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Contact Type: **Pin**
Contact Mating Area Plating Material: **Tin**
Wire Contact Termination Area Plating Material: **Tin-Lead**
Contact Size: **Size 16**
Wire Size: **24 – 20 AWG**

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	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Size	Size 16
Contact Base Material	Brass
Contact Current Rating (Max)	13 A

Termination Features

Termination Method to Wire & Cable	Crimp
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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	100
Packaging Method	Box, Loose Piece
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	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 (13% 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	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 # 91515-1 CCII TYPE III+ MNL PIN SKT 30-20 ASSY	 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	 TE Part # 169400 CERTI-LOK FRAME W/O DIES

Also in the Series | AMP Type III+

 Connector Contacts(409)	 Insertion & Extraction Tools(4)
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Customers Also Bought

 TE Part #1658615-4 09 POS HDF PLUG, AP, LEAD FREE	 TE Part #2-1437012-4 609-006-1=HDW IDC JACKSOCKET A	 TE Part #1658623-8 34 NOVO MIL 30DP, LEAD FREE	 TE Part #2-66105-0 III+ SKT,24-20,TIN,SMPACK
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TE Part #1-66105-6
III+ SKT,24-20,TIN-LEAD,SMPACK

TE Part #2-66104-9
III+ SKT,24-20,TIN,STRIP

TE Part #3-1437624-1
PKD70B1/4=KNOB PLASTIC W/SKIRT

TE Part #2329387-2
PB OFF/ON FC BLK M1 TERM RED LED IP68

TE Part #82-100A-C
NISO,LP,19MM,ABS,CONNECTOR

TE Part #ER6665-000
FEP-033-022-010-X-1.87IN-CS

Documents

Product Drawings

III+ PIN,24-20,TIN-LEAD,SMPACK

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-66103-5_AL.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66103-5_AL.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-66103-5_AL.3d_stp.zip

English

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

Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

Japanese

Instruction Sheet (U.S.)

English

1-66103-5

Pin Contact, Tin, Size 16 Contact Size, 24 – 20 AWG Wire Size, .2 – .6 mm² Wire Size, Crimp, Brass, Power & Signal, AMP Type III+

