



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



Connector Style: **Receptacle**

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

Number of Positions: **14**

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

Number of Rows: **2**

Features

Product Type Features

Shell Type	Full Metal Shell
Frame Material	Die Cast Zinc
Connector Style	Receptacle
Connector System	Cable-to-Board
Row-to-Row Spacing	.05
Profile	Standard
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Type	Header
Product Type	Connector

Configuration Features

Number of Positions	14
Number of Rows	2
PCB Mount Orientation	Vertical
Preloaded	Yes



Body Features

Frame Plating Material	Nickel
Post Size	.4 mm
Color	Black
Shell Plating Material	Nickel
Shield Material	Steel
Shell Material	Steel
Shield Plating Material	Nickel over Copper

Contact Features

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

Termination Features

Termination Post Length	3.1 mm[.122 in]
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Mechanical Attachment

Panel Mount Feature	With
PCB Mounting Style	Through Hole
PCB Mount Retention	With
PCB Mount Retention Type	Retention Leg
Mating Connector Lock	With
Mating Connector Lock Type	Bail Lock
Connector Mounting Type	Board Mount
Mating Retention	With
Boardlock Plating Material	Tin over Nickel
Mounting Angle	Right Angle
Mounting Hole Diameter	2.7 mm
Boardlock Material	Copper Alloy
Mating Retention Type	Latch

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
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Housing Material	Thermoplastic
Housing Color	Black

Dimensions

Panel Thickness	2.01 mm[.079 in]
PCB Thickness (Recommended)	1.57 – 2.36 mm[.062 – .093 in]

Usage Conditions

Housing Material Temperature	Standard
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
Packaging Quantity	150

Other

Comment	Alternate tail lengths 3.90 [.153] and 2.20 [.087] available
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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 2019 (197) Candidate List Declared Against: JUN 2018 (191)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

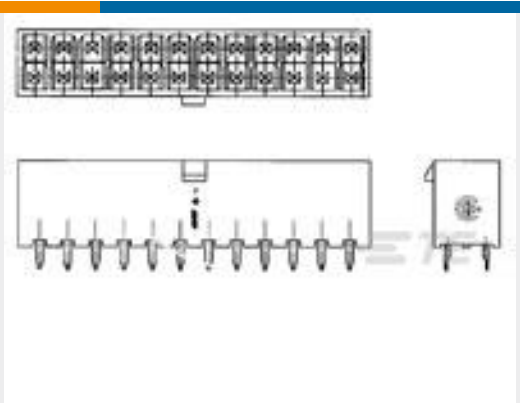
Customers Also Bought



TE Part #2-5178238-2
CHAMP.050 REC ASS'Y
20P PB-FRE



TE Part #5645994-1
MSS ASSY SERIES 3 W
/SEALANT



TE Part #1-1586038-0
10P VRT HDR VAL-U-LOK
V0



TE Part #2-1761713-5
IDC LOW PRO HDR 14P
VERT SHT LAT BLUE



TE Part #499913-4
020 UNIV HDR RA 4S 15DP
STD L2



TE Part #796639-4
4POS 5.08MM CE R/A
HDR,TRM BLK



TE Part #104450-1
02 MTE HDR SRST LATCH
W/HLDWN



TE Part #2-1761713-8
IDC LOW PRO HDR 24P
VERT SHT L



TE Part #5554501-2
RCPT ASSY,24 POS,V/M,
SCR LK



TE Part #650921-5
120 EURO TYPE R PIN AP
ASSY

Documents

Product Drawings
CHAMP.050 REC ASS'Y 14P PB-FRE
English

CAD Files



3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-5178238-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-5178238-1_O.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-5178238-1_O.2d_dxf.zip](#)

English

Product Specifications

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

English

[Product Specification](#)

English