

316229-3

✓ ACTIVE

Free Height

TE Internal #: 316229-3

PCB Mount Header, Right Angle, Board-to-Board, 80 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Free Height

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Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Header**PCB Mount Orientation: **Right Angle**Connector System: **Board-to-Board**Number of Positions: **80**Centerline (Pitch): **.8 mm [.031 in]****Features****Electrical Characteristics**

| | |
|---------------------------------------|---------|
| Operating Voltage | 100 VAC |
| Insulation Resistance | 2 MΩ |
| Dielectric Withstanding Voltage (Max) | 500 VAC |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 5.12 mm [.202 in] |
|------------------|-------------------|

Packaging Features

| | |
|------------------|-------------------|
| Packaging Method | 2 in Tube, Box |
|------------------|-------------------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Housing Temperature Rating | High |
| Operating Temperature Range | -40 – 125 °C [-40 – 257 °F] |

Operation/Application

| | |
|--------------------------|--------|
| Assembly Process Feature | None |
| Circuit Application | Signal |

Mechanical Attachment

| | |
|-----------------------------------|----------------|
| Mounting Alignment Feature Length | 2 mm [.079 in] |
| Mating Alignment Type | Polarization |
| PCB Mount Retention Type | Housing Peg |

| | |
|--------------------------|-------------|
| PCB Mount Alignment Type | Housing Peg |
| PCB Mount Retention | With |
| PCB Mount Alignment | With |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Width | .25 mm[.01 in] |
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Termination Post & Tail Length | 2.38 mm[.093 in] |
| Termination Method to PCB | Through Hole - Solder |

Contact Features

| | |
|---|----------------------------|
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Mating Area Plating Material Thickness | .3 μ m[11.81 μ in] |
| Mating Tab Width | .4 mm[.016 in] |
| PCB Contact Termination Area Plating Material Thickness | 2 μ m[78.74 μ in] |
| Contact Layout | Inline |
| Contact Base Material | Brass |
| Mating Tab Thickness | .2 mm[.008 in] |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material | Gold |
| Contact Type | Tab |
| Contact Current Rating (Max) | .5 A |

Housing Features

| | |
|--------------------|----------------|
| Housing Material | Matte |
| Centerline (Pitch) | .8 mm[.031 in] |

Configuration Features

| | |
|-----------------------|-------------|
| Stackable | Yes |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 80 |

Product Type Features

| | |
|-----------------------------|------------------|
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Board-to-Board |

| | |
|-----------------------------------|-----------------------|
| Header Type | Fully Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Body Features

| | |
|-----------------------|---------|
| Primary Product Color | Natural |
|-----------------------|---------|

Industry Standards

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

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

Product Compliance

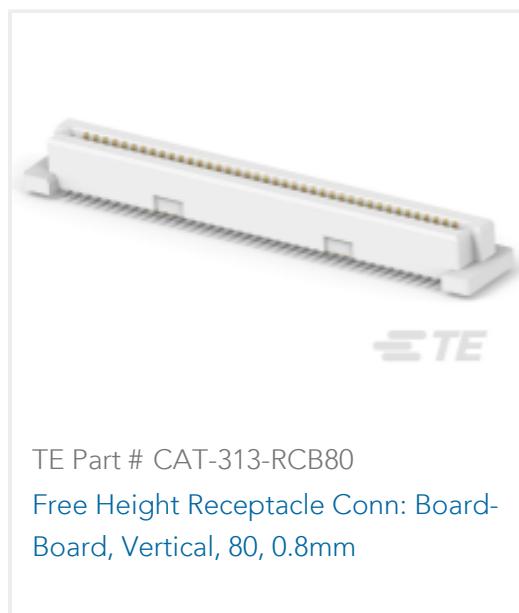
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JUNE 2022 (224) 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

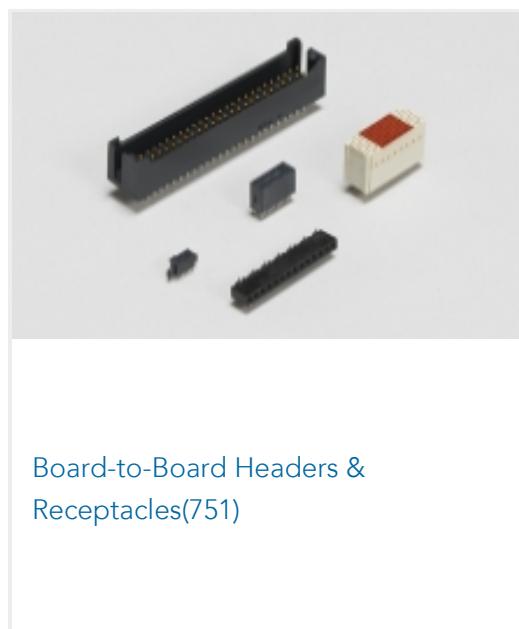
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

Compatible Parts



TE Part # CAT-313-RCB80
Free Height Receptacle Conn: Board-to-Board, Vertical, 80, 0.8mm

Also in the Series | [Free Height](#)



Board-to-Board Headers & Receptacles(751)



PCB Headers & Receptacles(751)

Customers Also Bought



TE Part #6339167-3
ASSY,SHLD,1X4,MJ,WAVE PNL



TE Part #8-1625868-8
RP 2A 0.25W 43R2 0.1% 25PPM 1K RL



TE Part #8-2176091-6
RP 2A 0.25W 464R 0.1% 25PPM 1K RL



TE Part #6-2176381-0
RQ 0805 51K1 0.1% 10PPM 5K RL



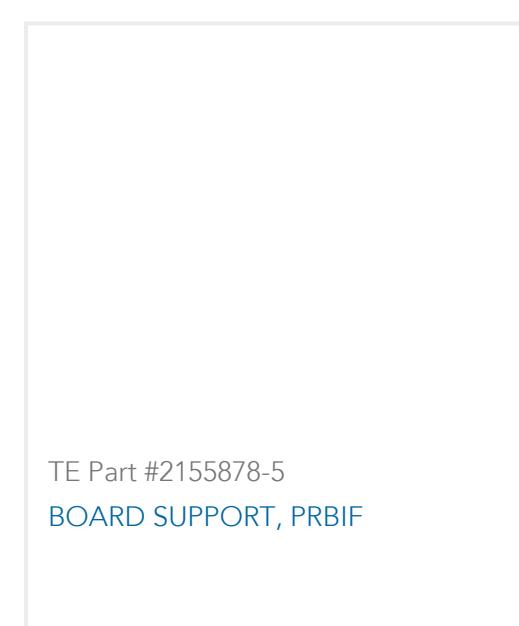
TE Part #5-103169-5
14 MODII HDR DRST SHRD .100CL



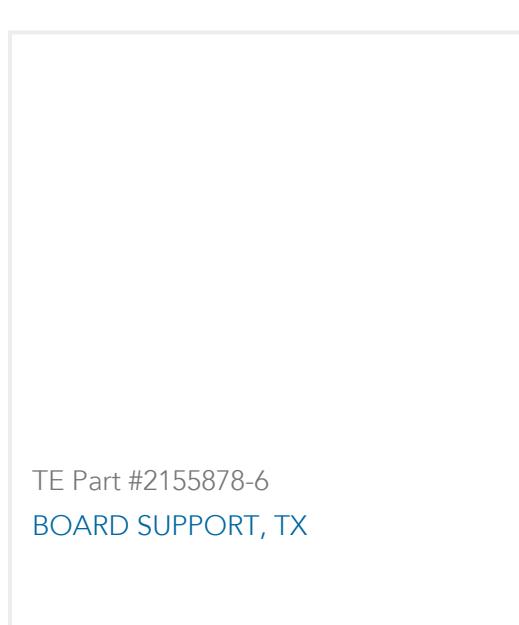
TE Part #2-1623703-0
CPG0603 10K 1% 50PPM



TE Part #2155878-4
BOARD SUPPORT, PRBH



TE Part #2155878-5
BOARD SUPPORT, PRBIF



TE Part #2155878-6
BOARD SUPPORT, TX



TE Part #5-2176380-2
RQ 0805 3K92 0.1% 10PPM 5K RL

Documents

Product Drawings

0.8 FH PLUG ASSY 80P R/ANGLE

Japanese

CAD Files

3D PDF

English

Customer View Model

[ENG_CVM_316229-3_F.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_316229-3_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_316229-3_F.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

Product Specifications

Product Specification

English