5787083-5 ✔ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 5787083-5

50 Position D-Shaped Connector, Receptacle, Cable-to-Board, Board Mount, 1.27 mm [.05 in] Centerline, Printed Circuit Board, AMPLIMITE 0.50 Series

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Right Angle, 1.27mm



Number of Positions: **50**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Centerline (Pitch): **1.27 mm [.05 in]**

All D-Sub Receptacle Assembly: Right Angle, 1.27mm (73)

Features

Product Type Features

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

Configuration Features

Number of Positions	50
Number of Rows	4
PCB Mount Orientation	Right Angle

Body Features

Assembly Process Feature Material	Copper Alloy
Shell Plating Finish	Bright
Shell Plating Material	Nickel over Copper
Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 µin
Contact Underplating Material	Palladium Nickel

Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin, Tin over Nickel
Contact Current Rating (Max)	1 A
Contact Options	Installed

Termination Features

Rectangular Termination Post & Tail Width	.41 mm[.016 in]
Rectangular Termination Post & Tail Thickness	.3 mm[.011 in]
Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.05 mm[.12 in]

Mechanical Attachment

Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
Mounting Hole Diameter	2.77 mm[.109 in]
Mating Alignment	Without
PCB Mount Alignment	Without
Assembly Process Feature Plating Material	Tin over Nickel
Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Housing Material	Thermoplastic
Shell Material	Carbon Steel
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

PCB Thickness (Recommended)	2.36 mm[.093 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	LR-86179-1, UL E28476

Packaging Features

Packaging Quantity	10
Packaging Method	Tube

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

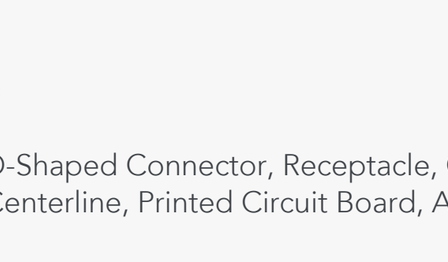
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

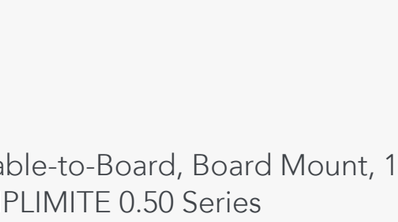


TE Part # 786585-2
50SR SCREWLOCK KIT,FEMALE

Also in the Series | AMPLIMITE 0.50 Series



Connector Backshells(20)



Connector Caps & Covers(20)

D-Sub Backshells & Clamps(20)

Insertion & Extraction Tools(1)



PCB D-Sub Connectors(171)

Customers Also Bought



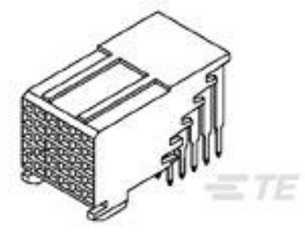
TE Part #216843-1
250 FASTON,TAB,PCB,TPPB



TE Part #6-1879214-9
CPF 0402 1K87 0.1% 25PPM 1K RL



TE Part #2176308-7
RP 1E 0.1W 154K 0.1% 25PPM 5K RL



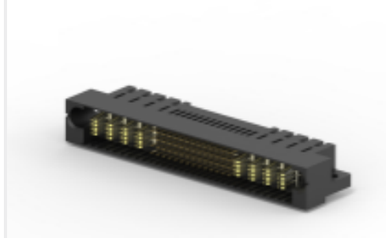
TE Part #5223008-1
FB-5R,ASY,030,SIG,REC,EN,3.55



TE Part #3-5338556-1
8/8 MOD JACK ASSY SE



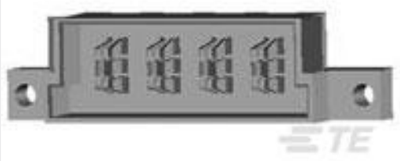
TE Part #6116202-1
MJ,TE,8P,COMPL.PIN,CAT5,PC



TE Part #1-6450320-3
MBXL R/A HDR 4P+56S+4P

TE Part #1-6450560-9
MBXL R/A RCPT 4P+56S+4P

TE Part #6600323-8
MBXL VERT HDR 64S+11P



TE Part #6600390-2
MBXL VERT HDR 4ACP STR

Documents

Product Drawings

50 50SR R/A RCPT ASSY,RDSN L/F

English

CAD Files

Customer View Model

ENG_CVM_5787083-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_5787083-5_B.3d_stp.zip

English

Customer View Model

ENG_CVM_5787083-5_B.2d_dxf.zip

English

3D PDF

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

English