

2311765-2 ✓ ACTIVE

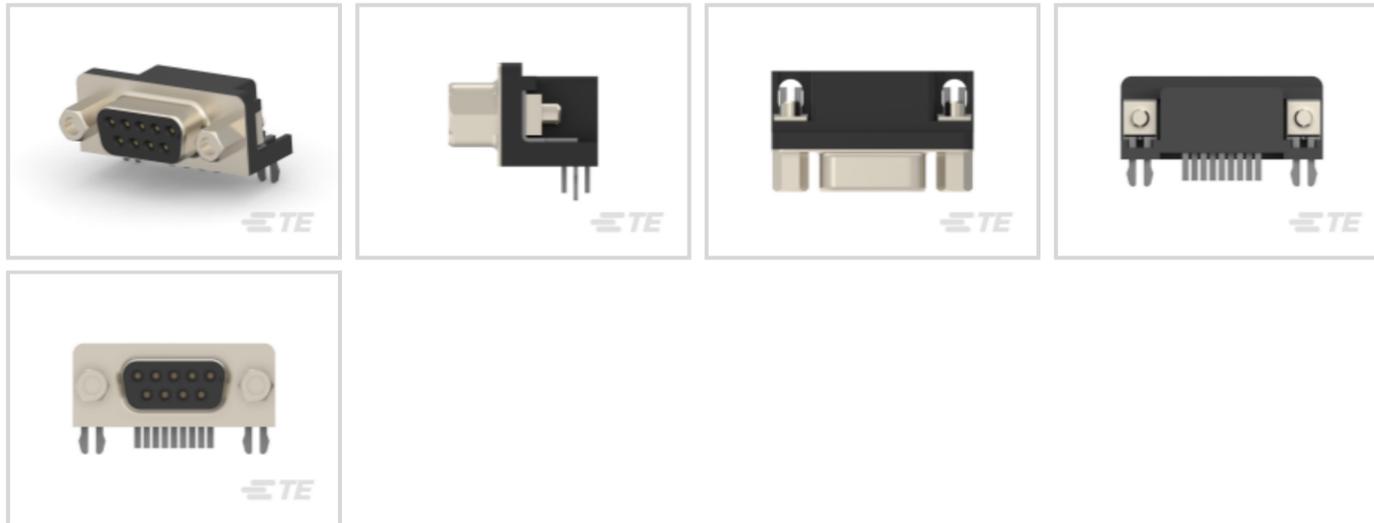
TE Internal #: 2311765-2

PCB D-Sub Connectors, Receptacle, Wire-to-Board, 9 Position, 2.77 mm [.109in] Centerline, 2 Row, Row-to-Row Spacing 2.84 mm [.111 in]

[View on TE.com >](#)



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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **9**

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

Number of Rows: **2**

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
D-Sub Shell Size	1
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector
Connector Type	Header

Configuration Features

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

Body Features

Connector Profile	Standard
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Contact Features

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Contact Shape & Form	Round Socket
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Contact Current Rating (Max)	3 A
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

PCB Mount Retention	With
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PCB Mount Retention Type	Boardlock
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Mating Retention	With
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Mating Retention Type	4-40 Screwlock
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Connector Mounting Type	Board Mount
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Mounting Angle	Right Angle
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Housing Features

Centerline (Pitch)	2.77 mm [.109 in]
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Housing Material	PBT GF
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Housing Color	Black
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Dimensions

Row-to-Row Spacing	2.84 mm [.111 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Packaging Features

Packaging Method	Box & 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
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JUL 2021 (219)
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SVHC > Threshold:

Pb (2% 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



TE Part # 206509-1
SIZE 20 KEYING PLUG

Customers Also Bought



TE Part #1-2176058-9
Thick Film Resistor: Current Sense



TE Part #8-1879215-2
CPF 0402 32K4 0.1% 25PPM 1K RL



TE Part #1551920-1
zQSFP+ connector assembly



TE Part #1-1879417-3
CPF 0603 560K 0.1% 25PPM 1K RL



Documents

Product Drawings

[AMPL REC, HD20, R/A, 9P, S/L, .318](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2311765-2_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2311765-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2311765-2_B.3d_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English