

745085-2 ✓ ACTIVE

AMPLIMITE

TE Internal #: 745085-2

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 25 Position,
2.76 mm [.109 in] Centerline, 2 Row, Size 3, Round, Standard Profile,
Right Angle

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm



Connector & Housing Type: **Receptacle**

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

Number of Positions: **25**

Centerline (Pitch): **2.76 mm [.109 in]**

Number of Rows: **2**

[All D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm \(64\)](#)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Footprint	12.14 mm[.478 in]
Shell Type	All Plastic
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
D-Sub Shell Size	3
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	25
Number of Rows	2
PCB Mount Orientation	Right Angle
Preloaded	Yes

Body Features

Plastic	Yes
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Connector Profile	Standard
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Post Size	.66 mm [.026 in]
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Contact Features

Contact Mating Area Plating Material	Gold
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PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Base Material	Phosphor Bronze
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Contact Shape & Form	Round
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Contact Current Rating (Max)	1.2 A, 2 A, 3.1 A
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	30 μ m
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Termination Features

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

Panel Mount Feature	Without
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PCB Mount Retention	With
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PCB Mount Retention Type	Mounting Hole
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Mating Retention	Without
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Connector Mounting Type	Board Mount
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	.12 in
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Housing Features

Centerline (Pitch)	2.76 mm [.109 in]
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Housing Material	Nylon GF, Polyester
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Housing Color	Black
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Dimensions

Row-to-Row Spacing	2.84 mm [.112 in]
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PCB Thickness (Recommended)	2.36 mm [.047 – .063 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



Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Package
Packaging Quantity	70

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	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 2022 (224) 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	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



Documents

Product Drawings

[25 APFL RCPT RA 478](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_745085-2_M.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_745085-2_M.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_745085-2_M.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English