

1-104652-0 ✓ ACTIVE

AMPMODU | AMPMODU 50/50 Grid

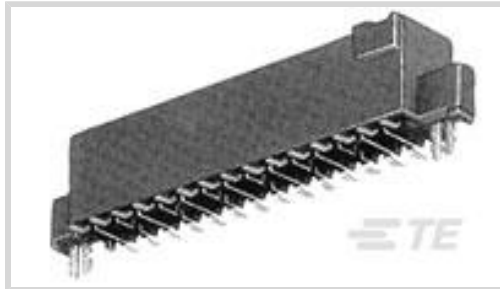
TE Internal #: 1-104652-0

PCB Mount Receptacle, Vertical, Board-to-Board, 100 Position, 1.27 mm [.05 in] Centerline, Gold, Surface Mount, Signal, Black, AMPMODU 50/50 Grid

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **100**

Number of Rows: **2**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Connector System | Board-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|------------------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 100 |
| Number of Rows | 2 |
| Board-to-Board Configuration | Parallel |

Electrical Characteristics

| | |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
| Operating Voltage | 30 VAC |

Body Features

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|--|----------------------|
| PCB Retention Feature Material | Copper Alloy |
| PCB Retention Feature Plating Material | Tin-Lead over Nickel |
| Primary Product Color | Black |

Contact Features

| | |
|---------------------|----------------------------|
| Mating Pin Diameter | 150 μin .46 mm[.018 in] |
|---------------------|----------------------------|



| | |
|--|-----------------|
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .762 μm[30 μin] |
| Contact Type | Socket |
| Contact Current Rating (Max) | .5 A |

Termination Features

| | |
|---|-----------------|
| Rectangular Termination Post & Tail Thickness | .08 mm[.003 in] |
| Rectangular Termination Post & Tail Width | .36 mm[.014 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

| | |
|--------------------------|----------------|
| PCB Mount Retention Type | Hold-Down Post |
| Mating Alignment | With |
| Mating Alignment Type | Polarizing Tab |
| PCB Mount Retention | With |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |

Housing Features

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|--------------------|-----------------------------------|
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material | LCP - GF (Liquid Crystal Polymer) |

Dimensions

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|-----------------------------|------------------|
| Connector Height | 4.75 mm[.187 in] |
| Row-to-Row Spacing | 1.27 mm[.05 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

Usage Conditions

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|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °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 | 8 |
| Packaging Type | Box, Tube |

Product Compliance

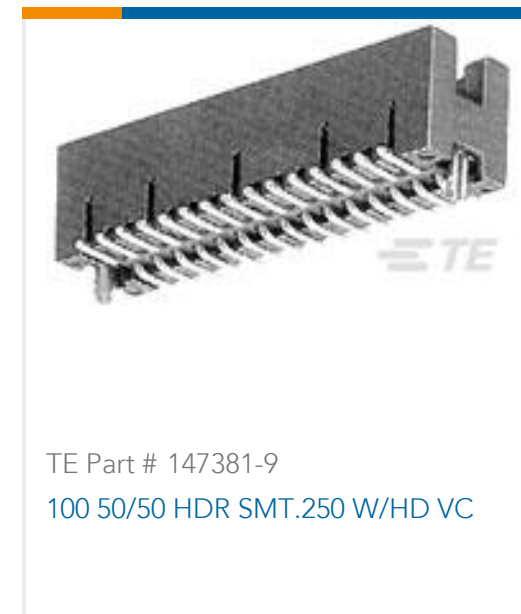
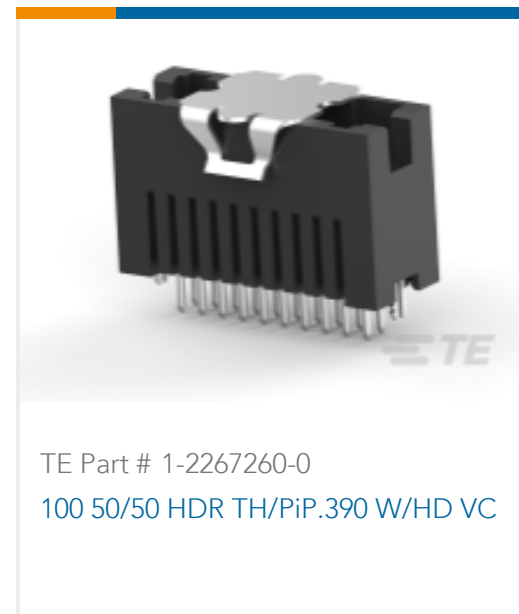
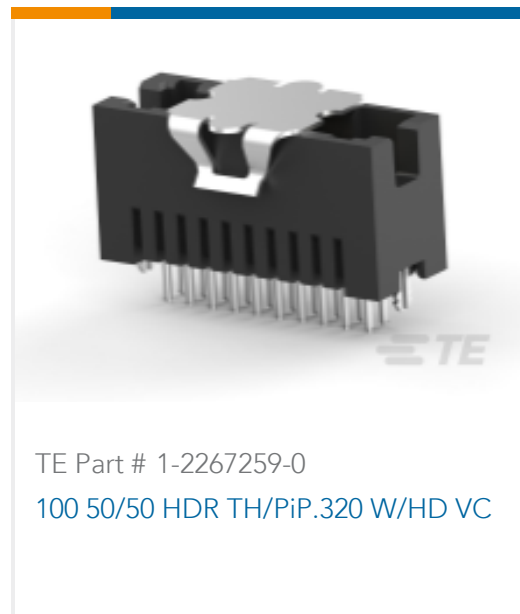
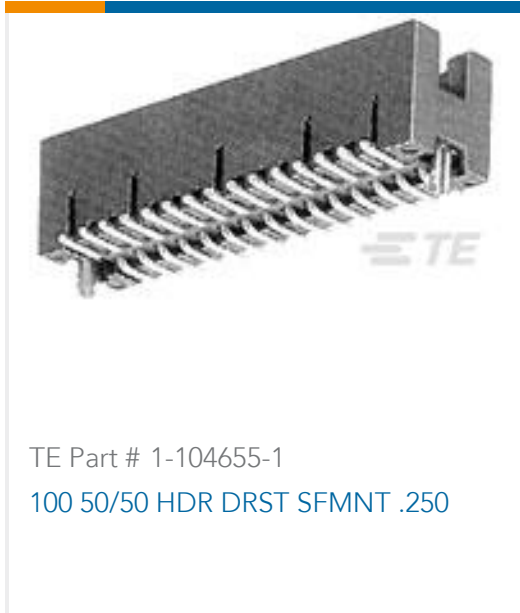
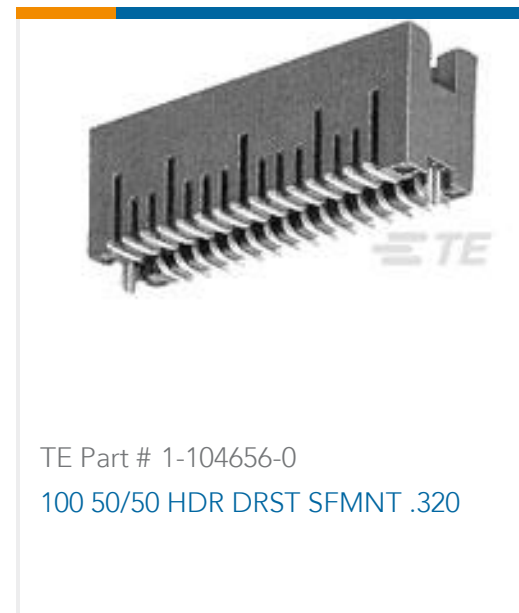
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°C |

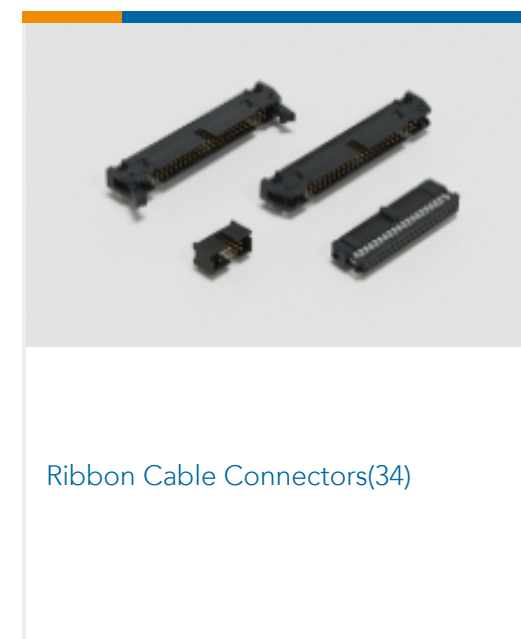
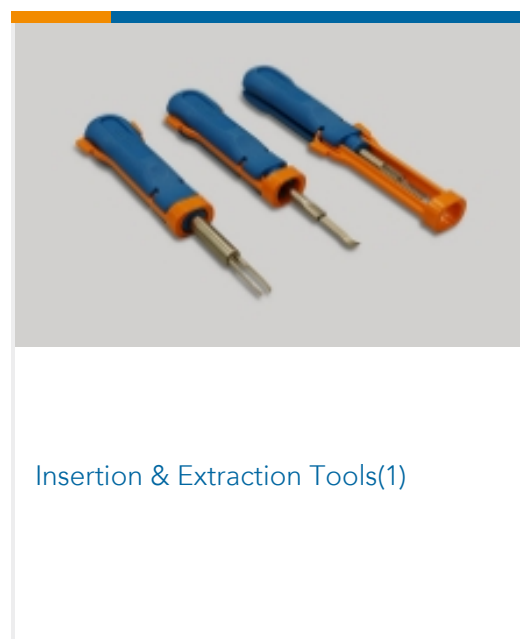
Product Compliance Disclaimer

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

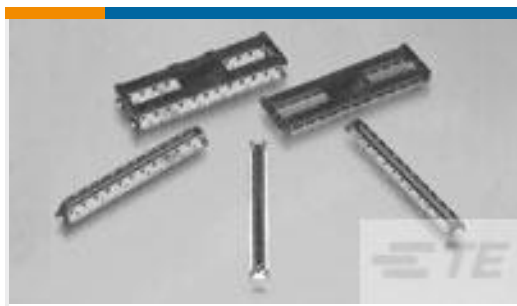


Also in the Series | **AMPMODU 50/50 Grid**



Customers Also Bought

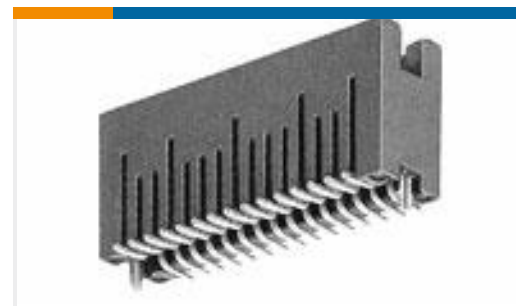




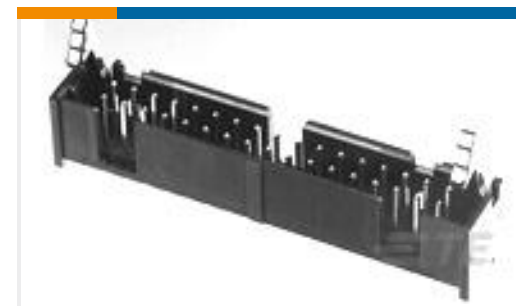
TE Part #3-1827231-6
5FHR04H,440,B,GIG,08/Sn,HT,NS



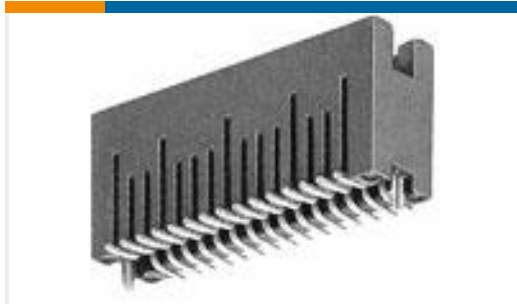
TE Part #1825059-5
ADF02ST04=DIP SWT,FLUSH,SMT-GW



TE Part #5-104693-6
60 50/50 HDR DRST SFMNT.390 SN



TE Part #3-1761606-5
IDC LOW PRO HDR 50P VERT LG LA



TE Part #5-147383-4
40 50/50 HDR SMT.390 W/HD VC

Documents

Product Drawings

[100 50/50 GRID DRST SFMNT RCPT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-104652-0_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-104652-0_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-104652-0_L.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English