



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



Contact Type: **Socket**
Contact Mating Area Plating Material: **Gold**
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	.76 µm[30 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material Finish	Bright
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Socket
Contact Mating Area Plating Material	Gold
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	Solder Tab
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	Without
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Usage Conditions

Operating Temperature Range	-55 - 150 °C[-67 - 302 °F]
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Operation/Application

Circuit Application	Power & Signal
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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: JAN 2024 (240) 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 # 202236-7
III+PIN,SOLTAB,30AU>10,LP,SN

TE Part # 200893-2
INSERTION TOOL CONT

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 # 1-6609021-4
30VB6=F7355 S0

TE Part # 213823-2
CMC DUST CAP ASSM,SIZE 14

TE Part # 176295-1
UNIV POWER CAP HSG 6P P/MOUNT

TE Part # 176273-1
AMP UNIVERSAL POWR PLUG 4P



TE Part # 1-172211-2
12P CAP HSG F/H EI S CONN.

TE Part # 202237-4
III+ SKT,SOLTAB,TIN-LEAD,SMPAC

TE Part # 52284-4
TERMINAL,PIDG R OFS IR 22 6

TE Part # 2201855-3
MINI I/O PLUG KIT TYPE I LM MIX

TE Part # 176293-1
UNIV POWER CAP HSG 3P P/MOUNT

TE Part # 435238-5
COVER TYPE C, 8 POS

Documents

Product Drawings

III+SOC,SOLTAB,30AU>10,LP,SN

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_202237-7_T.2d_dxf.zip

English

Customer View Model

ENG_CVM_202237-7_T.3d_igs.zip

English

Customer View Model

ENG_CVM_202237-7_T.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_202237-7_W.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_202237-7_W.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_202237-7_W.3d_stp.zip

English



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- Datasheets & Catalog Pages
 - AMP Circular Connectors for Commercial Signal & Power Applications
 - English
 - Signal Contacts
 - English

- Product Specifications
 - Application Specification
 - English