1-66564-2 ✔ ACTIVE

AMP | AMP Type III+

TE Internal #: 1-66564-2

Pin Contact, Tin, Spring Contact Retention, Size 16 Contact Size, Discrete Wire, 24 – 20 AWG Wire Size, .2 – .6 mm² Wire Size, Crimp, AMP Type III+

View on TE.com >

Connectors > Contacts > Connector Contacts





Contact Type: **Pin**

Contact Mating Area Plating Material: **Tin**

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

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Spring**

Features

Product Type Features

Discrete Wire Type	Solid or Stranded
Sealable	No

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire

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	2.54 µm[100 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
Contact Length	27.1 mm[1.067 in]
Contact Orientation	Straight
Contact Underplating Material	Nickel
Barrel Type	Open

Contact Type	Pin
Contact Mating Area Plating Material	Tin
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	Crimp
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	With
Contact Retention Type Within Housing	Spring

Dimensions

Compatible Insulation Diameter Range	1.52 – 3.05 mm[.06 – .12 in]
Wire Size	.2 – .6 mm²

Usage Conditions

Operating Temperature Range	-55 – 90 °C[-67 – 194 °F]

Operation/Application

Circuit Application	Power & Signal

Identification Marking

Contact Color Code	Yellow

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 200893-2
INSERTION TOOL CONT

TE Part # 539972-1
EXTRACTION TOOL

TE Part # 305183
EXTRACT TOOL TYPE 2 20-16

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

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

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

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

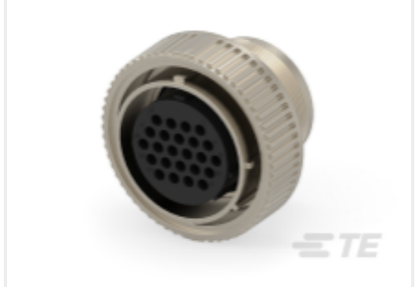
TE Part # 788153-2
SLD CPC PLUG ASSY,11-4,REV SEX

TE Part # 211770-2

CPC PLUG ASSEMBLY SIZE 23-19

TE Part # 208720-1

PLUG ASSY,SZ 14,CMC



TE Part # 208457-1

CMC PLUG ASSEMBLY,SZ 28-24

TE Part # 211766-1

CPC PLUG ASSEMBLY SIZE 17-9

TE Part # 211772-1

CPC PLUG ASSEMBLY SIZE 23-19

TE Part # 208470-3

CMC PLUG ASSEMBLY,SZ 28

TE Part # 213853-1

CPC PLUG ASSEMBLY SIZE 23-19

TE Part # 206305-1

CPC PLUG ASSEMBLY SIZE 23-37

TE Part # 796450-1

PLUG ASSY,CPC,17-9,REV SEX

TE Part # 796188-1

SLD CPC PLUG ASSY,23-24,STD SX

TE Part # 206150-1

CPC PLUG ASSEMBLY SIZE 23-37

TE Part # 796274-1

SLD CPC PLUG ASSY,17-16,STD SX

Also in the Series | AMP Type III+

Connector Contacts(400)

Insertion & Extraction Tools(4)

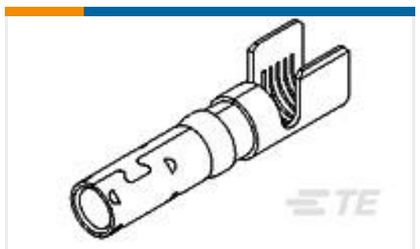
Customers Also Bought

TE Part #6-2176070-3

3521 3K9 1% 2W

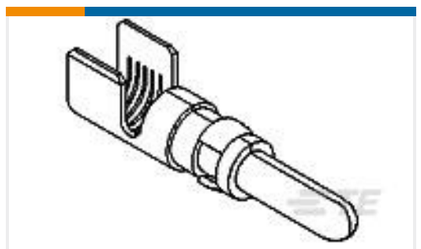
TE Part #213889-2

CPC RECPT SEALED,SIZE 17-3



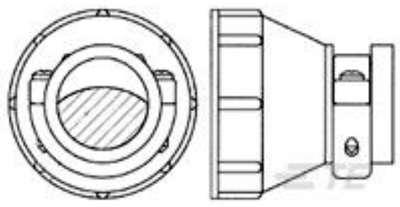
TE Part #213847-1

POWERBAND CONT ASSY,SILVER PLT

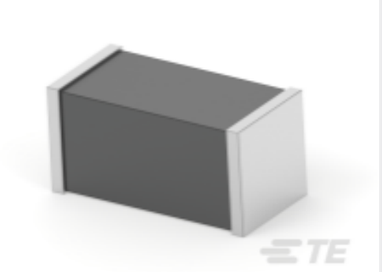


TE Part #213845-1

POWERBAND CONT ASSY,SILVER PLT



TE Part #213904-4
CPC CBL CLMP KIT,STD,SZ17,BULK



TE Part #2176493-8
BMC 0603 120R 25% A Gen C

TE Part #130519
TERM, SOLIS, SPADE, 22-16, M4(8)

TE Part #2-926850-1
MAG MATE LEAF KONT

TE Part #2351331-1
HPR100A-020006-2-9

TE Part #2351333-1
HPR100A-030008-1-9

Documents

Product Drawings

III+ PIN,24-20,TIN,STRIP

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-66564-2_AC.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-66564-2_AC.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-66564-2_AC.3d_stp.zip

English

Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

Signal Contacts

English

M_SERIES_PIN_AND_SOCKET_CONNECTORS

English

Product Specifications

Application Specification

English