

786555-7 ✓ ACTIVE

AMPLIMITE | AMPLIMITE 0.50 Series

TE Internal #: 786555-7

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 68 Position,
1.27 mm [.05 in] Centerline, 2 Row, Standard Profile, Vertical,
AMPLIMITE 0.50 Series

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Vertical, Action Pin, 1.27mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **68**

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

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Action Pin, 1.27mm \(27\)](#)

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	68
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Shell Plating Material	Nickel over Copper
Primary Product Color	Black
Connector Profile	Standard

Contact Features

Contact Options	Installed
	30 μ m
Contact Mating Area Plating Material	Gold or Gold Flash
Contact Underplating Material	Palladium Nickel



PCB Contact Termination Area Plating Material	Tin-Lead, Tin-Lead over Nickel
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

Termination Features

Square Termination Post & Tail Dimension	.38 mm[.015 in]
Termination Post & Tail Length	4.39 mm[.173 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Mounting Feature Plating Material	Nickel over Copper
Mounting Feature Material	Zinc
	.125 in
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Screw
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Usage Conditions

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

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	8
Packaging Method	Tube

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: JUNE 2024 (241) 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	Not applicable for solder process capability

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 0.50 Series



Connector Backshells(31)



Connector Caps & Covers(21)



Connector Hardware(7)



IDC D-Sub Connectors(64)



Insertion & Extraction Tools(1)



PCB D-Sub Connectors(172)

Customers Also Bought



TE Part #747299-8
15 RCPT SP/FMS INSRT



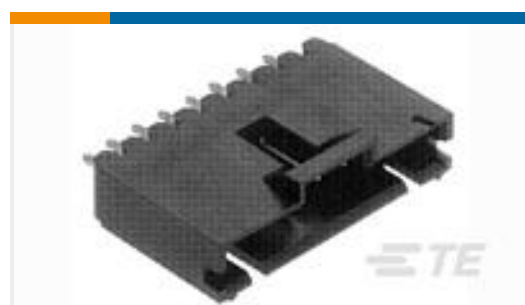
TE Part #748612-1
25 RCPT SP/FMS BRDLK



TE Part #3-6609107-1
PS0SSS6A=C1075



TE Part #103735-3
04 MTE HDR SRST LATCH .100CL



TE Part #6-103908-4
15 MTE HDR SRST LATCH W/HLDWN



TE Part #11109348-00
15 PSI, 1/4MNPT, 0-5V (3-WIRE), Cable, 2



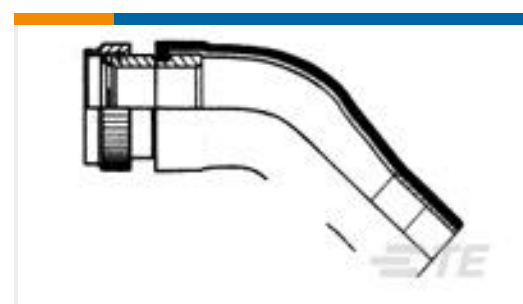
TE Part #1744439-6
EP2.5 Shrd HDR ASSY 6P VERT, GW



TE Part #234234-E
M8 FEMALE, A CODE, 4P, 16.25MM SMT



TE Part #114114-E
ERMB22 110 FS 1 EE * 3,70 A-E V-V ** 24



TE Part #724113-000
KTKK-1123



Documents

Product Drawings

[68 50SR VRT RCPT,FL TOP,ACT PN](#)

English

CAD Files

Customer View Model

[ENG_CVM_786555-7_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_786555-7_K.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_786555-7_K.2d_dxf.zip](#)

English

[3D PDF](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL](#)

English