

CHAMP

TE Internal #: 2-5175887-1

TE Internal Description: CHAMP 050-2 REC ASSY V 14P

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

Connector & Housing Type: **Receptacle**Number of Positions: **14**Centerline (Pitch): **1.27 mm [.05 in]**Number of Rows: **2**Row-to-Row Spacing: **1.9 mm [.075 in]****Features****Product Type Features**

Shell Type	Full Metal Shell
Frame Material	Die Cast Zinc
Connector & Housing Type	Receptacle
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
Connector Profile	Standard
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
	30 µin

Termination Features

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

Panel Mount Feature	With
PCB Mount Retention	Without
Mating Retention	With
Mating Retention Type	Latch
Mounting Angle	Vertical
Mounting Hole Diameter	2.8 mm

Housing Features

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

Dimensions

Row-to-Row Spacing	1.9 mm[.075 in]
Panel Thickness	2.01 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.062 – .093 in]

Usage Conditions

Housing Material Temperature	Standard
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
Packaging Quantity	16

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	Not Yet Reviewed

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: JUNE 2022
(224)Candidate List Declared Against: JUN 2018
(191)SVHC > Threshold:
Not Yet Reviewed

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.

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_2-5175887-1_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-5175887-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-5175887-1_O.3d_stp.zip](#)

English

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Product Specifications

[CHAMP 050 II Shield Case Kit \(Original Type\)](#)

English



[Application Specification](#)

English

[Agency Approvals](#)

[UL Report](#)

English