

TE Internal #: 1986377-2  
AMP CPC, Circular Power Connectors, Connector Assembly,  
Operating Voltage 250 VDC, Wire-to-Board / Wire-to-Panel, 7  
Position, Printed Circuit Board

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Connectors > Power Connectors > Circular Power > Circular Power Connectors



Connector Product Type: **Connector Assembly**  
Operating Voltage: **250 VDC**  
Connector System: **Wire-to-Board, Wire-to-Panel**  
Number of Positions: **7**  
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

Reverse Numbering	Without
Number of Positions	7
Number of Power Positions	0
Keying	A
Number of Signal Positions	7

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Reverse Gender	Yes
Contact Type	Socket
Contact Current Rating (Max)	13 A



Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Panel Mount Feature Type	Flange with Threaded Inserts
Connector Mounting Type	Panel Mount
Mating Alignment	With
Mating Retention	With
Panel Mount Feature	With
Mating Alignment Type	Keyed
Mating Retention Type	Threaded Coupling

Housing Features

Housing Color	Black
Housing Material	PA 6.6
Circular Connector Shell Size	13

Dimensions

Assembly Length	41.07 mm[1.617 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 Method	Tray
Packaging Quantity	36

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant



China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
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 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 # 211400-1  
CPC PLUG ASSEMBLY SIZE 13-7




TE Part # 1986377-1  
CPC PSTD RCPT,13-7, rev sex


Also in the Series | AMP CPC




Circular Connector Adapters(7)



Circular Connector Boots & Strain Relief(6)



Circular Connector Caps & Covers(16)



Circular Connector Hardware(3)



Circular Connector Keying Plugs(2)



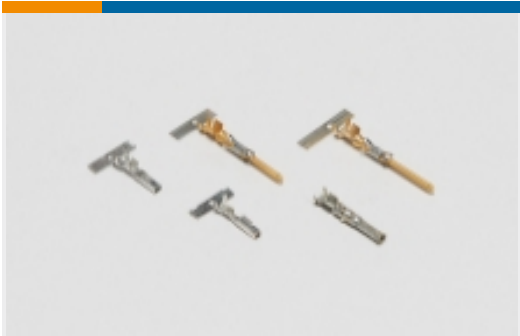
Circular Connector Seals(36)



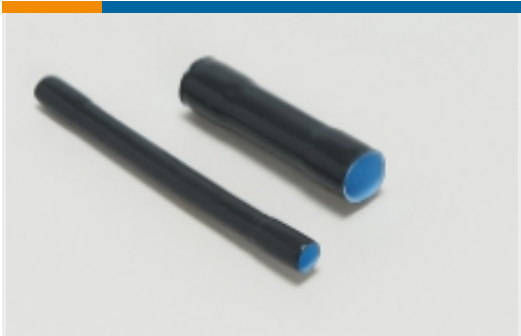
Circular Power Connectors(513)



Insertion & Extraction Tools(1)



Power Contacts(6)



Sealing Sleeves(2)



Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought



TE Part #1-213826-1  
CPC 17-9 PSTD RECEPT ASSY LF



TE Part #66504-4  
HD 20 DF SOCKET PLTD



TE Part #66506-4  
HD 20 DF PIN PLTD



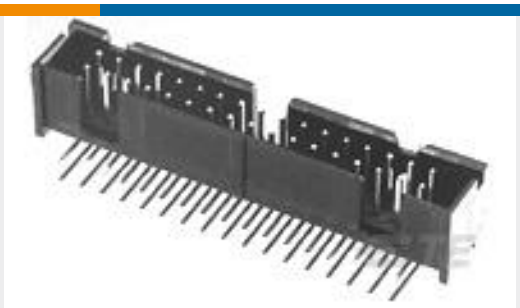
TE Part #1-6609037-1  
3EMC1=F8126



TE Part #1-1625984-0  
HSA50 150R 5%



TE Part #2-2176070-9  
3521 150R 1% 2W



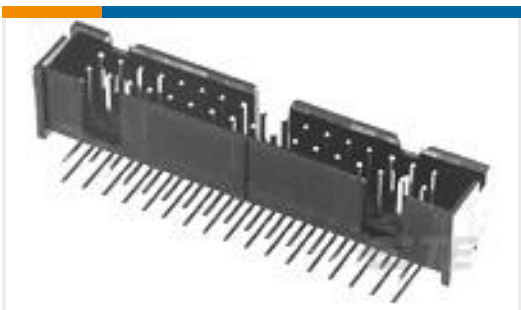
TE Part #5103310-8  
A/L LOW PRO HDR 40P RA BLACK



TE Part #2-66740-1  
TYPE XII FEMALE CONT (LP)



TE Part #1658622-2  
14 NOVO MIL/CTR 30DP, LEAD FREE



TE Part #103311-1  
010 LOPRO HDR RA 30DP

Documents





Product Drawings

CPC PSTD RCPT,13-7, rev sex

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1986377-2\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1986377-2\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1986377-2\_C.3d\_stp.zip

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English