



Connectors > Power Connectors > Circular Power > Circular Power Connectors



EU RoHS Compliance: **Compliant with Exemptions**

EU ELV Compliance: **Compliant with Exemptions**

Connector Product Type: **Connector Assembly**

Operating Voltage: **250 VDC**

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

Features

Other

EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

Product Type Features

Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	No
Connector & Housing Type	Receptacle
Circular Connector Shell Type	All Plastic

Configuration Features

Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	8

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	No
Contact Type	Pin
Contact Current Rating (Max)	7.5 A



Contact Protection	With
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Mechanical Attachment

Panel Mount Feature Type	Flange with Mounting Holes, Feedthrough
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling
Mating Alignment	With
Connector Mounting Type	Panel Mount
Mating Retention	With
Panel Mount Feature	With

Housing Features

Housing Color	Black
Housing Material	Thermoplastic
Circular Connector Shell Size	11

Dimensions

Assembly Length	26.29 mm[1.035 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	27
Packaging Method	Bag

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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)
SVHC > Threshold:
Pb (3.7% in Component Part)
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

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

Solder Process Capability

Not applicable 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 # 205838-1
CPC PLUG ASSEMBLY SIZE 11-8

TE Part # 206460-1
CPC PLUG ASSEMBLY SIZE 11-8

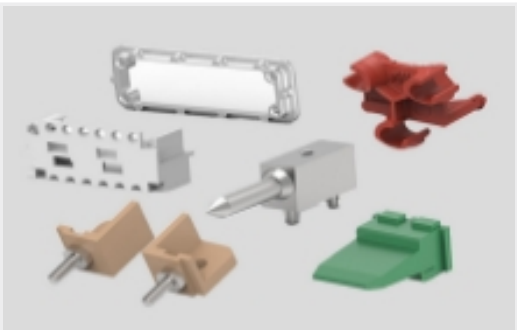
Also in the Series | AMP CPC

Circular Power Connectors(423)

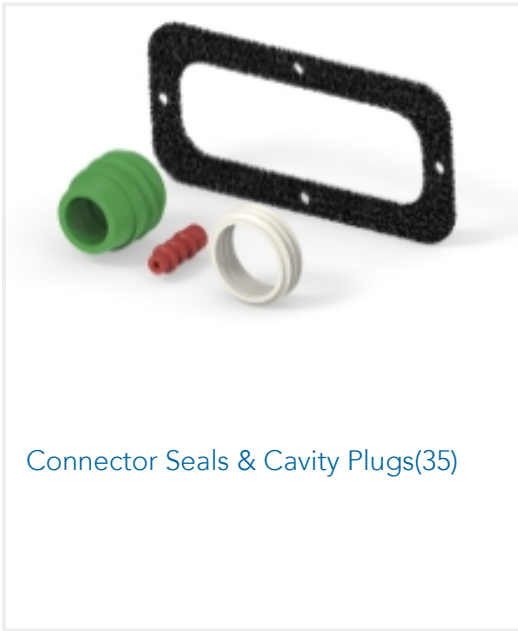
Connector Backshells(1)

Connector Caps & Covers(16)

Connector Contacts(6)



Connector Hardware(12)



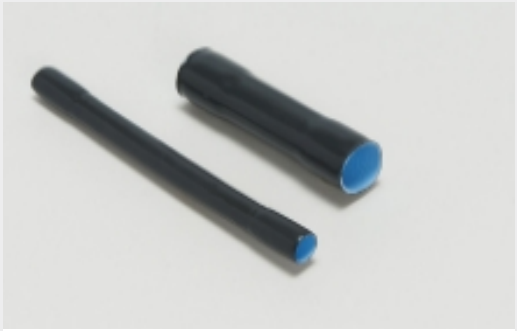
Connector Seals & Cavity Plugs(35)



Connector Strain Relief(60)



Insertion & Extraction Tools(1)



Sealing Sleeves(2)

Customers Also Bought



TE Part #206552-1
CPC RECPT ASSEMBLY SIZE 17-16



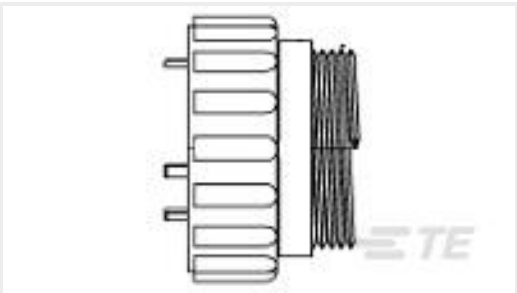
TE Part #205838-1
CPC PLUG ASSEMBLY SIZE 11-8



TE Part #205839-3
CPC PLUG ASSEMBLY SIZE 17-28



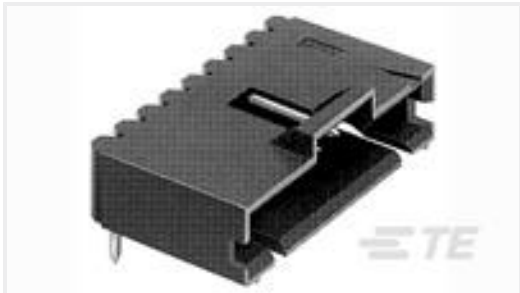
TE Part #206486-1
CPC RECPT ASSEMBLY SIZE 11-9



TE Part #206516-1
CPC PLUG ASSEMBLY SIZE 11-4



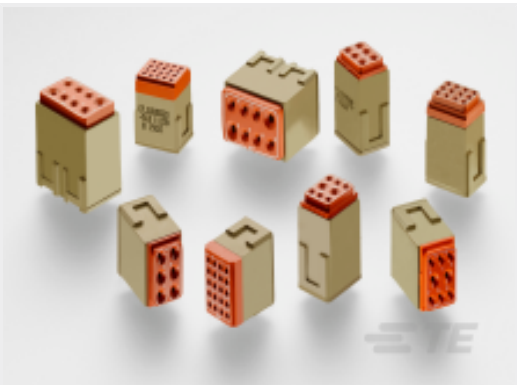
TE Part #1658613-4
09 POS HDF PLUG, MS, LEAD FREE



TE Part #6-103635-9
20 MTE HDR SRRA LTCH.100CL LF



TE Part #6-103908-9
20 MTE HDR SRST LATCH W/HLDWN



TE Part #YCTJ122E05EC015000
MODULE ASSY

Documents



Product Drawings

CPC RECPT ASSEMBLY SIZE 11-8

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_206458-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_206458-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_206458-1_E.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_206458-1_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_206458-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_206458-1_N.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

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

CSA Certificate

English

CSA Certificate

English