

5745458-1 ✓ ACTIVE

AMPLIMITE

TE Internal #: 5745458-1

PCB D-Sub Connectors, Receptacle, Board-to-Board, 25 Position, 2.77 mm [.109 in] Centerline, 2 Row, 3 Connector Shell Size, Low Profile, Vertical

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors >

D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 3, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **25**

Centerline (Pitch): **2.77 mm [.109 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Vertical, Action Pin, Shell Size 3, 2.77mm \(8\)](#)

Features

Product Type Features

Shell Material Configuration	All Plastic
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	Vertical

Body Features

Mating Feature Material	Brass
Mating Feature Plating Material	Nickel
Primary Product Color	Black
Connector Profile	Low

Contact Features

Contact Mating Area Plating Material	Gold Flash
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Termination Features

Rectangular Termination Post & Tail Thickness	.63 mm[.025 in]
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Rectangular Termination Post & Tail Width	.86 mm[.034 in]
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Termination Post & Tail Length	5.8 mm[.228 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Mounting Hole Diameter	3.05 mm[.12 in]
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PCB Mount Retention	With
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PCB Mount Retention Type	Action/Compliant Tail, Mounting Hole
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Mating Retention	With
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Mating Retention Type	Female Screwlocks, Fixed
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Connector Mounting Type	Board Mount
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Housing Features

Housing Material	Nylon GF
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Centerline (Pitch)	2.77 mm[.109 in]
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Dimensions

PCB Thickness (Recommended)	2.36 mm[.093 in]
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Row-to-Row Spacing	2.84 mm[.112 in]
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Usage Conditions

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

Shielded	No
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	78
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Packaging Method	Tray
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (2.5% 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 reviewed 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

 <p>TE Part # 745211-8 HDE-20, PLUG, SIZE 3, 25 POSN, #22</p>	 <p>TE Part # 206509-1 SIZE 20 KEYING PLUG</p>
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Customers Also Bought



TE Part #553443-2
ASSY RCPT, ACTION PIN, CHAMP-LOK



TE Part #641193-3
03P MTA100 CONN ASSY GRN 15AU



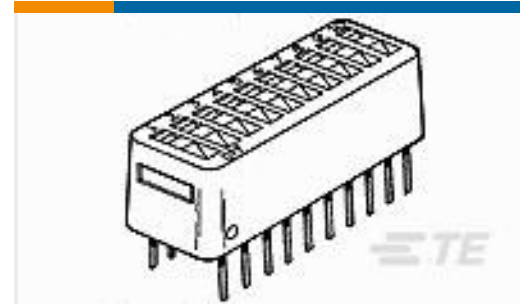
TE Part #5415632-2
VERTICAL BNC PCB JACK



TE Part #60348-4
050 PIN REC 24-20 0126TPPHBZ



TE Part #1-1879338-3
CPF 0603 35K7 1% 50PPM 1K RL



TE Part #435626-2
LOW PROFILE DIP SW 5POSN AU



TE Part #2-1393763-6
V23100V4312B000



TE Part #5-146277-7
07 MODII HDR SRST B/A .100CL

Documents

Product Drawings

[25 RCPT ACT PIN/AP LOW SCRLK](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5745458-1_C.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5745458-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5745458-1_C.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 - Straight Posted Connectors](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

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Centerline, 2 Row, 3 Connector Shell Size, Low Profile, Vertical



English