



AMP-BARREL | Special Purpose Terminals

TE Internal #: 1742254-2

PCB Terminals, Receptacle, PCB Hole Diameter 1.27 – 1.37 mm [.05 – .054 in], 28 – 22 AWG Wire Size, .08 – .4 mm² Wire Size, Special Purpose Terminals

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Terminals & Splices > PCB Terminals



PCB Terminal Type: **Receptacle**

PCB Thickness (Recommended): 1.19 – 1.57 mm [.047 – .094 in]

PCB Hole Diameter: 1.27 – 1.37 mm [.05 – .054 in]

Profile Height from PCB: 5.33 mm [.212 in]

Accepts Wire Insulation Diameter (Max): 1.35 mm [.053 in]

Features

Product Type Features

Insertion Force	Normal
Compatible With Discrete Wire Type	Solid, Stranded

Configuration Features

Stud Hole	No
Terminal Angle	180 °

Contact Features

Contact Plating Material	Tin
Crimp Type	IDC
PCB Terminal Type	Receptacle
Terminal Plating Material	Pre-Tin
Contact Underplating Material	Nickel
Terminal Orientation	Straight

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Product Terminates To	Printed Circuit Board
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Mechanical Attachment

Wire Insulation Support	With
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Dimensions

Extension Below Board	2.37 mm[.093 in]
PCB Thickness (Recommended)	1.19 – 1.57 mm[.047 – .094 in]
PCB Hole Diameter	1.27 – 1.37 mm[.05 – .054 in]
Profile Height from PCB	5.33 mm[.212 in]
Accepts Wire Insulation Diameter (Max)	1.35 mm[.053 in]
Accepts Wire Insulation Diameter Range	1.35 mm[.053 in]
Wire Size	.08 – .4 mm ²

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Industry Standards

UL Rating	Recognized
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Packaging Features

Packaging Quantity	12000
Packaging Method	Reel

Other

Comment	Accepts two wires of the same gauge and type., Solder resist material on the inside of barrel prevents solder wicking.
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

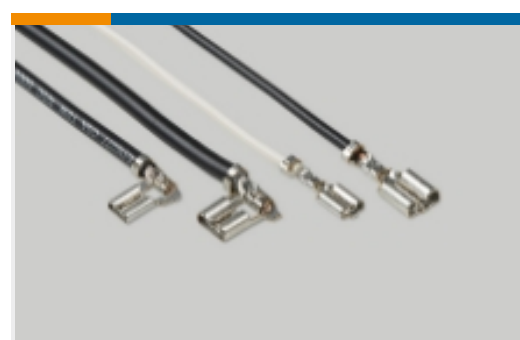
Product Compliance Disclaimer

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>

Also in the Series | Special Purpose Terminals



PCB Terminals(2)



Quick Disconnects(9)

Documents

Product Drawings

[AMP BARREL TERMINAL 22-28 AWG TNIPPHBZ](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1742254-2_C3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1742254-2_C3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1742254-2_C3.3d_stp.zip](#)

English



By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

PRINTED CIRCUIT BOARD TERMINALS AND DISCONNECTS

English

Product Specifications

Application Specification

English

AMP-BARREL Terminals

English

Product Environmental Compliance

TE Material Declaration

English