

1-5535512-8 ✓ ACTIVE

AMPMODU | Modu Connector System

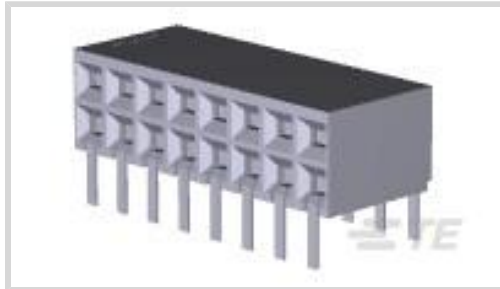
TE Internal #: 1-5535512-8

PCB Mount Receptacle, Right Angle / Horizontal, Board-to-Board,
16 Position, 2.54 mm [.1 in] Centerline, Gold, Modu Connector
System

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Horizontal, Right Angle**

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

Number of Positions: **16**

Number of Rows: **2**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Applied Pressure | High, Standard |
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-----------------------|-------------------------|
| Stackable | Yes |
| PCB Mount Orientation | Horizontal, Right Angle |
| Number of Positions | 16 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|-----------------------|-----------------|
| Insulation Resistance | 5000 M Ω |
| Operating Voltage | 333 VAC |

Body Features

| | |
|-----------------------|----------|
| Connector Profile | Standard |
| Primary Product Color | Black |

Contact Features

| | |
|-------------------------|----------------------|
| Contact Protection Type | Closed Entry Housing |
|-------------------------|----------------------|



| | |
|---|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 3.81 – 7.62 μm |
| Contact Shape & Form | Short Point |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .762 μm[30 μin] |
| Contact Type | Socket |
| Contact Current Rating (Max) | 2 A |

Termination Features

| | |
|---|-----------------------|
| Rectangular Termination Post & Tail Thickness | .2 mm[.008 in] |
| Rectangular Termination Post & Tail Width | .69 mm[.027 in] |
| Termination Post & Tail Length | 2.92 mm[.115 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

| | |
|-----------------------|----------------|
| Mating Entry Location | Side |
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Material | Polyester - GF |

Dimensions

| | |
|-----------------------------|------------------------------|
| Connector Height | 6.05 mm[.238 in] |
| Row-to-Row Spacing | 2.54 mm, 7.87 mm[.31 in] |
| Stack Height | 8.13 mm[.32 in] |
| PCB Thickness (Recommended) | 1.4 – 2.4 mm[.055 – .094 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Housing Temperature Rating | High |
| Operating Temperature Range | -65 – 125 °C[-85 – 221 °F] |

Operation/Application



| | |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|--------------------|-----------|
| Packaging Quantity | 28 |
| Packaging Type | Box, Tube |

Product Compliance

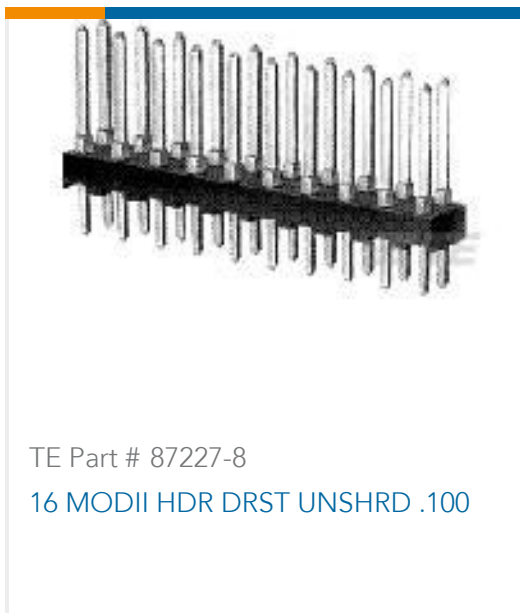
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|--|
| 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 | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Reflow solder 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



TE Part # 87227-8
16 MODII HDR DRST UNSHRD .100



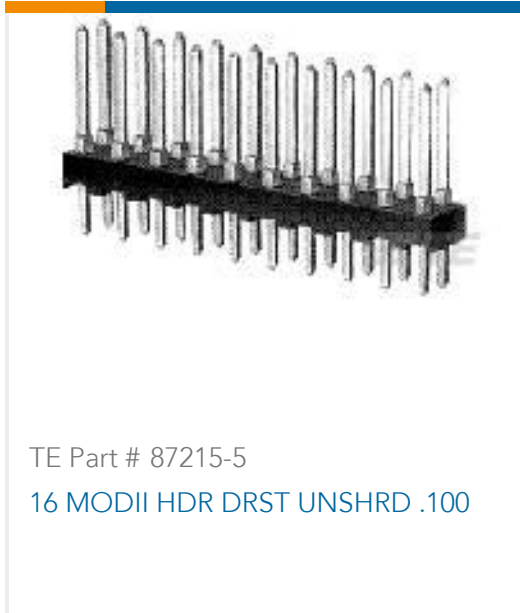
TE Part # 86479-2
16 MODII HDR DRRA UNSHRD .100



TE Part # 5-146257-8
16 MODII HDR DRST B/A .100CL L



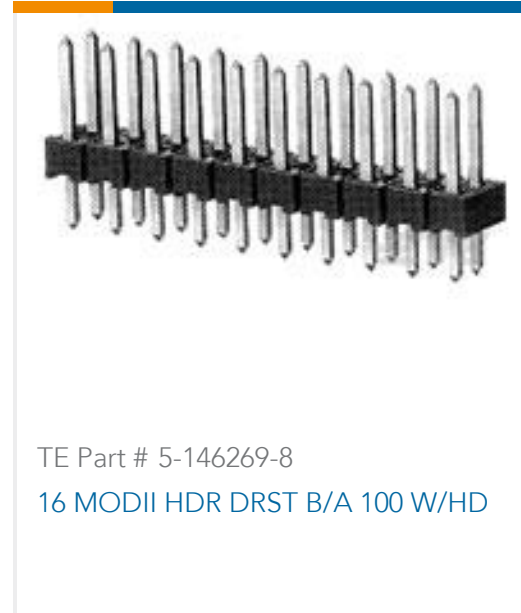
TE Part # 5-146130-7
16 MODII HDR DRST SFMNT B/A LF



TE Part # 87215-5
16 MODII HDR DRST UNSHRD .100



TE Part # 87230-8
16 MODII HDR DRRA UNSHRD .100



TE Part # 5-146269-8
16 MODII HDR DRST B/A 100 W/HD



TE Part # 5-146261-8
16 MODII HDR DRST B/A .100CL LF



TE Part # 5-146308-8
16 MODII HDR DRRA B/A .100



TE Part # 3-86479-4
60 MODII HDR DRRA UNSHRD .100

Also in the Series | Modu Connector System



Automotive Housings(2)



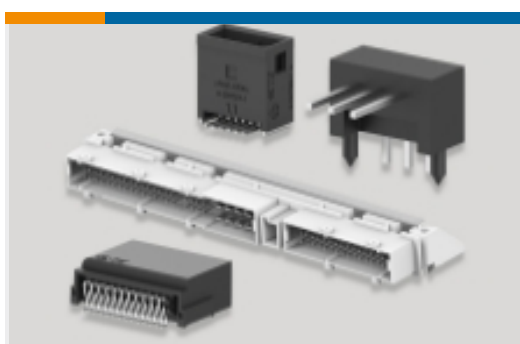
Board-to-Board Jumpers & Shunts(5)



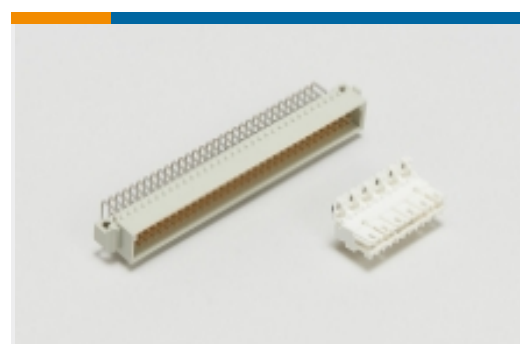
PCB Connector Covers(4)



PCB Connector Keying(4)



PCB Headers & Receptacles(1245)



Standard Edge Connectors(2)

Customers Also Bought



TE Part #86479-2
16 MODII HDR DRRRA UNSHRD .100



TE Part #1-5569262-1
STK MJ ASSY, 8POS, 2X4, SHLD, CAT5



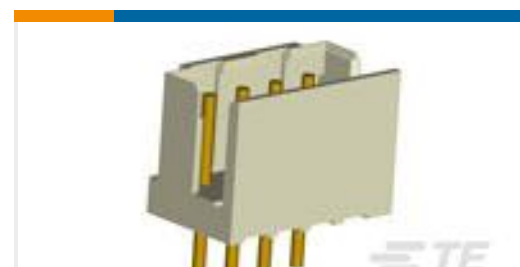
TE Part #4-2176306-0
RP 1E 0.1W 2K94 0.1% 25PPM 5K RL



TE Part #1735610-1
ASSY, SAS PLUG, SMT, 15+7+7P



TE Part #1-1734709-3
1.0 WTB HDR SR RA 13 POS



TE Part #292165-2
CT P/HDR BOX V 2P T/P NAT



TE Part #6450750-2
MBXL VERT RCPT STR, PF, 2P+48S+2P



TE Part #2001975-1
IBM 95P6038 DISCRETE JST
WRAPPLUG



TE Part #2231253-1
IBM 00FW048 DSCRT PWR



TE Part #6713476-3
IBM 23R3664 ENET CAT5

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-5535512-8_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5535512-8_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5535512-8_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTIONS](#)

English

Product Specifications



Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English