlled environment: 300 Vrms\*, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Shielded Twisted Pair, 0.180in (4.57mm) O.D.

### Bantam (Female) to WE310 Plug Adapter



Model#	Plating
4993	Unplated
6315	Nickel

**Plug Body:** Brass.

3 Conductor adapter. Converts bantam cable into a WE310 plug-end patch cable.

### Dual Bantam Plug Patch Cable



Model#	Length
6331-96	96in (2.4m)

**Bantam Plugs:** Nickel plated brass.

**Rating:** Hands free testing in controlled environment: 300 Vrms\*.

**Cable Type:** 4 Conductor Shielded Twisted Pair.

### Bantam of WE310 Plug to Binding Post



Model#	Plug Type
2112	WE310
5001	Bantam

**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°C) max.

Adapts Bantam or WE310 style equipment to binding posts and double banana plugs.

### WE310 Plug to Double Banana Plug Cable



Model#	Length
6524-96	96in (2.4m)

**Cable Type:** RG59.

### WE310 Plug to Double Banana Plug, Balanced Line



Model#	Length
2977-J-36	36in (0.9m)
2977-J-48	48in (1.2m)
2977-J-60	36in (0.9m)

**WE310 Plug:** Unplated brass.

**Spring:** Nickel plated beryllium copper.

**Rating:** Hands free testing in controlled environment: 500V Peak\*, +131°F (+55°C) max.

**Cable Type:** 2 Conductor Shielded Microphone, 0.180in (4.57mm) O.D.

### WE310 Plug to Two Alligator Clips



Model#	Length
3352-A-36	36in (0.9m)
3352-A-60	60in (1.5m)
3352-A-84	84in (2.1m)

Model#	Length
3352N-A-36	36in (0.9m)
3352N-A-60	60in (1.5m)
3352N-A-84	84in (2.1m)

**WE310 Plug:**

3352: Unplated brass.  
3352N: Nickel plated brass.

**Rating:** Hands free testing in controlled environment: 150 Vrms\*, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Twisted Pair, 0.250in (6.35mm) O.D.

### WE310 Plug to Minigrabber® Test Clips

Model#	Length
4812-J-60	60in (1.5m)



**WE310 Plug:** Unplated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*, +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.

### 66 Block Adapter to Alligator Clip

Model#	Length
6336-96	96in (2.4m)



**Rating:** 300 Vrms.  
 284-1 plug connects to punch down pins on 66 blocks and RJ21's.  
**Wire:** 18 AWG, silicone insulation.

### Two Single WE310 Plugs to 9-Pin Male Connector

Model#	Length
6317-96	96in (2.4m)



**WE310 Plugs:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*.  
**Cable Type:** 2 and 4 Conductor Shielded Twisted Pair.  
 310 "Y" (Tx and Rx) to 9 pin (male) connector.  
**Pin Out:** 1-Tip, 2-Ring, 3-Tip, 4-Ring, 9-Shield.

### Piercing Clips to Sheathed Banana Test Leads

Model#	Clip Type	Length
6483-48-*	Bed of Nails and Single Needle	48in (1.2m)
6485-48-*	Bed of Nails	48in (1.2m)
6487-48-*	Single Needle	48in (1.2m)
6528-48-*	Row of Points and Single Needle	48in (1.2m)



Pierces 19 to 26 AWG Wire.  
**Wire:** 18 AWG Silicone Test Lead Wire.  
 For use with DMM's from Fluke, Wavetek (Meterman), Amprobe, Greenlee and others.  
**Colors:** -0 Bk, -2 Red, -4 Yellow, -5 Green, -6 Blue.

### Two Single WE310 Plugs to RJ48/RJ45 Plug

Model#	Length
6316-96	96in (2.4m)



**WE310 Plugs:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*.  
**Cable Type:** 2 and 4 Conductor Shielded Twisted Pair.  
 310 "Y" (Tx and Rx) to RJ48 modular plug.  
**Pin out:** 1-2-4-5 (4 Conductor), 4-5 (2 Conductor).

### Piercing Clips to Bantam Plugs Patch Cord

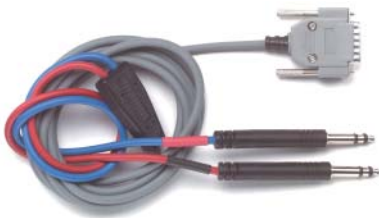
Model#	Clip Type	Length
6484-60	Bed of Nails and Single Needle	60in (1.52m)
6486-60	Bed of Nails	60in (1.52m)
6488-60	Single Needle	60in (1.52m)
6529-60	Row of Points and Single Needle	60in (1.52m)



**Cable:** Two Conductor Twisted Pair.  
**Breakout Wire:** 18 AWG.

### Two Single WE310 Plugs to 15-Pin Male Connector

Model#	Length
6318-96	96in (2.4m)



**WE310 Plugs:** Nickel plated brass.  
**Rating:** Hands free testing in controlled environment: 300 Vrms\*.  
**Cable Type:** 2 and 4 Conductor Shielded Twisted Pair.  
 310 "Y" (Tx and Rx) to 15 pin (male) connector.  
**Pin Out:** 1-Tip, 2-Shield, 3-Tip, 4-Shield, 9-Ring, 11-Ring

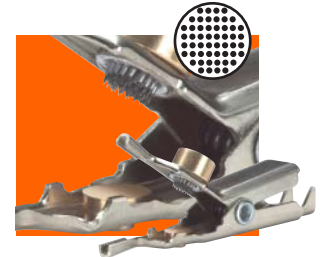
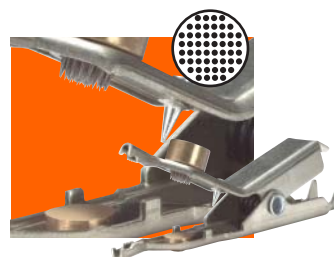
### Piercing Clip Styles for Test Leads and Patch Cords

#### Bed of Nails/Single Needle

Small wire and single penetration of heavier wire.

#### Bed of Nails

Small wire penetration.



\*see rating message at start of section.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

## Telecom Products

### BNC Female to WE310 Phone Plug

**Model# 2798**



**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°C) max.

### BNC Female to Mini-WECO

**Model# 6519**



**Rating:** Hands free testing in controlled environment: 500V Peak\*, +216°F (+102°C) max.

Permits BNC male to be used with equipment having mini-WECO jacks. Video plug equivalent to WE-090.

### BNC Female to Bantam Phone

**Model# 4719**



**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°C) max.  
Convert Bantam style jacks to BNC.

### BNC Female to Standard WECO Plug Adapter

**Model# 5008**



**Rating:** Hands free testing in controlled environment: 500V Peak\*, +216°F (+102°C) max.

Permits BNC male to be used with equipment having standard WECO jacks.

Video plug equivalent to WE-090.

### Bantam Phone Jack to WE310 Phone Plug

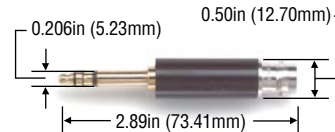
**Model# 4993**



**Rating:** Hands free testing in controlled environment: 500V Peak\*. Use cords with Bantam style plugs on equipment with WE-310 jacks.

### BNC Female to WE309 Phone Plug

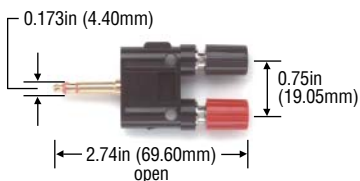
**Model# 1794**



**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°C) max.

### Stackable Binding Posts to Bantam Phone Plug

**Model# 5001**

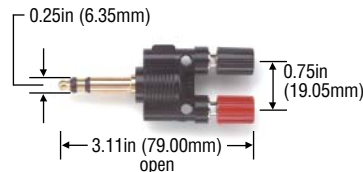


**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°C) max.

Adapts Bantam style equipment to binding posts and double banana plugs.

### Stackable Binding Posts to WE310 Phone Plug

**Model# 2112**



**Rating:** Hands free testing in controlled environment: 500V Peak\*, +122°F (+50°C) max.



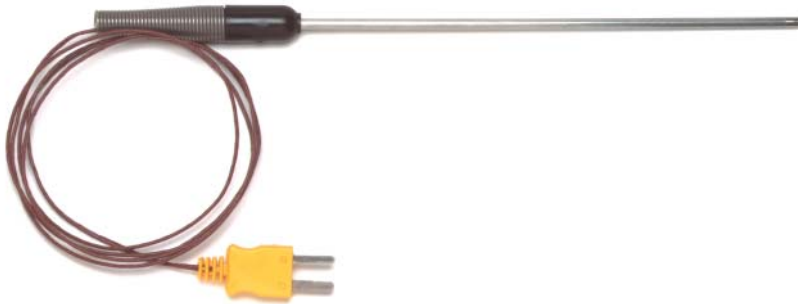
# Temperature Probes

POMONA connects you to quality temperature readings with a versatile selection of interchangeable J, K, T and E-Type thermocouple probes designed to fit a variety of applications.

All of these probes are compatible with K-type digital thermometers or DMM's with a temperature function. For instruments that do not have a mini-connector input, use the banana plug adapter – Model# 6369.



## General Purpose Temperature Probe with Round Tip



Model#	Calibration
6367	K-Type

General purpose probe for gas, air, gel and liquid measurements.

**Measurement Range:** -40°F to 500°F (-40°C to 260°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

**Probe Length:** 6in (152.4mm); O.D. 0.125in (3.18mm).

**Cable Length:** 48in (1.22m).

## Air Sensor Temperature Probe



Model#
6374

Designed for air and gas measurements. Features a radiant heat shield. Probe tip is 304 stainless steel. Not for immersion in liquids.

**Measurement Range:** -320°F to 1500°F (-196°C to 815°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

**Probe Length:** 8in (0.2m); O.D. 0.188in (4.78mm).

**Cable Length:** 48in (1.22mm)

K-Type.

## Extended Range General Purpose Temperature Probe



Model#
6373

General purpose probe for gas, air, gels and liquid measurements.

**Measurement Range:** -320°F to 1994°F (-196°C to 1090°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

**Probe Length:** 8in (0.2m); O.D. 0.125in (3.18mm).

**Cable Length:** 48in (1.22m).

K-Type.

## Temperature

### Extended Length Temperature Probe

Model#	Calibration
6371	K-Type
6543	J-Type



Conveniently attaches to our Mini-Connector Extension Cable (Model 6539 and 6379).

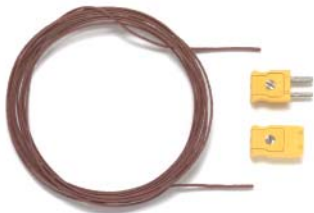
**Measurement Range:** -40°F to 2000°F (-40°C to 1093°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

**Probe Length:** 12in (0.3m); O.D. 0.070in (1.78mm).

### Thermocouple Extension Wire Kit

Model#	Calibration	Temp. Range
6540J	K-Type	-40° to 500°F (-40 to +260°C)
6540K	J-Type	-40° to 500°F (-40 to +260°C)

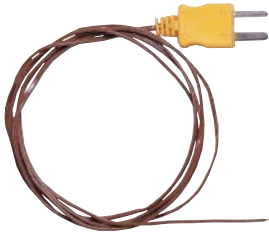


Kit includes one pair of mini-connectors (male and female) and thermocouple wire (unassembled).

**Length:** 118in (3m).

### Temperature Probe with Thermocouple Bead Tip

Model#	Calibration	Temp. Range
6378	K-Type	-40° to 500°F (-40 to +260°C)
6536	J-Type	+32° to 500°F (0°C to +260°C)
6537	T-Type	+32° to 500°F (0°C to +260°C)
6538	E-Type	+32° to 500°F (0°C to +260°C)



General purpose probe for air and surface measurements.

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%

**Cable Length:** 39in (0.99m).

### Thermocouple with Self-adhesive Backing

Model#	Calibration	Length	Temp. Range
6542J-48	J-Type	48in (1.22m)	-4° to 392°F (-20 to +200°C)
6542K-48	K-Type	48in (1.22m)	-4° to 392°F (-20 to +200°C)
6542J-96	J-Type	96in (2.44m)	-4° to 392°F (-20 to +200°C)
6542K-96	K-Type	96in (2.44m)	-4° to 392°F (-20 to +200°C)



Designed for fast surface temperature measurements.

Self-adhesive backing for easy placement and removal.

Available in J and K-Calibrations.

### Surface Temperature Probe

**Model# 6376**



Ideal for measuring surface temperatures in a lab or more rugged environment.

**Measurement Range:** 32°F to 500°F (0°C to 260°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

**Probe Length:** 4in (0.10m); O.D. 0.125in (3.18mm).

**Cable Length:** 48in (1.22m).  
K-Type.

### Do-It-Yourself Male Mini-Connector

Model#	Calibration	Temp. Range
6372	K-Type	-40° to 500°F (-40 to +260°C)
6559	J-Type	-40° to 500°F (-40 to +260°C)
6560	E-Type	-40° to 500°F (-40 to +260°C)
6561	T-Type	-40° to 500°F (-40 to +260°C)



Male mini-connector with Isothermal screw terminal for attachment to thermocouple wire (max. 20 AWG).

**Measurement Range:** -40°F to 400°F (-40°C to 204°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

### Do-It-Yourself Female Mini-Connector

Model#	Calibration	Temp. Range
6380	K-Type	-40° to 500°F (-40 to +260°C)
6562	J-Type	-40° to 500°F (-40 to +260°C)
6563	E-Type	-40° to 500°F (-40 to +260°C)
6564	T-Type	-40° to 500°F (-40 to +260°C)



Female mini-connector with Isothermal screw terminal for attachment to thermocouple wire (max. 20 AWG).

**Measurement Range:** -40°F to 400°F (-40°C to 204°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

### Double Banana Plug Adapter for K-Type Mini-Connectors

**Model# 6369**



Allows temperature probes with K-Type mini-connectors to be used with DMM's that are designed with a temperature measurement function from the banana jack input.

**Measurement Range:** 0°F to 220°F (-18°C to 104°C).

**Temperature Tolerance:** ±3.9°F (±2.2°C) or 0.75%.

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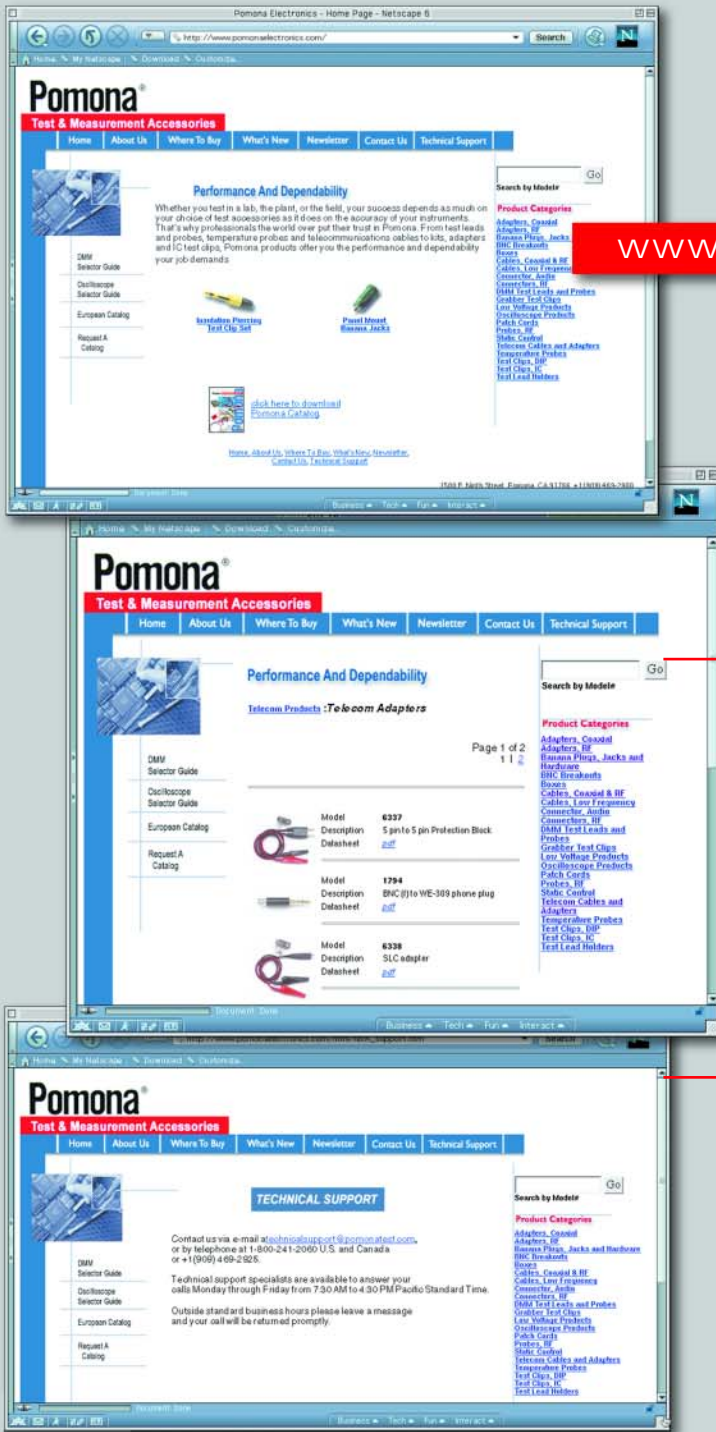
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#### In the United States:

POMONA Electronics  
9028 Evergreen Way  
Everett, WA 98204  
United States

[www.pomonaelectronics.com](http://www.pomonaelectronics.com)

Tel: 1-800-490-2361

Fax: 1-888-403-3360

Lit.#: 2074413 C-ENG-N Rev.A

#### In Europe:

POMONA Electronics  
P.O.Box 1186  
5602 BD Eindhoven  
The Netherlands

[www.pomona.cc](http://www.pomona.cc)

Tel: +31 (0) 40 2675 150

Fax: +31 (0) 40 2675 151

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