



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm



Connector & Housing Type: **Receptacle**

Connector System: **Board-to-Board**

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [.108 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 1, 2.74mm \(77\)](#)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Footprint	14.99 mm[.59 in]
Shell Type	All Plastic
Connector & Housing Type	Receptacle
Connector System	Board-to-Board
D-Sub Shell Size	1
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	9
Number of Rows	2
PCB Mount Orientation	Right Angle
Preloaded	Yes

Body Features

Eyelet Material	Brass
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Eyelet Plating Material	Tin
Plastic	Yes
Connector Profile	Standard

Contact Features

Contact Mating Area Plating Material	Gold Flash
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape & Form	Round
Contact Current Rating (Max)	2.7 A

Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.18 mm[.125 in]

Mechanical Attachment

Threaded Insert Material	Zinc
Threaded Insert Plating Material	Clear Chromate
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Threaded Inserts
Connector Mounting Type	Board Mount
Boardlock Plating Material	Tin
Boardlock Material	Copper Alloy
Mounting Hole Diameter	3.18 mm[.125 in]

Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
Housing Material	Nylon GF, Polyester GF
Housing Color	Black

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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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
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Packaging Features

Packaging Method	Package
Packaging Quantity	140

Other

Comment	All receptacles are preloaded with size 20 DF posted socket contacts
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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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # CAT-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm

TE Part # 206509-1
SIZE 20 KEYING PLUG

Also in the Series | **AMPLIMITE AM**

PCB D-Sub Connectors(7)

Customers Also Bought

TE Part #1-640457-0
Polyester Right Angle PCB Header: 2.54mm, Unshrouded, MTA 100

TE Part #1-640456-6
Polyester Vertical PCB Header: 2.54 mm, Unshrouded, No Mating Alignment

TE Part #1419111-2
20C217=SPRING,HOLD-DOWN,KH,.03

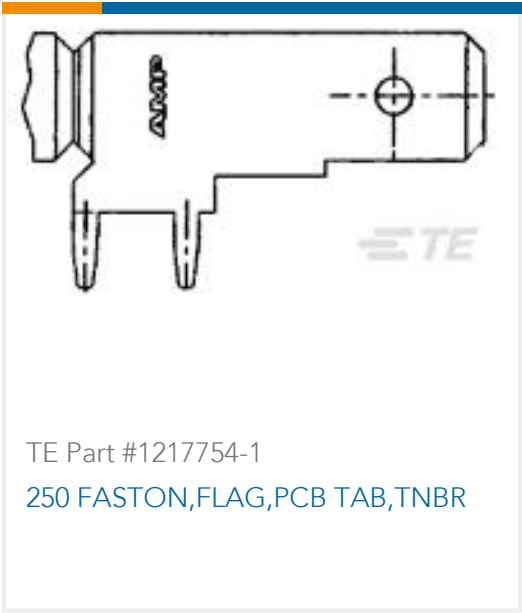
TE Part #1-640445-4
14P MTA156 HDR ASSY FL/STR SN

TE Part #1-640445-2
12P MTA156 HDR ASSY FL/STR SN

TE Part #9-55556-0
10 POWER TAP ASSY WITH SCREW #6-32

TE Part #2-2176216-7
CPF A 0603 1K0 0.1% 25PPM 1K RL

TE Part #102154-6
AMP-LATCH UNIVERSAL HEADERS



Documents

Product Drawings

AMP III RCPT 9P RA 590 THD INS/BDLK

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5748907-2_O.2d_dxf.zip

English

Customer View Model

ENG_CVM_5748907-2_O.3d_igs.zip

English

Customer View Model

ENG_CVM_5748907-2_O.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors

English

Product Specifications

Application Specification

English

AMPLIMITE III SERIES 318 AND 590 ALL-PLASTIC RIGHT-ANGLE PLUG AND RECEPTACLE CONNECTORS

English

Product Environmental Compliance

MD_5748907-2_01272017417_dmtec

English

MD_5748907-2_01272017417_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)



English

[Agency Approvals](#)

[UL Report](#)

English