



SERIES 565

Wire to Wire / Wire to Board 2.5mm Pitch



- 2.5mm Pitch, Rated Current: 3A max
- Fully Waterproof Solution
- Available in Wire-to-Wire and Wire-to-Board Options
- Seals Preassembled into Housing; No External Sealing Required
- Available in 2, 3, or 5 Positions
- True Crimp and Poke Solution
- Waterproofing Cap available to Cover unused Positions
- Internal Polarization to Prevent Mismatching
- Available with wire already installed
- Waterproof Grade: IP67 Certified



Specifications:

No. of Positions	2, 3, 5
Pitch	2.5mm
Rated Voltage	250V
Rated Current	3A max
Withstanding Voltage	1000V AC (rms)
Contact Resistance	15 mΩ max
Insulation Resistance	1000 MΩ min./DC500V
Temperature Range	-40°C to +105°C
PCB Thickness	1.6mm

Materials:

Crimp & Poke	Housing	PBT, UL 94V-0
	Contact	Phosphor Bronze
PCB Header	Housing	PBT with Glass, UL 94V-0
	Contact	Brass
Contact Plating	Tin Plating	
Wire & Housing Seals	Silicone Rubber	
Waterproofing Cap	PBT, UL 94V-0	

Waterproofing Cap:

Part No.
565-200-100



Crimp Contact:

Male Contact (Pin)			
Part No	AWG#	Ins. Dia.	Pcs/Reel
565-290-731	20-22	Max. Ø1.7	8,000
565-290-711	22-28	Max. Ø1.6	8,000

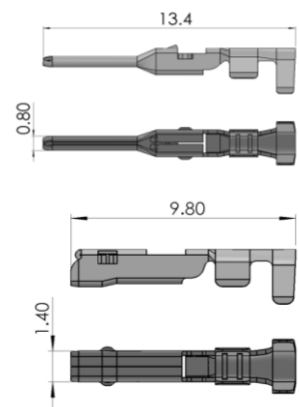
**Crimp Contacts are also available in strips of 60pcs. Contact EDAC for more information.

Female Contact (Socket)			
Part No	AWG#	Ins. Dia.	Pcs/Reel
565-290-741	20-22	Max. Ø1.7	8,000
565-290-721	22-28	Max. Ø1.6	10,000

**Wire seals, housing seals and retainers are already pre-assembled in the connector.

Rear Gasket (Wire Seal):

Applicable Contact	Wire O.D.	Color
565-290-711	Ø1.00 to Ø1.30	Yellow
565-290-731	Ø1.30 to Ø1.70	Orange



Ordering Code:

565-002-000-310

SERIES: _____
565, WIRE TO WIRE
WIRE TO BOARD

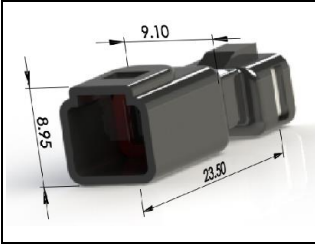
NO. OF CONTACTS: _____
002 - 2 CONTACTS
003 - 3 CONTACTS
005 - 5 CONTACTS

CONTACT CODE: _____
000 - NO CONTACTS (ONLY FOR CRIMP CONTACTS)
420 - BOARD MOUNT CONTACTS

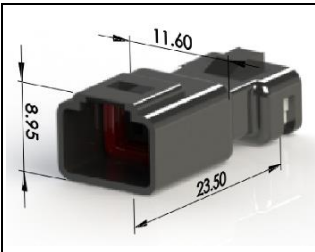
STYLE: _____
101 - BLACK MALE HOUSING (ONLY FOR BOARD MOUNT CONTACTS)
310 - BLACK MALE HOUSING FOR WIRE INSULATION (DIA 1.00-1.30)
311 - BLACK MALE HOUSING FOR WIRE INSULATION (DIA 1.30-1.70)
410 - BLACK FEMALE HOUSING FOR WIRE INSULATION (DIA 1.00-1.30)
411 - BLACK FEMALE HOUSING FOR WIRE INSULATION (DIA 1.30-1.70)

Male Housing:

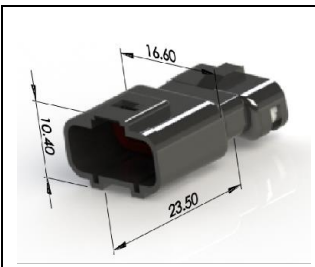
565-002-000-XXX



565-003-000-XXX

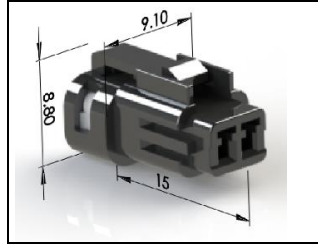


565-005-000-XXX

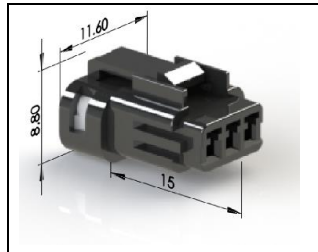


Female Housing:

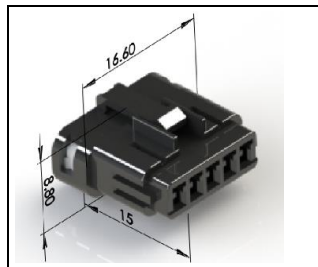
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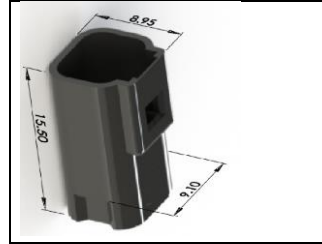


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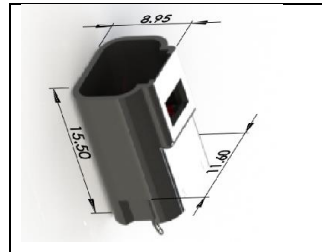


PCB Header

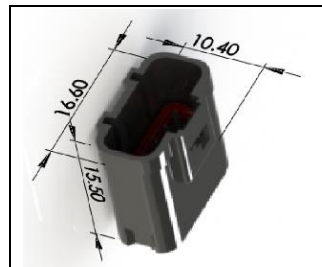
565-002-420-XXX



565-003-420-XXX



565-005-420-XXX



Male Housing:

Ø Wire Insulation	Housing Color	XXX
Ø1.00 to Ø1.30	Black	310
Ø1.30 to Ø1.70	Black	311

Female Housing:

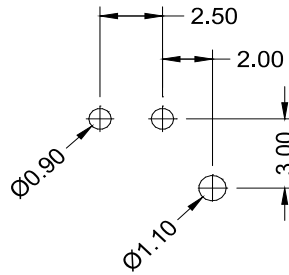
Ø Wire Insulation	Housing Color	XXX
Ø1.00 to Ø1.30	Black	410
Ø1.30 to Ø1.70	Black	411

PCB Header:

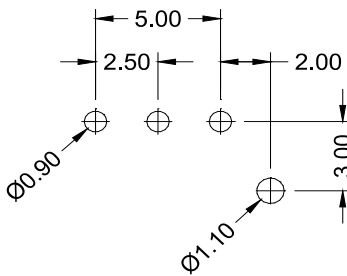
Housing Color	XXX
Black	101

Recommended PCB Layout

565 SERIES-2P



565 SERIES-3P



565 SERIES-5P

