

AFD57-10-6SN-1A [V0A1] ✓ ACTIVE

DEUTSCH

TE Internal #: YAFD57-10-6SNC1270

Standard Circular Connectors, Wire-to-Wire, 6 Position, Sealable, Wire & Cable, 7.5A Contact Current Rating (Max), Power & Signal

[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Wire**

Number of Positions: **6**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Contact Current Rating (Max): **7.5 A**

Features

Product Type Features

Product Type	Connector
Connector System	Wire-to-Wire
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Plug
Shell Type	Plug with RFI Fingers

Configuration Features

Number of Positions	6
Number of Power Positions	6
Number of Signal Positions	6
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	600 VAC
Voltage	1800 Vrms

Body Features

Shell Plating Material	Electroless Nickel
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Hard Dielectric/Silicone



Hermetically Sealed	No
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Contact Features

Contact Current Rating (Max)	7.5 A
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Reverse Gender	No
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Contact Layout Arrangement	18 – 14
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Circular Connector Contact Type	Socket
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Mechanical Attachment

Mating Retention Type	Bayonet
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Polarization Code	N
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Mating Alignment Type	Keyed
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Mating Retention	With
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Housing Features

Circular Connector Shell Size	10
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Alignment Keyed	Clocking
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Dimensions

Wire Size	.2 – .52 mm ²
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Usage Conditions

Operating Temperature Range	-55 – 200 °C[-67 – 392 °F]
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Operation/Application

Circuit Application	Power & Signal
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Shielded	Yes
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (1.2% in Contact Lead-Copper Alloy)
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Decamethylcyclpentasiloxane (D5) (5% in Insert Subassembly)

Article Safe Usage Statements:
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Yet Reviewed for halogen content

Solder Process Capability

Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 100503L
CONT SOC ASSY

Customers Also Bought



TE Part #33462
TERMINAL,SOLIS R 8 5/16



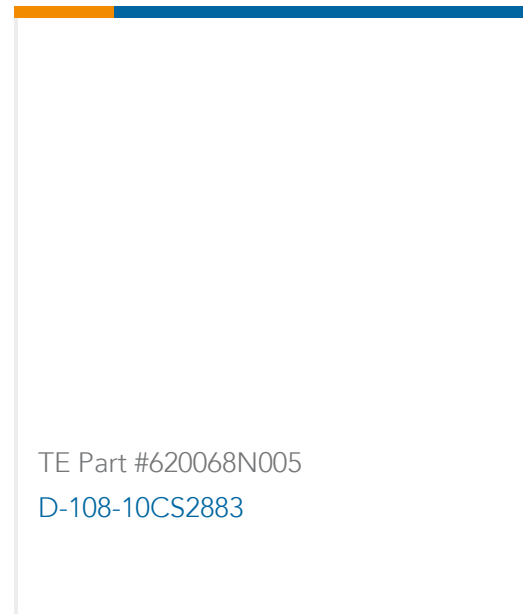
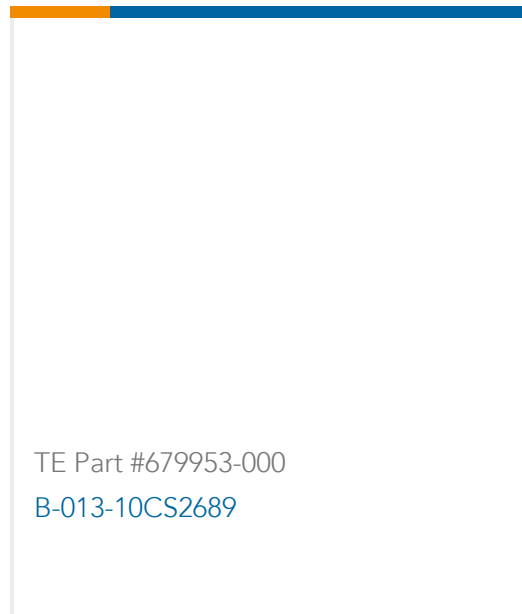
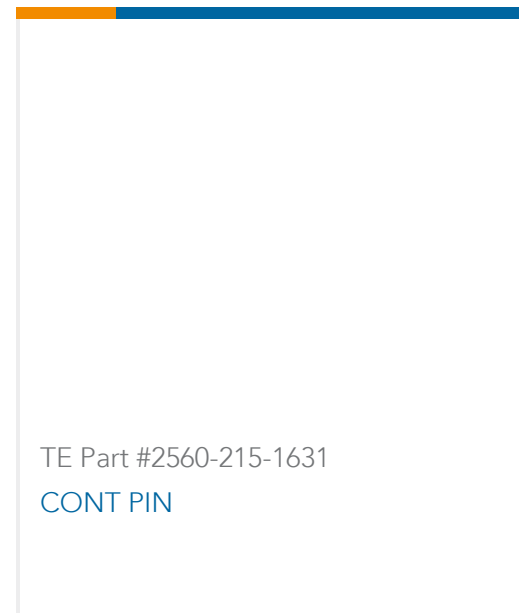
TE Part #34125
TERMINAL,SOLIS R 16-14 5/16



TE Part #50832-1
TERMINAL,PIDG PTFE R 22-20 10



TE Part #50845-1
TERMINAL,PIDG PTFE R 12-10 8



Documents

Product Drawings

[PLUG ASSY](#)

English

Datasheets & Catalog Pages

[DEUTSCH AFD Series Connectors](#)

English