3-42642-3 ✔ ACTIVE

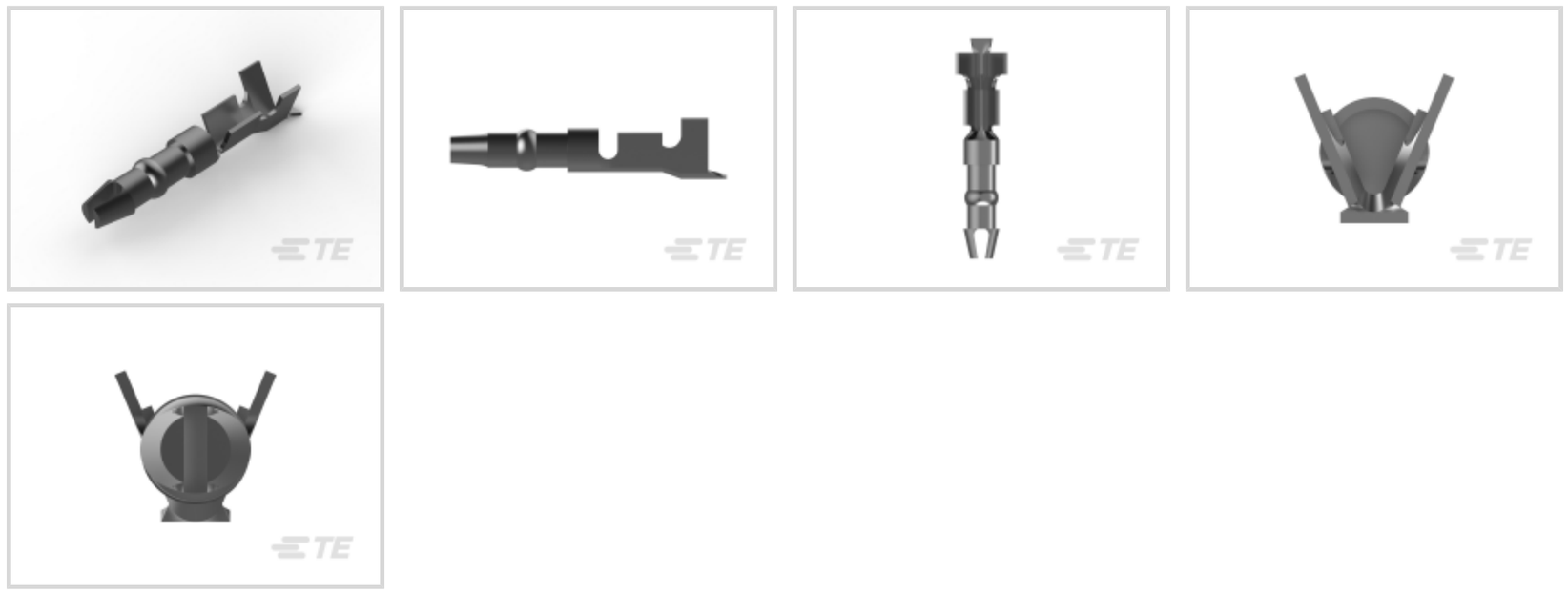
AMP-IN

TE Internal #: 3-42642-3

PCB Terminals, Receptacle, PCB Hole Diameter 1.83 mm [.072 in], 22 - 20 AWG Wire Size, .3 - .6 mm² Wire Size, Through Hole - Solder, Tin Plating, None

View on TE.com >

Terminals & Splices > PCB Terminals



PCB Terminal Type: **Receptacle**

PCB Thickness (Recommended): **1.57 mm [.062 in]**

PCB Hole Diameter: **1.83 mm [.072 in]**

Profile Height from PCB: **10.21 mm [.402 in]**

Compatible Insulation Diameter (Max): **2.54 mm [.1 in]**

Features

Product Type Features

Wire Insulation Support Retention Type	Open Barrel

Contact Features

Contact Mating Area Plating Material Thickness	3.81 µm[150 µin]
PCB Terminal Type	Receptacle
Terminal Plating Material	Tin
Contact Underplating Material	None
Terminal Size	Miniature
Terminal Orientation	Straight

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Product Terminates To	Wire & Cable

Mechanical Attachment

Wire Insulation Support	With

Dimensions

Extension Below Board	2.29 mm[.09 in]
Terminal Material Thickness	.25 mm[.01 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
PCB Hole Diameter	1.83 mm[.072 in]
Profile Height from PCB	10.21 mm[.402 in]
Compatible Insulation Diameter (Max)	2.54 mm[.1 in]
Compatible Insulation Diameter Range	2.54 mm[.1 in]
Wire Size	.3 - .6 mm²

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-30 - 105 °C[-22 - 221 °F]

Packaging Features

Packaging Quantity	9000
Packaging Method	Box

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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	Wave solder capable to 265°C

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 # 3-640401-1
MINI AMP-IN 26-22 SN/PHBZ



TE Part # 3-640108-1
AMP-IN, MINI 26-22 008PTLPHBZ



TE Part # 3-350566-1
MINI AMP-IN 22-18 PTLP/PHBZ



TE Part # 3-770565-2
MINI AMP-IN 22-18 AWG LF



TE Part # 170338-1
AMP-IN 22-18 AWG



TE Part # 3-770565-1
MINI AMP-IN 22-18 AWG SN/BRASS LF



TE Part # 170072-1
AMP-IN 24-20 AWG



TE Part # 350566-3
MINI AMP-IN 22-18 PTPBR

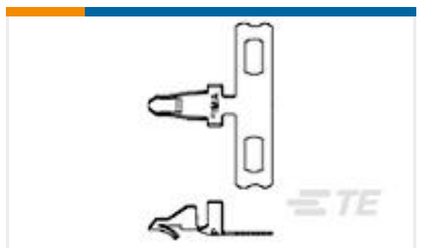


TE Part # 154645-2
AMP-IN TERMINAL

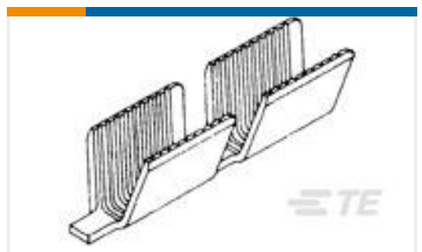
Customers Also Bought



TE Part # 172160-1
6 CIR UNIV M-N-L CAP



TE Part # 3-350566-1
MINI AMP-IN 22-18 PTLP/PHBZ



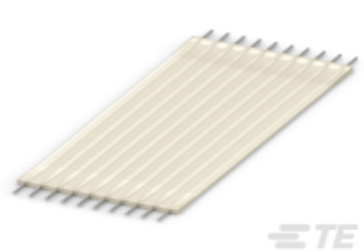
TE Part # 62304-2
AMVAR SPLC 600-3000 020TPBR



TE Part # 61513-1
058 PC PIN REC 26-22 010GP



TE Part # 3-1447221-3
S/S REC CONTACT ASSY, AU, 0.75~1.25



TE Part # 4-1437186-1
FST-21A-3



TE Part # AS212-35PN
RECEPT.BOX MTG.TYPE 2



TE Part # AS616-35SA
PLUG BOOT TERMIN'N TYPE 6



TE Part # ASDD208-11PN
RECEPT ASSY.2 HOLE. TYPE 2. AS DOUBLE DE

Documents

Product Drawings

AMP-IN TERM IS 22-20 010PTBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-42642-3_BC_c-3-42642-3-bc.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-42642-3_BC_c-3-42642-3-bc.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-42642-3_BC_c-3-42642-3-bc.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Application Specification

English