

CHAMP

TE Internal #: 2-5175887-9
100 Position D-Shaped Connector, Receptacle, Cable-to-Board,
Panel Mount & Board Mount, 1.27 mm [.05 in] Centerline, Printed
Circuit Board, Signal

[View on TE.com >](#)



Connectors > D-Shaped Connectors > CHAMP D-Sub Receptacle Assembly: Vertical, 1.27mm



Number of Positions: 100
Connector & Housing Type: Receptacle
Connector System: Cable-to-Board
Connector Mounting Type: Panel Mount & Board Mount
Centerline (Pitch): 1.27 mm [.05 in]

[All CHAMP D-Sub Receptacle Assembly: Vertical, 1.27mm \(4\)](#)

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

| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |
| Number of Positions | 100 |

Body Features

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

Contact Features

| | |
|----------------------|--------|
| | 30 μin |
| Contact Shape & Form | Spring |



| | |
|---|-----------------|
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Current Rating (Max) | .5 A, 1 A |
| Contact Options | Installed |

Termination Features

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

Mechanical Attachment

| | |
|-------------------------|---------------------------|
| Mating Retention Type | Bail Lock |
| PCB Mount Retention | Without |
| Mounting Hole Diameter | 2.8 mm |
| Mating Retention | With |
| Connector Mounting Type | Panel Mount & Board Mount |

Housing Features

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

Dimensions

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

Usage Conditions

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|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--|--|
| | |
|--|--|



| | |
|--------------------|------|
| Packaging Quantity | 5 |
| Packaging Method | Tube |

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: JUNE 2024 (241) Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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>

Compatible Parts



Customers Also Bought



TE Part #5-292208-4
MINI CT D/R DIP 34P BLACK



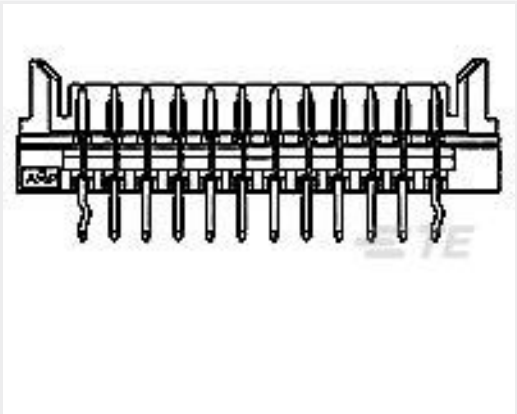
TE Part #3-917946-1
2.0 AF REC ASSY 30P EMOSS ASS



TE Part #5-292208-6
MINI CT D/R DIP 36P BLACK



TE Part #3-292208-8
MINI CT D/R DIP 38P V NAT



TE Part #3-179868-0
2.0 AF TAB ASSY 30P B/TRAY



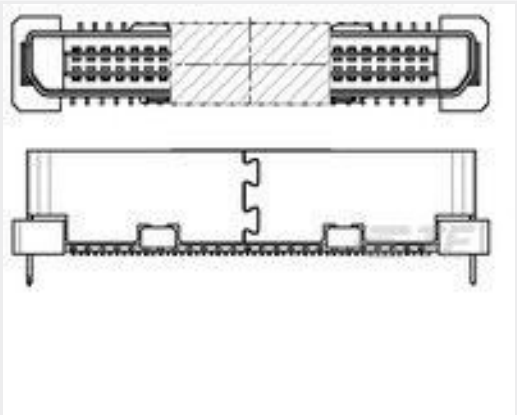
TE Part #4-292208-8
MINI CT D/R DIP 28P BLACK



TE Part #4-292208-6
MINI CT D/R DIP 26P BLACK



TE Part #2-292208-6
MINI CT D/R DIP 26P V NAT



TE Part #2040809-1
1mm WIRE TO BOARD REC ASSY
VERTICAL



TE Part #1-1318123-1
DYNAMIC D2100 HDR V ASSY 3P
SEQUENTIAL

Documents

- CAD Files

Customer View Model

[ENG_CVM_CVM_2-5175887-9_O.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-5175887-9_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-5175887-9_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



[Agency Approvals](#)

[UL Report](#)

English