



Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 37

Connector Product Type: Connector Assembly

Operating Voltage: 250 VDC

Connector System: Wire-to-Board, Wire-to-Panel

Sealable: No

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Board, Wire-to-Panel
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Number of Positions	37
Number of Power Positions	0
Number of Signal Positions	37

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment



Panel Mount Feature Type	Flange with Mounting Holes
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling
Mating Alignment	With
Polarization Code	A
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	23

Dimensions

Assembly Length	30.71 mm[1.209 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Fluid Resistance	None

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	12
Packaging Method	Tray

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: JAN 2025
(247)
Candidate List Declared Against: JAN 2025
(247)
Does not contain REACH SVHC

Halogen Content

BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.

Solder Process Capability

Wave solder capable to 265°C

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 # 207055-1 EXTENDER BACK SHELL	 TE Part # 207774-4 CABLE CLAMP ASY,SZ 23,BULK PKG	 TE Part # 6-2407269-1 CAP, CPC, SIZE 23 RECP, ORANGE	 TE Part # 6-2407269-2 CAP, CPC, SIZE 23 RECP, BLACK
 TE Part # 206512-6 LARGE CABLE CLAMP KIT,BULK PKG	 TE Part # 207299-4 FLANGE PLUG	 TE Part # 6-2407269-3 CAP, CPC, SIZE 23 RECP, RED	 TE Part # 6-2407269-4 CAP, CPC, SIZE 23 RECP, YELLOW



TE Part # 796382-2
R/A STRN RELIEF KIT, SZ 23, CPC

TE Part # 206512-5
CLAMP, CABLE SHELL, SIZE 23

TE Part # 1546350-2
R/A CABLE CLAMP KIT, SZ 23, CPC

TE Part # 206138-8
CLAMP CBL SHELL SIZE 23

TE Part # 206305-1
CPC PLUG ASSEMBLY SIZE 23-37

TE Part # 1-206138-0
CABLE CLAMP ASSY, BULK PACKED

TE Part # 207774-3
CLAMP CABLE SHELL, SIZE 23

TE Part # 207890-5
CPC RECPT REV SEX 23-37

Also in the Series | AMP Circular Plastic Connectors

Circular Connector Backshells & Clamps(1)

Circular Power Connectors(211)

Connector Contacts(260)

Connector Hardware(10)

Power Contacts(260)

Sealing Sleeves(2)

Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

Customers Also Bought



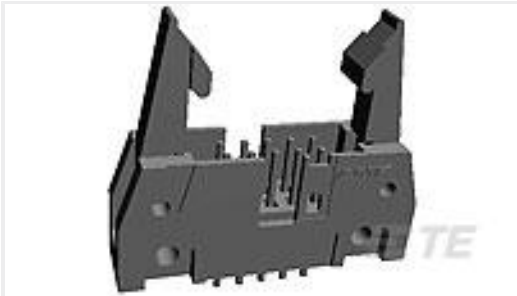
TE Part #350711-4
06P UMNL PIN HDR ASSY 94VO LF



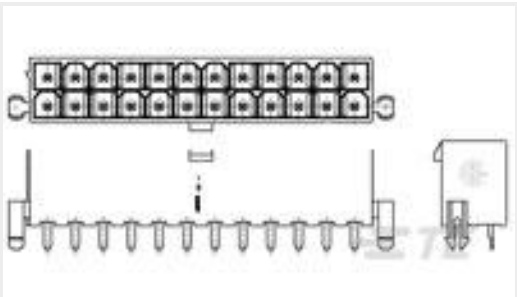
TE Part #1-66740-1
TYPE XII FEMALE CONT (STRIP)



TE Part #5-1437657-7
8PCV-02-006=#8 TRIBARRIER TERM



TE Part #5499922-1
A/L UNIV HDR 10P VERT LAT



TE Part #2-1586039-4
24P VAL-U-LOK VRT HDR W/P V2



TE Part #1658621-8
34 NOVO MIL/CTR 15DP,LEAD FREE



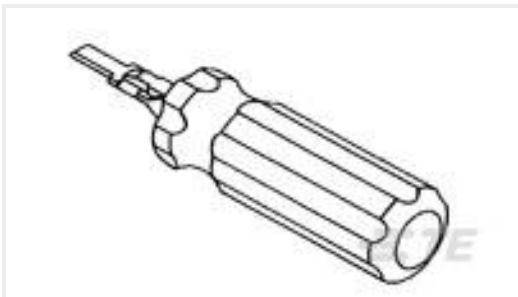
TE Part #499252-5
010 STRAIN RELIEF A-L RCPT



TE Part #5-103957-9
2X10 MTE RCPT SR LATCH .100CL



TE Part #3-644465-2
02P MTA156 CONN ASSY 18AWG
ORA



TE Part #91019-3
EXTRACTION TOOL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_207890-2_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_207890-2_S.3d_igs.zip



English

Customer View Model

[ENG_CVM_CVM_207890-2_S.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[AMP Circular Connectors for Commercial Signal & Power Applications](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English