

CHAMP

TE Internal #: 5175887-2

TE Internal Description: CHAMP 050-2 REC ASSY V 20P

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

Connector & Housing Type: **Receptacle**Number of Positions: **20**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
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board
Connector Type	Header
Product Type	Connector

Configuration Features

Number of Positions	20
Number of Rows	2
PCB Mount Orientation	Vertical
Preloaded	Yes

Body Features

Connector Profile	Standard
Color	Black
Shell Material	Steel
Shell Plating Material	Nickel

Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin

Contact Base Material	Phosphor Bronze
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12 µin

Termination Features

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

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

Centerline (Pitch)	1.27 mm[.05 in]
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Housing Material	Thermoplastic, Zinc Die Cast
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Housing Color	Black
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Dimensions

Row-to-Row Spacing	1.9 mm[.075 in]
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Panel Thickness	2.01 mm[.079 in]
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PCB Thickness (Recommended)	1.6 mm[.062 in]
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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
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Packaging Quantity	14
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2022
(224)Candidate List Declared Against: JUL 2019
(201)

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>

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_5175887-2_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5175887-2_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5175887-2_O.3d_stp.zip](#)

English

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

Product Specifications

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

English

Application Specification

English