1-66103-5 ✔ ACTIVE

AMP | AMP Type III+, Circular Plastic Connectors Series 1

TE Internal #: 1-66103-5

Tin (Sn), Pin Contact, 24 – 20 AWG, .2 – .6 mm² Wire, Size 16, Crimp, Brass, Power & Signal, -55 – 90 °C [-67 – 194 °F], AMP Type III+

View on TE.com >

Connectors > Contacts > Connector Contacts







Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin (Sn)**

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

Contact Size: **Size 16**

Wire Size: **24 – 20 AWG**

Features

Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin-Lead
Contact Size	Size 16
Contact Base Material	Brass
Contact Current Rating (Max)	13 A
Mating Pin Diameter	1.57 mm[.062 in]
Contact Mating Area Plating Material Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Thickness	1.27 µm[50 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]

Termination Features

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

Mechanical Attachment

Wire Insulation Support	With

Dimensions

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

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (13% in 4690948374) **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 < 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 # 169400
CERTI-LOK FRAME W/O DIES



TE Part # 305183
EXTRACT TOOL TYPE 2 20-16



TE Part # 58495-1
PRO CRIMPER ASSY MULTIMATE



TE Part # 91505-1
CCII TYPE III+ 24-16 ASSY



TE Part # 200893-2
INSERTION TOOL CONT



TE Part # 539972-1
EXTRACTION TOOL



TE Part # 58495-2
PROCRIMPER DIE ASSY MULTIMATE



TE Part # 91515-1
CCII TYPE III+ MNL PIN SKT 30-20 ASSY

Also in the Series | AMP Type III+



Connector Contacts(260)

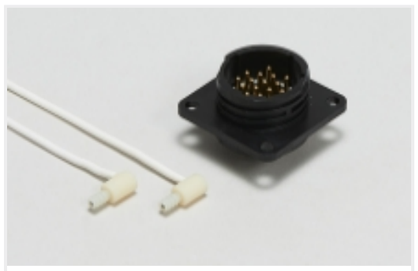


Insertion & Extraction Tools(4)



Power Contacts(260)

Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

Customers Also Bought



TE Part #K1060542
Relay 26-55-710



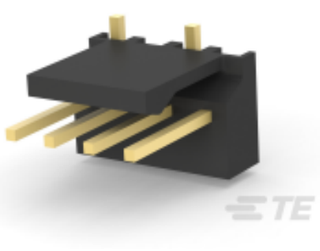
TE Part #K1021595
Relay 26-71-04



TE Part #66602-6
III+ PIN,18-14,TIN-LEAD,SMPACK



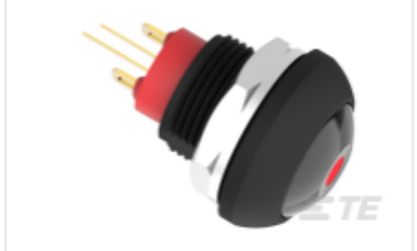
TE Part #208719-1
RECEPT ASSY,SZ 14,CPC



TE Part #3-1744163-4
04P MTA100 HDR ASSY SM 30AU LF



TE Part #1879061-7
CPF 0402 15R 0.1% 25PPM 5K RL



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



TE Part #6609104-4
PE0S0SS60=C1129

TE Part #K1162382
CIRRUS-FWD-MCU_Redesign 89-03-002

TE Part #K1162385
CIRRUS-AFT-MCU_Redesign 89-02-001

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.

Instruction Sheets

Instruction Sheet (U.S.)

Japanese

Instruction Sheet (U.S.)

English