

CHAMP

TE Internal #: 5917738-2

TE Internal Description: CHAMP 050 FMS REC HDR ASSY 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: **4**Row-to-Row Spacing: **1.9 mm [.075 in]****Features****Product Type Features**

| | |
|-----------------------------------|-----------------------|
| Shell Material Configuration | Front Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|-------------|
| Number of Positions | 20 |
| Number of Rows | 4 |
| PCB Mount Orientation | Right Angle |

Body Features

| | |
|------------------------|--------------------|
| Shell Plating Material | Nickel over Copper |
| Primary Product Color | Black |
| Connector Profile | Standard |

Contact Features

| | |
|---|--------------|
| Contact Options | Installed |
| Contact Mating Area Plating Material | Gold |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |

Termination Features

| | |
|---|-----------------|
| Rectangular Termination Post & Tail Thickness | .32 mm[.012 in] |
| Rectangular Termination Post & Tail Width | .5 mm[.019 in] |

| | |
|--------------------------------|-----------------|
| Termination Post & Tail Length | 3.1 mm[.122 in] |
|--------------------------------|-----------------|

Mechanical Attachment

| | |
|--------------------------|-------------|
| Mounting Hole Diameter | 2.7 mm |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Boardlock |
| Mating Retention | With |
| Mating Retention Type | Latches |
| Connector Mounting Type | Panel Mount |

Housing Features

| | |
|--------------------|-----------------|
| Shell Material | Steel |
| Housing Material | PBT |
| Centerline (Pitch) | 1.27 mm[.05 in] |

Dimensions

| | |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.66 mm |
| Row-to-Row Spacing | 1.9 mm[.075 in] |

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 130 |
| Packaging Method | Tray |

Product Compliance

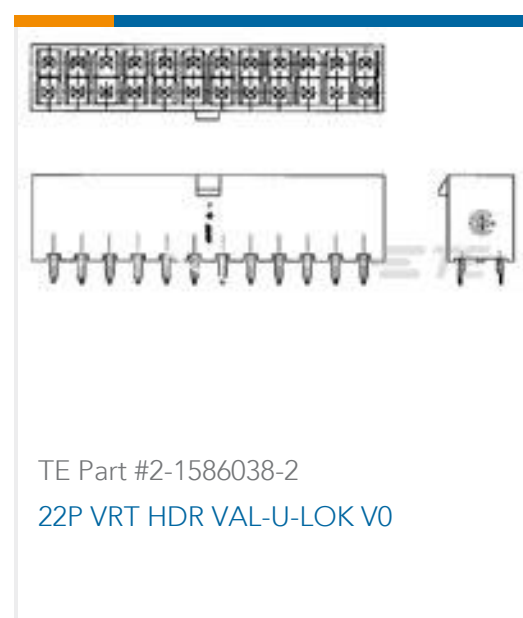
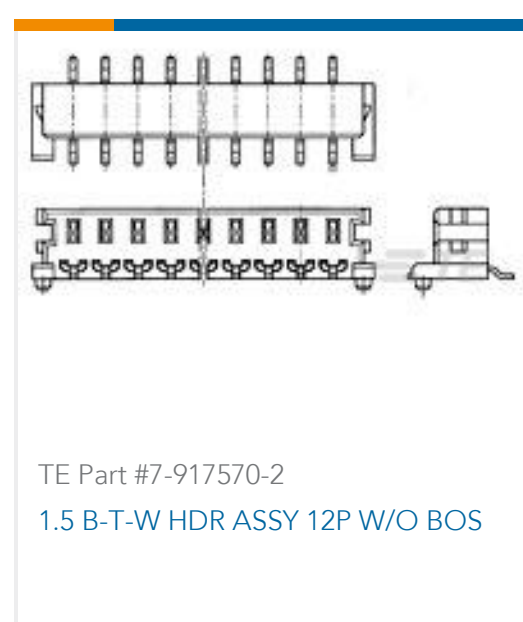
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| 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: JUNE 2024 (241) 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>

Customers Also Bought



Documents

Product Drawings

CHAMP 050 FMS REC HDR ASSY 20P

English

CAD Files

Customer View Model

[ENG_CVM_CVM_5917738-2_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5917738-2_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5917738-2_O.3d_stp.zip](#)

English



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