

745440-1 ! PENDING OBSOLESCENCE

AMPLIMITE | AMPLIMITE HDP

TE Internal #: 745440-1

TE Internal Description: 25 RCPT RA/MS 454

D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm

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Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm



Number of Positions: 25

Connector & Housing Type: Receptacle

Connector System: Board-to-Board

Connector Mounting Type: Board Mount

Connector Shell Size: 3

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm \(47\)](#)

Features

Product Type Features

Shell Material Configuration	Full Metal Shell
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
Connector Shell Size	3
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	25
Number of Rows	2
PCB Mount Orientation	Right Angle

Body Features

Insert Material	Thermoplastic
Shell Plating Material	Tin
Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold Flash

Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Shape & Form	Square
Contact Current Rating (Max)	6 A
Contact Options	Installed

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	5.59 mm[.22 in]
Square Termination Post & Tail Dimension	.63 mm[.025 in]

Mechanical Attachment

Mounting Hole Diameter	3.05 mm[.12 in]
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	With
Mating Retention Type	Mounting Screws

Housing Features

Housing Material	Thermoplastic
Shell Material	Steel
Centerline (Pitch)	2.77 mm[.109 in]

Dimensions

PCB Thickness (Recommended)	3.18 mm[.125 in]
Row-to-Row Spacing	2.84 mm[.112 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Packaging Features

Packaging Quantity	70
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Packaging Method

Package

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU

Not Compliant

EU ELV Directive 2000/53/EC

Not Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2025
(247)
Candidate List Declared Against: JAN 2021
(211)
SVHC > Threshold:
Pb (13% in Component part)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

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>

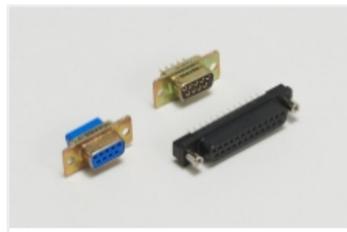
Compatible Parts



Also in the Series | **AMPLIMITE HDP**



Connector Contacts(6)

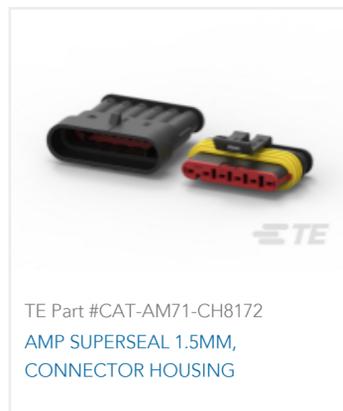


D-Shaped Connectors(65)



PCB D-Sub Connectors(65)

Customers Also Bought

TE Part #CAT-D48-ST273
DEUTSCH Solid ContactsTE Part #DT06-2S
PLG, 2P, GRY, NTE Part #DT04-2P
REC, 2P, GRY, NTE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DTTE Part #206070-8
CABLE CLAMP KIT #17TE Part #281934-2
SINGLE WIRE SEALTE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

Documents

Product Drawings

25 RCPT RA/MS 454

English

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_745440-1_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_745440-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_745440-1_G.3d_stp.zip](#)

English

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



Product Specifications

Application Specification

English

Agency Approvals

UL Report

English