

5532436-5 ✓ ACTIVE

AMP-HDI

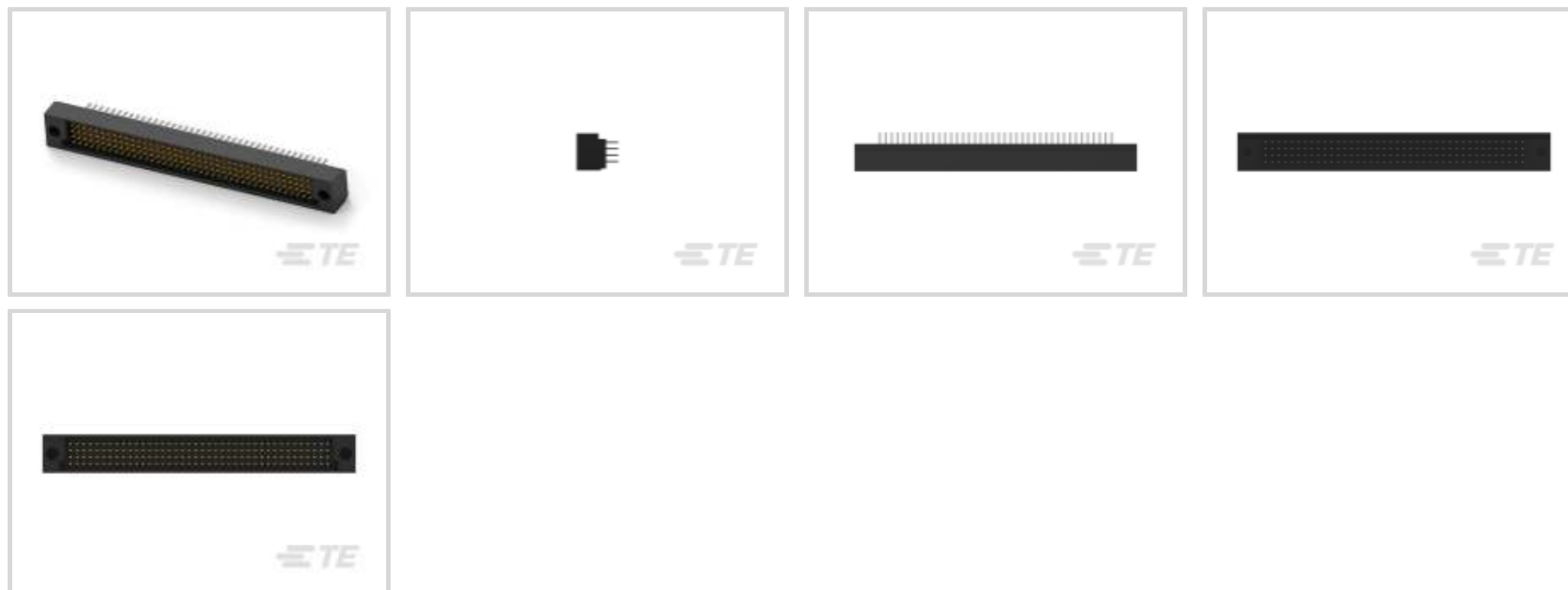
TE Internal #: 5532436-5

PCB Mount Header, Vertical, Board-to-Board, 160 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Signal, Black

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **160**

Number of Rows: **4**

Features

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 |

Configuration Features

| | |
|-----------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 160 |
| Number of Rows | 4 |

Electrical Characteristics

| | |
|-----------------------|------|
| Insulation Resistance | 4 MΩ |
|-----------------------|------|

Body Features

| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|



Contact Features

| | |
|---|----------------------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | .1 μ m[3.937 μ in] |
| Contact Layout | Matrix |
| Contact Shape & Form | Four Beam |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold |
| | 29.9212 μ m |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

Termination Features

| | |
|---|-----------------------|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 4.83 mm[.19 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Mating Alignment | Without |
| PCB Mount Retention | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Material | Thermoplastic |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 11.73 mm[.461 in] |
|------------------|-------------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Housing Temperature Rating | High |
| Operating Temperature Range | -65 – 125 °C[-85 – 257 °F] |

Operation/Application

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

Industry Standards

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



Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 4 |
| Packaging Type | 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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 | Pin-in-Paste capable to 260°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

| | | | |
|---|--|---|---|
|  <p>TE Part # 532903-5 HDI RECP ASSY 4 ROW 160 POS</p> |  <p>TE Part # 532434-5 HDI RECP ASSY 4 ROW 160 POS</p> |  <p>TE Part # 5532434-5 ASSY,RECPT,R.ANGLE,HDI,LEAD-FR</p> |  <p>TE Part # 5532903-5 ASSY,RECPT,R.ANGLE,HDI,LEAD-FR</p> |
|---|--|---|---|

Customers Also Bought



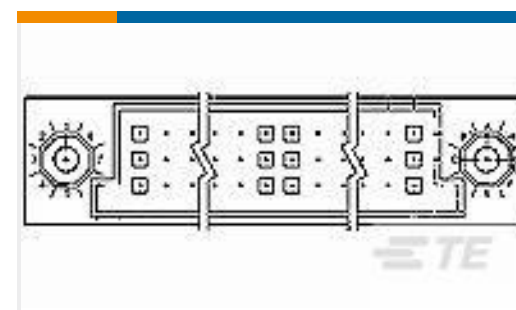
TE Part #499252-2
020 STRAIN RELIEF A-L RCPT



TE Part #532903-5
HDI RECP ASSY 4 ROW 160 POS



TE Part #2-406541-2
MJ, INV, 1X1, 6PNL G., .100" ST, SN,
NARROW POST



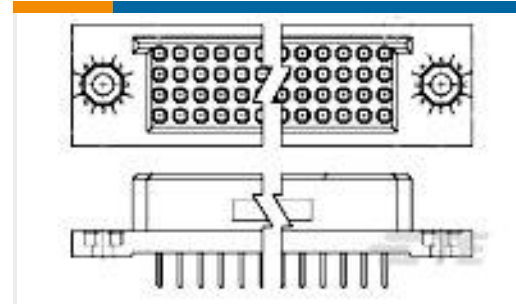
TE Part #532447-8
HDI PIN ASSY 3 ROW 165 POS



TE Part #2150086-1
OCEAN-2.0-APPLICATOR-E-090F1000



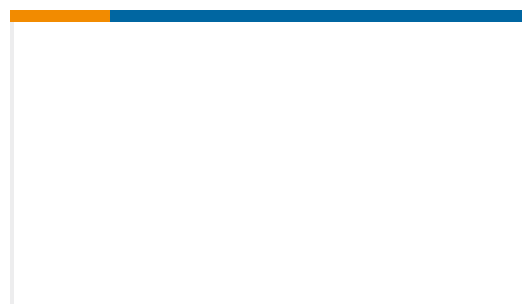
TE Part #2150482-1
OCEAN_2.0_Applicator-E-070F090F



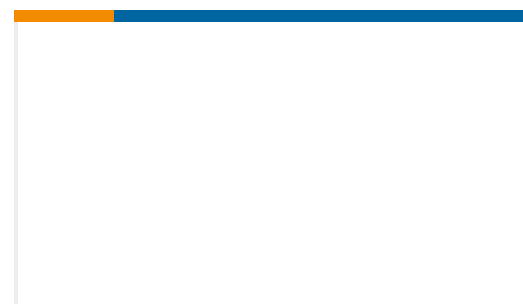
TE Part #533492-1
BOX II 4 ROW RECP ASSY 160 POS



TE Part #7-2150482-7
OCEAN_2.0_SPARE_PART_KIT-
070F090F



TE Part #1-582589-1
AMP-TAB ASSY. 22 POS.



TE Part #YGED27-12-12S6V003
PLUG ASSY

Documents

Product Drawings

[ASSY,PIN,VERTICAL,HDI,LEAD-FRE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_5532436-5_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5532436-5_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5532436-5_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages



[1-1773957-5_AMP_HDI_BTBT_CONNECTORS_EN](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English