1-66597-1 ✔ ACTIVE

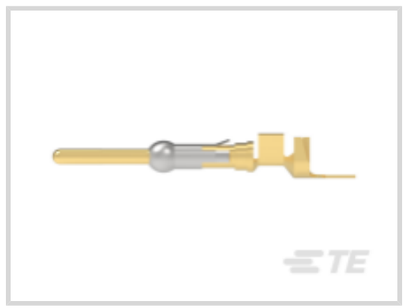
AMP | AMP Type III+, Circular Plastic Connectors Series 1

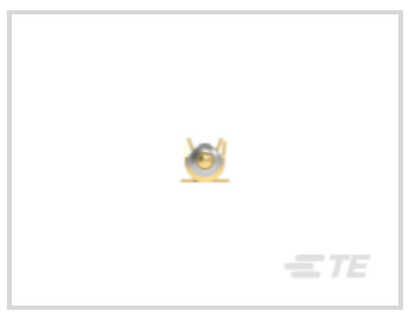
TE Internal #: 1-66597-1

Tin (Sn), Pin Contact, 18 – 14 AWG, .8 – 2 mm² Wire, Size 16, Crimp, Copper Nickel Alloy, 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**

Contact Retention Within Housing: **With**

Contact Size: **Size 16**

Features

Contact Features

Contact Type	Pin
Contact Mating Area Plating Material	Tin (Sn)
Wire Contact Termination Area Plating Material	Tin
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	2.54 µm[100 µin]
Wire Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Bright
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	.8 – 2 mm²
Compatible Insulation Diameter Range	2.79 – 3.81 mm[.11 – .15 in]

Usage Conditions

Operating Temperature Range	-55 – 90 °C[-67 – 194 °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 # 200893-2
INSERTION TOOL CONT



TE Part # 213849-1
CPC PLUG ASSEMBLY SIZE 17-16



TE Part # 211770-2
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 208718-2
CMC PLUG ASSEMBLY,SZ 14-5



TE Part # 1977878-1
SLD CPC PLUG ASY,11-4,STD SEX, UV RESIST



TE Part # 213853-1
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 206516-1
CPC PLUG ASSEMBLY SIZE 11-4



TE Part # 208716-1
CMC PLUG ASSEMBLY,SZ 14



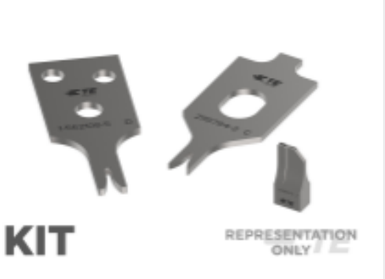
TE Part # 796188-1
SLD CPC PLUG ASSY,23-24,STD SX



TE Part # 796271-1
SLD CPC PLUG ASSY,17-14,REV SX



TE Part # 796274-2
SLD CPC PLUG ASSY,17-16,STD SX



TE Part # 7-2151405-7
OCEAN_2.0_SPARE_PART_KIT-090F155O



TE Part # 91521-1
CCII TYPE III+ PIN SKT 18-14 ASSY



TE Part # 796274-1
SLD CPC PLUG ASSY,17-16,STD SX



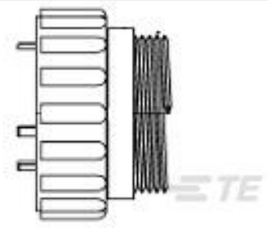
TE Part # 208714-2
CMC PLUG ASSEMBLY,SZ 14-7



TE Part # 2151405-1
OCEAN_2.0_Applicator-S-090F155O-RSM



TE Part # 208488-3
CMC PLUG ASSEMBLY,SZ 22



TE Part # 206554-1
CPC PLUG ASSEMBLY SIZE 17-16



TE Part # 213852-1
CPC PLUG ASSEMBLY SIZE 23-19



TE Part # 211772-1
CPC PLUG ASSEMBLY SIZE 23-19

Also in the Series | AMP Type III+



Connector Contacts(260)



Insertion & Extraction Tools(4)



Power Contacts(260)

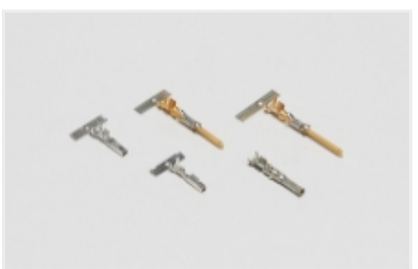
Also in the Series | Circular Plastic Connectors Series 1



Circular Power Connectors(211)



Connector Contacts(260)



Power Contacts(260)

Customers Also Bought



TE Part #33463
TERMINAL,SOLIS R 8 3/8



TE Part #66504-9
SOCKET CONTACT, 20 DF



TE Part #206430-1
RECPT, SZ 11-4, CPC



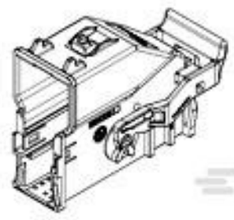
TE Part #207241-1
CABLE BOOT,SZ 17,CPC



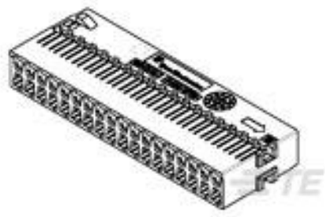
TE Part #211769-1
17-9 CPC RECEPT REV SEX



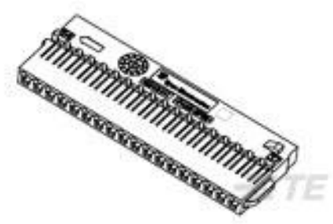
TE Part #213974-1
METRIMATE 30P RCPT HOUSING



TE Part #1924337-1
Shield Assembly, 54 POSN, 0.64mm BLK



TE Part #1924340-1
36P, 2 Row Carrier for 54P LAC



TE Part #1924341-1
18P, 1 Row Carrier for54P LAC



TE Part #5229996-3
SCREW, PAN HD, CAPTIVE

Documents

Product Drawings

III+ PIN,18-14,TIN ,STRIP

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-66597-1_AA.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66597-1_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-66597-1_AA.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