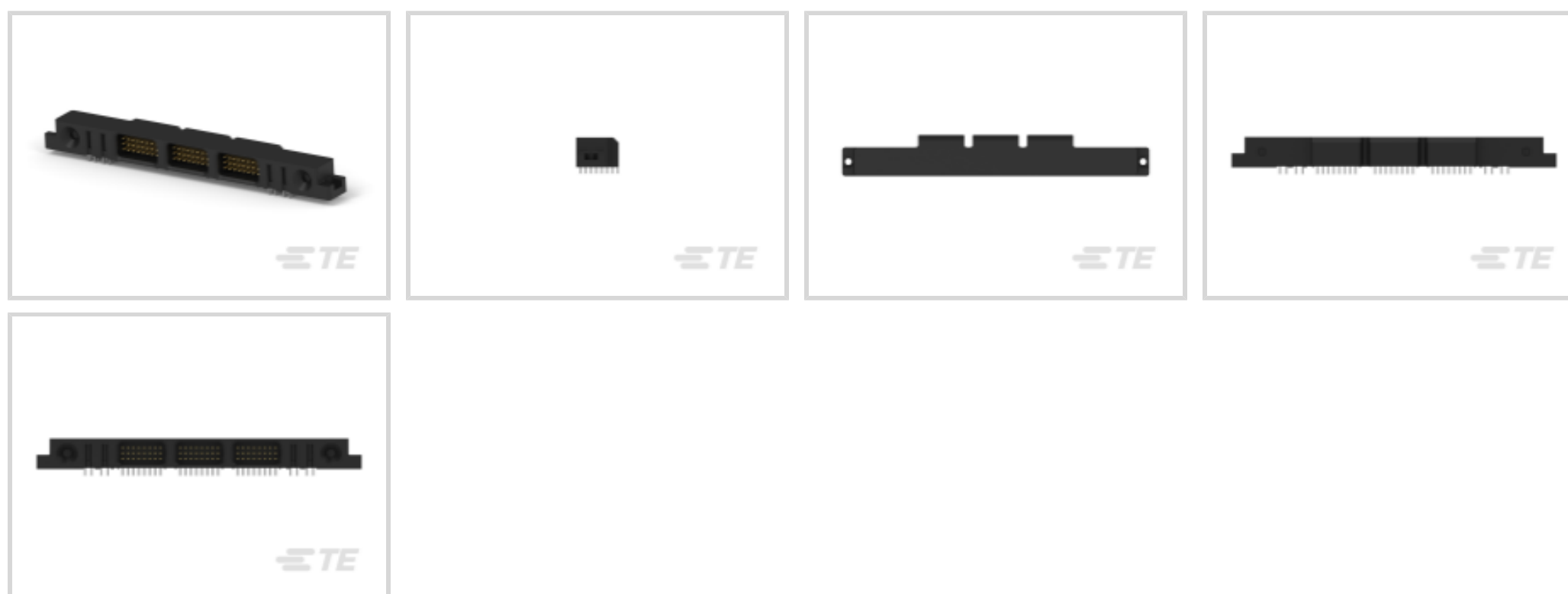


TE Internal #: 2085123-1
 PCB Mount Plug, Right Angle, Board-to-Board, 76 Position, 2.5 mm / 7.5 mm [.098 in / .295 in] Centerline, Gold, Through Hole - Solder, Power & Signal

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Plug**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **76**

Number of Rows: **3**

Features

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|

Dimensions

| | |
|-----------------------------|--------------------------------|
| Row-to-Row Spacing | 2.5 mm[.098 in] |
| Connector Width | 14 mm[.551 in] |
| PCB Thickness (Recommended) | 1.57 – 3.18 mm[.062 – .125 in] |
| Connector Height | 14 mm[.551 in] |
| Connector Length | 149.5 mm[5.88 in] |

Packaging Features

| | |
|--------------------|---------|
| Packaging Quantity | 64 |
| Packaging Method | Package |

Industry Standards

| | |
|------------------------|-------------------------------|
| Glow Wire Rating | Standard Part - Not Glow Wire |
| UL Flammability Rating | UL 94V-0 |

Usage Conditions



| | |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 105 °C[221 °F] |
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |

Mechanical Attachment

| | |
|--------------------------|-------------------------|
| PCB Mount Retention Type | Flange w/Mounting Holes |
| PCB Mount Retention | With |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Board Mount |
| Mating Alignment | Without |

Termination Features

| | |
|--------------------------------|-----------------------|
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to PCB | Through Hole - Solder |

Contact Features

| | |
|---|--|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 1.27 µm[50 µin] |
| Contact Mating Area Plating Material Thickness | .76 µm[30 µin] |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Mating Tab Width | 7 mm[.275 in] |
| PCB Contact Termination Area Plating Material Thickness | 3.05 µm[120 µin] |
| Contact Layout | Matrix |
| Contact Base Material | Phosphor Bronze, Copper Alloy, Brass Alloy |
| Mating Tab Thickness | 1.25 mm[.049 in] |
| Contact Mating Area Plating Material | Gold |
| Contact Type | Pin, Blade |
| Contact Current Rating (Max) | 3 A, 35 A |

Housing Features

| | |
|--------------------|----------------------------------|
| Housing Material | Thermoplastic Glass Reinforced |
| Centerline (Pitch) | 7.5 mm, 2.5 mm[.098 in][.295 in] |

Configuration Features

| | |
|----------------------------|-------------|
| Number of Signal Positions | 72 |
| Number of Power Positions | 4 |
| PCB Mount Orientation | Right Angle |
| Number of Positions | 76 |



| | |
|----------------|---|
| Number of Rows | 3 |
|----------------|---|

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header | Yes |
| Connector Shape | Rectangular |
| PCB Connector Assembly Type | PCB Mount Plug |
| Connector System | Board-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Body Features

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

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Other

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

Product Compliance

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

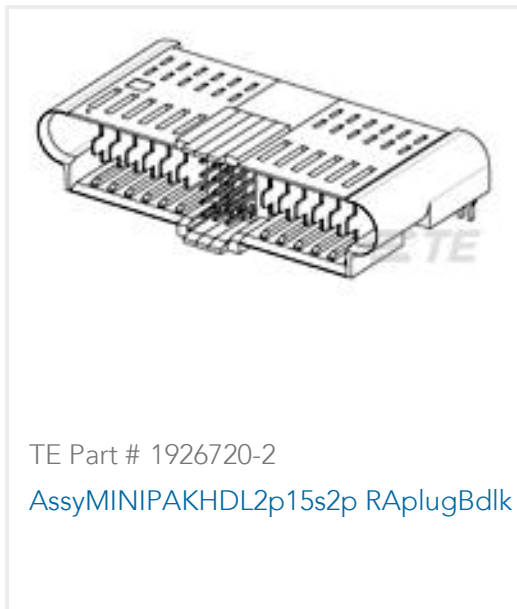
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 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

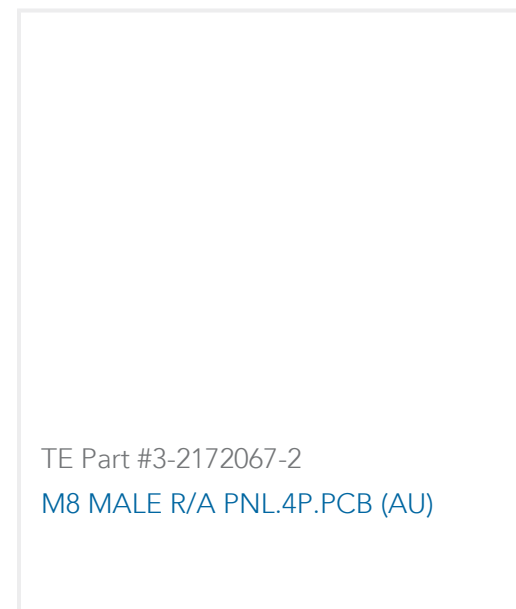
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



Documents

Product Drawings

[CONN SOCKET ASSY STRAIGHT SOLDER FLATPAQ](#)



English

CAD Files

Customer View Model

[ENG_CVM_CVM_2085123-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2085123-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2085123-1_A.3d_stp.zip](#)

English

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