



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



Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

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

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	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Mating Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Tin
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	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

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

Dimensions

Compatible Insulation Diameter Range	1.02 – 2.03 mm[.04 – .08 in]
Wire Size	.2 – .6 mm²

Usage Conditions

Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]
-----------------------------	---------------------------

Operation/Application

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

Packaging Features

Packaging Quantity	1000
Packaging Method	Carton, Loose Piece

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: JAN 2024 (240) 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 # 91515-1 CCII TYPE III+ MNL PIN SKT 30-20 ASSY	TE Part # 58495-2 PROCRIMPER DIE ASSY MULTIMATE	TE Part # 58495-1 PRO CRIMPER ASSY MULTIMATE	TE Part # 539972-1 EXTRACTION TOOL
TE Part # 305183 EXTRACT TOOL TYPE 2 20-16	TE Part # 91505-1 CCII TYPE III+ 24-16 ASSY	TE Part # 200893-2 INSERTION TOOL CONT	TE Part # 169400 CERTI-LOK FRAME W/O DIES

Also in the Series | AMP Type III+



Connector Contacts(409)

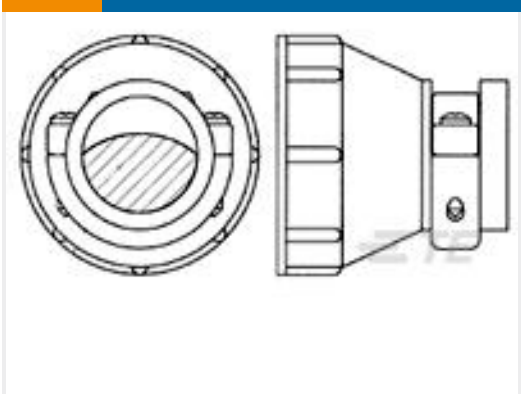


Insertion & Extraction Tools(4)

Customers Also Bought



TE Part #206305-1
Circular Connector, Environmentally Sealed, CPC Series 6



TE Part #182655-1
17 SIZE CPC STD CLAMP



TE Part #206153-1
Cable/Panel Mount Connector, CPC Series 1



TE Part #182649-1
17-14 CPC PLUG RS



TE Part #1-206062-4
CABLE CLAMP KIT #11



TE Part #206036-1
RECEPT,SZ 17-16 CPC

Documents

Product Drawings

III+ PIN,24-20,TIN,LP

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-66103-8_AL.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66103-8_AL.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-66103-8_AL.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