



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



Connector & Housing Type: **Receptacle**

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

Number of Positions: **80**

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

Number of Rows: **2**

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	80
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Assembly Process Feature Material	Copper Alloy
Shield Plating Material	Nickel
Shield Material	Steel
Shell Plating Material	Nickel
Primary Product Color	Black
Connector Profile	Standard

Contact Features

	30 μin
Contact Options	Installed
Contact Mating Area Plating Material	Gold (Au)

Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Current Rating (Max)	.5 A, 1 A
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Termination Features

Rectangular Termination Post & Tail Width	.4 mm[.015 in]
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Rectangular Termination Post & Tail Thickness	.32 mm[.012 in]
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Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	3.1 mm[.122 in]
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Mechanical Attachment

Mounting Hole Diameter	2.7 mm
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Assembly Process Feature Plating Material	Tin over Nickel
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PCB Mount Retention	With
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PCB Mount Retention Type	Retention Leg
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Mating Retention	With
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Mating Retention Type	Bail Lock
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Connector Mounting Type	Panel Mount
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Housing Features

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

Panel Thickness (Recommended)	2.01 mm[.079 in]
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PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]
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Row-to-Row Spacing	1.9 mm[.075 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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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	60
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Packaging Method Tray

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: JAN 2025 (247) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

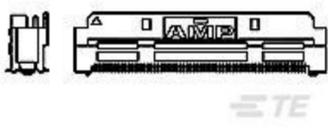
Product Compliance Disclaimer

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>

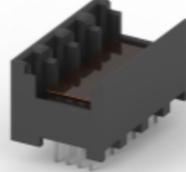
Customers Also Bought



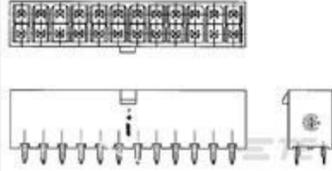
TE Part #ASA021N00210235000
623 PLUG



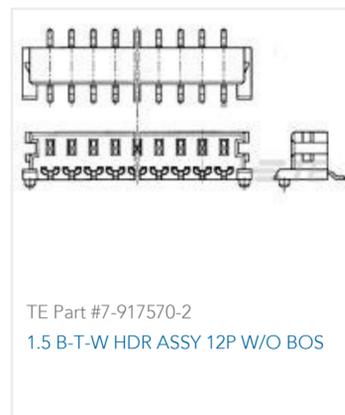
TE Part #1123677-1
Z-STACK TYPE F16 ASSY 130P



TE Part #2309223-1
RITS CONN.HDR ASSY 4ROW 4P THR W TAPE



TE Part #2-1586038-2
22P VRT HDR VAL-U-LOK V0



Documents

Product Drawings

[CHAMP.050 REC ASS'Y 80P PB-FREE](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_3-5178238-0_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_3-5178238-0_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-5178238-0_O.3d_stp.zip](#)

English

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Product Specifications

[CHAMP.050 Series\(II\) Connector Wire to Board Type](#)

English

Product Specification

English