



Connectors > Circular Connectors > Standard Circular Connectors



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

Connector Mounting Type: **Panel Mount**

Number of Positions: **39**

Sealable: **Yes**

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

Features

Product Type Features

Prewired	No
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Circular Connector Receptacle
Shell Type	Square Flange

Configuration Features

Number of Positions	39
Number of Power Positions	0
Number of Signal Positions	39
Contacts Preloaded	No

Electrical Characteristics

Operating Voltage	115 VDC
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Body Features

Environmental Protection Type	Elastomer Sealed
Primary Product Color	Natural



Shell Plating Material	Black Anodized
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Thermoset
Hermetically Sealed	No

Contact Features

Contact Current Rating (Max)	7.5 A, 13 A
Reverse Gender	No
Contact Layout Arrangement	20 – 39
Circular Connector Contact Type	Less Pin

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature Type	Square Flange
Connector Mounting Type	Panel Mount
Polarization Code	W

Housing Features

Circular Connector Shell Size	20
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Dimensions

Wire Size	20 – 24 AWG
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Usage Conditions

Operating Temperature Range	-65 – 200 °C[-85 – 392 °F]
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Operation/Application

Durability Rating	500 Cycles
Circuit Application	Power, Signal & High Speed Data
Shielded	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	



Current ECHA Candidate List: JUNE 2025
(250)
Candidate List Declared Against: JAN 2025
(247)
Does not contain REACH SVHC

Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 601967-1

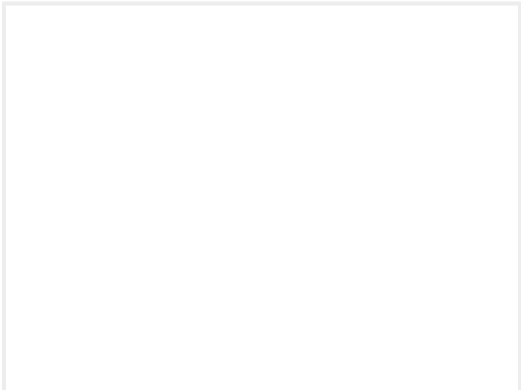
CRIMPING TOOL M22520/1-01

Customers Also Bought



TE Part #ZPF000000000001261

097-0267-16 A1267



TE Part #358279-000

382C312-50-01-0



TE Part #ZPF000000000007174

983-ORS 08-98 PN



TE Part #CAT-HST-BSTS

BSTS/BSTS-FR Heat Shrink Tubing



TE Part #1616058-6
A703CD (FAA/PMA)=RELAY

TE Part #1617147-5
JMGAP-26P = M39016/17-030P

TE Part #1617807-5
FC-335-SY8= RELAY, 3PST

TE Part #YDTS20Y13-98XNV001
HERM RECP

Documents

Product Drawings
FDBA 50-20-39 PW-K 090
English

Datasheets & Catalog Pages
DEUTSCH FDBA-HDBA Series
English