1-66598-1 ✔ ACTIVE

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

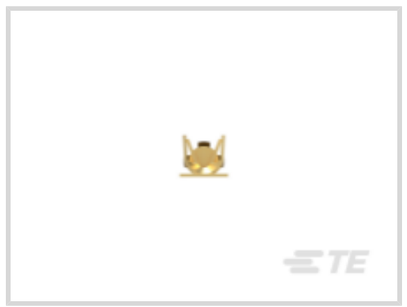
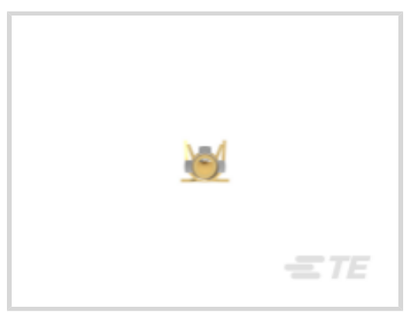
TE Internal #: 1-66598-1

Gold (Au), Socket Contact, 18 – 14 AWG, .8 – 2 mm² Wire, Size 16, Crimp, Copper Nickel Alloy, Power & Signal, AMP Type III+

View on TE.com >

Connectors > Contacts > Connector Contacts



Contact Type: **Socket**

Contact Mating Area Plating Material: **Gold (Au)**

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

Contact Retention Within Housing: **With**

Contact Size: **Size 16**

Features

Contact Features

Contact Type	Socket
Contact Mating Area Plating Material	Gold (Au)
Wire Contact Termination Area Plating Material	Gold
Contact Retention Within Housing	With
Contact Size	Size 16
Contact Base Material	Copper Nickel Alloy
Contact Current Rating (Max)	25 A
Mating Pin Diameter	1.57 mm[.062 in]
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Wire Contact Termination Area Plating Material Thickness	.12 – .2 µm[5 – 8 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Orientation	Straight
Contact Underplating Material	Nickel
Contact Underplating Material Thickness	.76 µm[30 µin]

Termination Features

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

Mechanical Attachment

Wire Insulation Support	With

Dimensions

Wire Size	.8 – 2 mm²
Compatible Insulation Diameter Range	2.79 – 3.81 mm[.11 – .15 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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 # 539972-1
EXTRACTION TOOL



TE Part # 213851-1
CPC PLUG ASSEMBLY SIZE 23-24



TE Part # 2151405-2
OCEAN_2.0_Applicator-S-090F155O-RSA



TE Part # 208714-1
CMC PLUG ASSEMBLY,SZ 14-7



TE Part # 208457-3
CMC PLUG ASSEMBLY,SZ 28-24



TE Part # 1977884-1
SLD CPC PLUG ASSY,13-9,STD SEX, UV RESIS



TE Part # 208488-1
CMC PLUG ASSEMBLY,SZ 22



TE Part # 796450-1
PLUG ASSY,CPC,17-9,REV SEX



TE Part # 796449-1
PLUG ASSY,CPC,17-14,REV SEX



TE Part # 796288-1
PLUG.ASSY,23-37STD SEX THRD AD



TE Part # 208457-1
CMC PLUG ASSEMBLY,SZ 28-24



TE Part # 211400-1
CPC PLUG ASSEMBLY SIZE 13-7



TE Part # 213848-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # 208718-1
CMC PLUG ASSEMBLY,SZ 14-5



TE Part # 206708-1
CPC PLUG ASSEMBLY SIZE 13-9



TE Part # 206837-1
CPC PLUG ASSEMBLY SIZE 23-24



TE Part # 206150-1
CPC PLUG ASSEMBLY SIZE 23-37



TE Part # 206429-1
CPC PLUG ASSY, 11-4, REV SEX



TE Part # 208470-1
CMC PLUG ASSEMBLY,SZ 28



TE Part # 206044-1
CPC PLUG ASSEMBLY SIZE 17-14

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



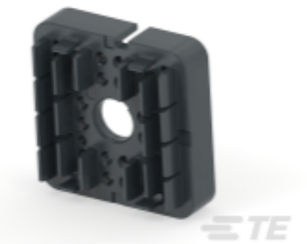
TE Part #T4062123004-002
RPC-M8-4MS-1.0SH-M8-4FS-PUR



TE Part #DRB48-60-BT
BOOT, 48/60P, PLG/REC, ST, BLK



TE Part #374209-E
SRCP 1,27 4 F 1 IDC22 137 E1 162 1,27 TR



TE Part #WB-48PB
WEDGE LOCK, 48P, REC, BLK, DRB, B



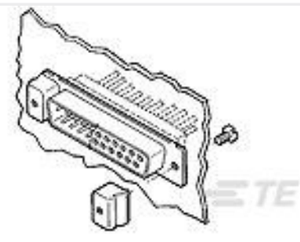
TE Part #52409-1
PIDG SP SPD 22-16COM22-18MIL 6



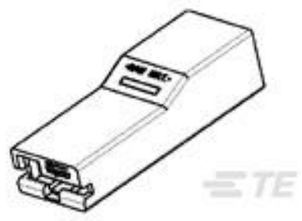
TE Part #104503-2
03 MTE PIN HSG SR RIB .100CL



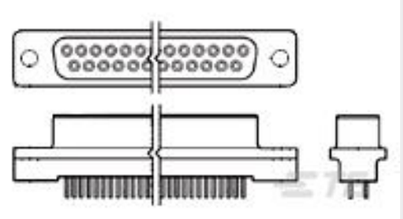
TE Part #200389-2
GUIDE PIN KIT



TE Part #208101-2
LATCH BLOCK SZ 1-4 (BULK PAK)



TE Part #280232-6
250 FASTON POST INS.,REC.,1 POS, NATRUAL



TE Part #5745079-6
HD-20 RCPT 37P VERT FFSCRLK

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1-66598-1_AG.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66598-1_AG.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-66598-1_AG.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

Product Specifications

Application Specification

English