



Connectors > Contacts > Connector Contacts > Pin and Socket Contacts, Type III, LP



Contact Type: **Pin**

Contact Mating Area Plating Material: **Precious Metal**

Wire Contact Termination Area Plating Material: **Gold**

Contact Retention Within Housing: **With**

Contact Size: **Size 16**

[All Pin and Socket Contacts, Type III, LP \(53\)](#)

Features

Contact Features

Mating Pin Diameter	1.57 mm[.062 in]
Contact Underplating Material Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Thickness	.8 – 1.4 µm[10 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.8 – 1.4 µm[30 µin]
Contact Mating Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Pin
Contact Mating Area Plating Material	Precious Metal
Wire Contact Termination Area Plating Material	Gold
Contact Retention Within Housing	With
Contact Size	Size 16



Contact Base Material	Brass
Contact Current Rating (Max)	13 A

Termination Features

Termination Method to Wire & Cable	Solder
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	With
-------------------------	------

Dimensions

Wire Size	.8 – 1.4 mm²
-----------	--------------

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Packaging Features

Packaging Quantity	1000
Packaging Method	Carton

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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # CAT-AM71-C83998C Circular Plastic Connector, CMC Series 1	 TE Part # CAT-AM71-C83998Y One-Piece Connector, Sealed, CPC Series 1	 TE Part # CAT-AM71-C83998J Cable/Panel Mount Connector, CPC Series 1	 TE Part # CAT-AM71-C83998K Circular Connector, Environmentally Sealed, CPC Series 6
 TE Part # 66181-1 III+ SKT,SOLDER,30AU,10AU FLASH,LP	 TE Part # 58495-2 PROCrimper Die Assy Multimate	 TE Part # 91505-1 CCII Type III+ 24-16 Assy	 TE Part # 200893-2 Insertion Tool Cont
 TE Part # 58495-1 Pro Crimper Assy Multimate	 TE Part # 539972-1 Extraction Tool	 TE Part # 305183 Extract Tool Type 2 20-16	

Also in the Series | AMP Type III+

 Connector Contacts(409)	 Insertion & Extraction Tools(4)
--	---



Customers Also Bought



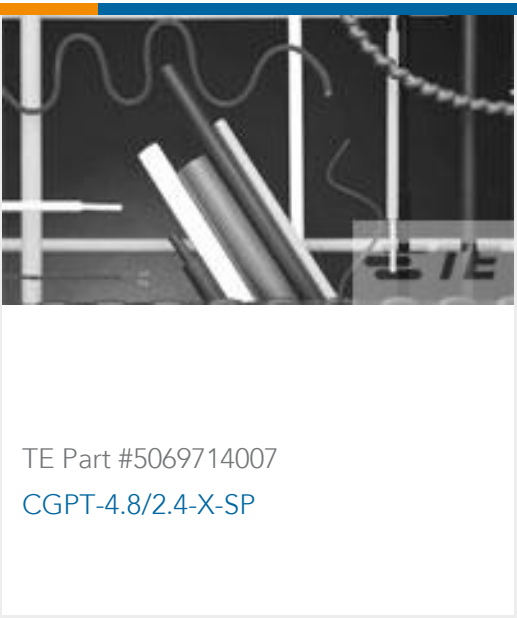
TE Part #213847-3
POWERBAND CONT ASSY,SILVER PLT



TE Part #206433-3
CPC RECPT ASSEMBLY SIZE 11-8



TE Part #211870-2
SEALING CAP ASSY,SZ 13,CPC



TE Part #5069714007
CGPT-4.8/2.4-X-SP



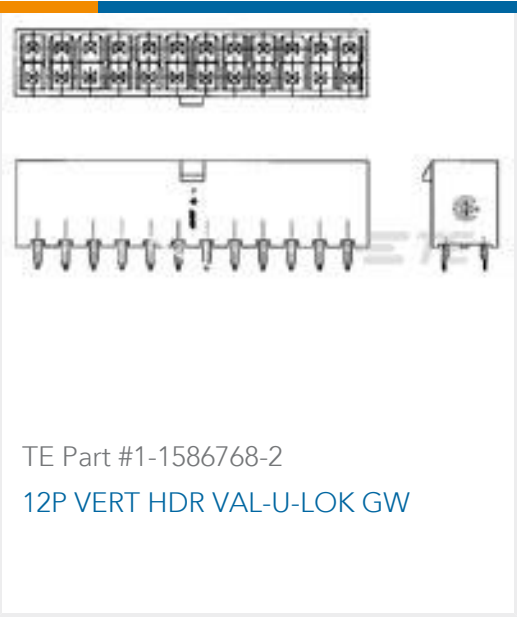
TE Part #413985-3
PLUG ASSY,STR,SMB



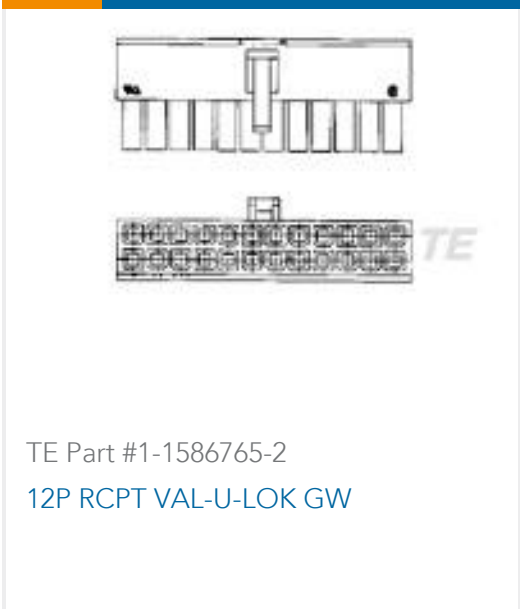
TE Part #5-1415036-1
PTML0024



TE Part #350713-4
12P UMNL PIN HDR ASSY 94VO LF



TE Part #1-1586768-2
12P VERT HDR VAL-U-LOK GW



TE Part #1-1586765-2
12P RCPT VAL-U-LOK GW

Documents

Product Drawings
III+ PIN,SOLDER,30AU,10AU FLASH,LP
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_66180-1_M.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_66180-1_M.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_66180-1_M.3d_stp.zip
English
3D PDF



English

Customer View Model

[ENG_CVM_66180-1_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_66180-1_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_66180-1_L.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

Signal Contacts

English

[M_SERIES_PIN_AND_SOCKET_CONNECTORS](#)

English

Product Specifications

[Application Specification](#)

English