



Connectors > Power Connectors > Circular Power > Circular Power Connectors



EU RoHS Compliance: **Compliant**
EU ELV Compliance: **Compliant**
Connector Product Type: **Connector Assembly**
Operating Voltage: **250 VDC**
Connector System: **Wire-to-Board, Wire-to-Panel**

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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

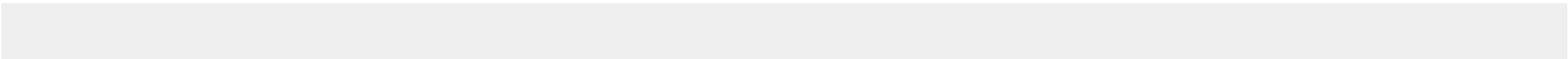
UL Flammability Rating	UL 94V-0
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Packaging Features

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 207774-3
CLAMP CABLE SHELL,SIZE 23



TE Part # 207774-4
CABLE CLAMP ASY,SZ 23,BULK PKG



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



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



TE Part # 206512-6
LARGE CABLE CLAMP KIT,BULK PKG



TE Part # 206138-8
CLAMP CBL SHELL SIZE 23



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



TE Part # 207299-4
FLANGE PLUG



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



TE Part # 207055-1
EXTENDER BACK SHELL



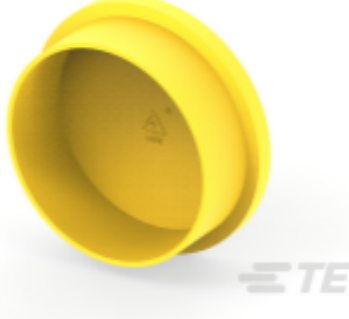
TE Part # 796382-2
R/A STRN RELIEF KIT,SZ 23,CPC



TE Part # 6-2407269-1
CAP, CPC, SIZE 23 RECP, ORANGE



TE Part # 6-2407269-2
CAP, CPC, SIZE 23 RECP, BLACK



TE Part # 6-2407269-4
CAP, CPC, SIZE 23 RECP, YELLOW



TE Part # 6-2407269-3
CAP, CPC, SIZE 23 RECP, RED

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

Also in the Series | AMP CPC



Circular Power Connectors(423)



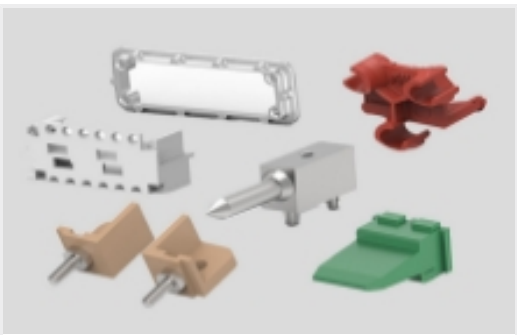
Connector Backshells(1)



Connector Caps & Covers(16)



Connector Contacts(6)



Connector Hardware(12)



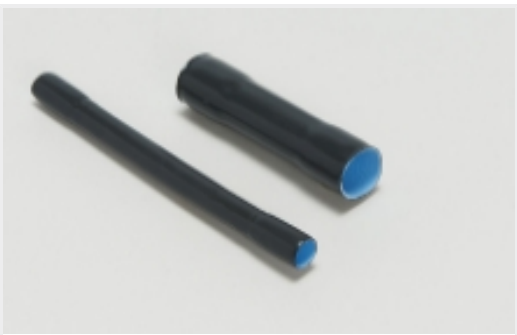
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)

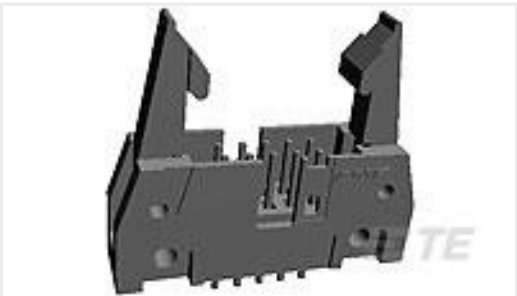


Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



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



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



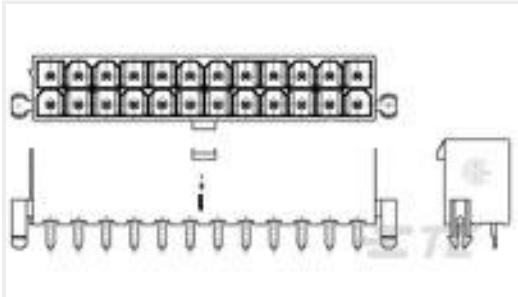
TE Part #1658621-8
34 NOVO MIL/CTR 15DP,LEAD FREE



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



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



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



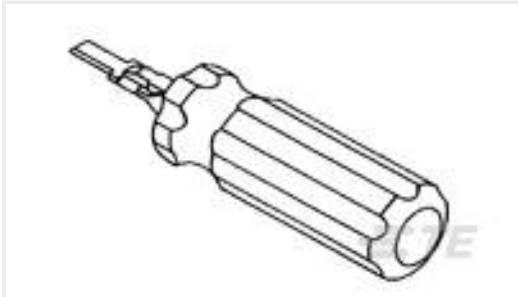
TE Part #5-1437657-7
8PCV-02-006=#8 TRIBARRIER TERM



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



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



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