

5-103911-2 ACTIVE

AMPMODU | AMPMODU System 50

TE Internal #: 5-103911-2

PCB Mount Receptacle, Right Angle, Board-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, Gold, Through Hole - Solder, Signal, AMPMODU System 50

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Connectors > PCB Connectors > PCB Headers & Receptacles



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

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **20**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	20
Number of Rows	2
Board-to-Board Configuration	Orthogonal

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Body Features

Primary Product Color	Black
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Contact Features

Mating Square Post Dimension	.38 mm [.015 in]
PCB Contact Termination Area Plating Material Thickness	3.81 µm [150 µin]
Contact Layout	Matrix

PCB Contact Termination Area Plating Material

Tin

Contact Base Material

Copper Alloy

Contact Mating Area Plating Material

Gold

Contact Mating Area Plating Material Thickness

.762 µm[30 µin]

Contact Type

Receptacle

Contact Current Rating (Max)

3.6 A

Termination Features

Rectangular Termination Post & Tail Thickness

.4 mm[.016 in]

Rectangular Termination Post & Tail Width

.2 mm[.008 in]

Termination Post & Tail Length

2.54 mm[.1 in]

Termination Method to Printed Circuit Board

Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type

Hold-Down Post

Mating Alignment

With

Mating Alignment Type

Polarization

PCB Mount Retention

With

PCB Mount Alignment

With

Connector Mounting Type

Board Mount

Housing Features

Centerline (Pitch)

1.27 mm[.05 in]

Housing Material

LCP (Liquid Crystal Polymer)

Dimensions

Connector Length

13.82 mm[.544 in]

Connector Height

5.51 mm[.217 in]

Connector Width

11.1 mm[.437 in]

Row-to-Row Spacing

2.54 mm[.1 in]

PCB Thickness (Recommended)

1.57 mm[.062 in]

Usage Conditions

Operating Temperature Range

-65 - 105 °C[-85 - 221 °F]

Operation/Application

Solder Process Feature

Board Standoff

Circuit Application

Signal

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	38
Packaging Method	Tube

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 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>

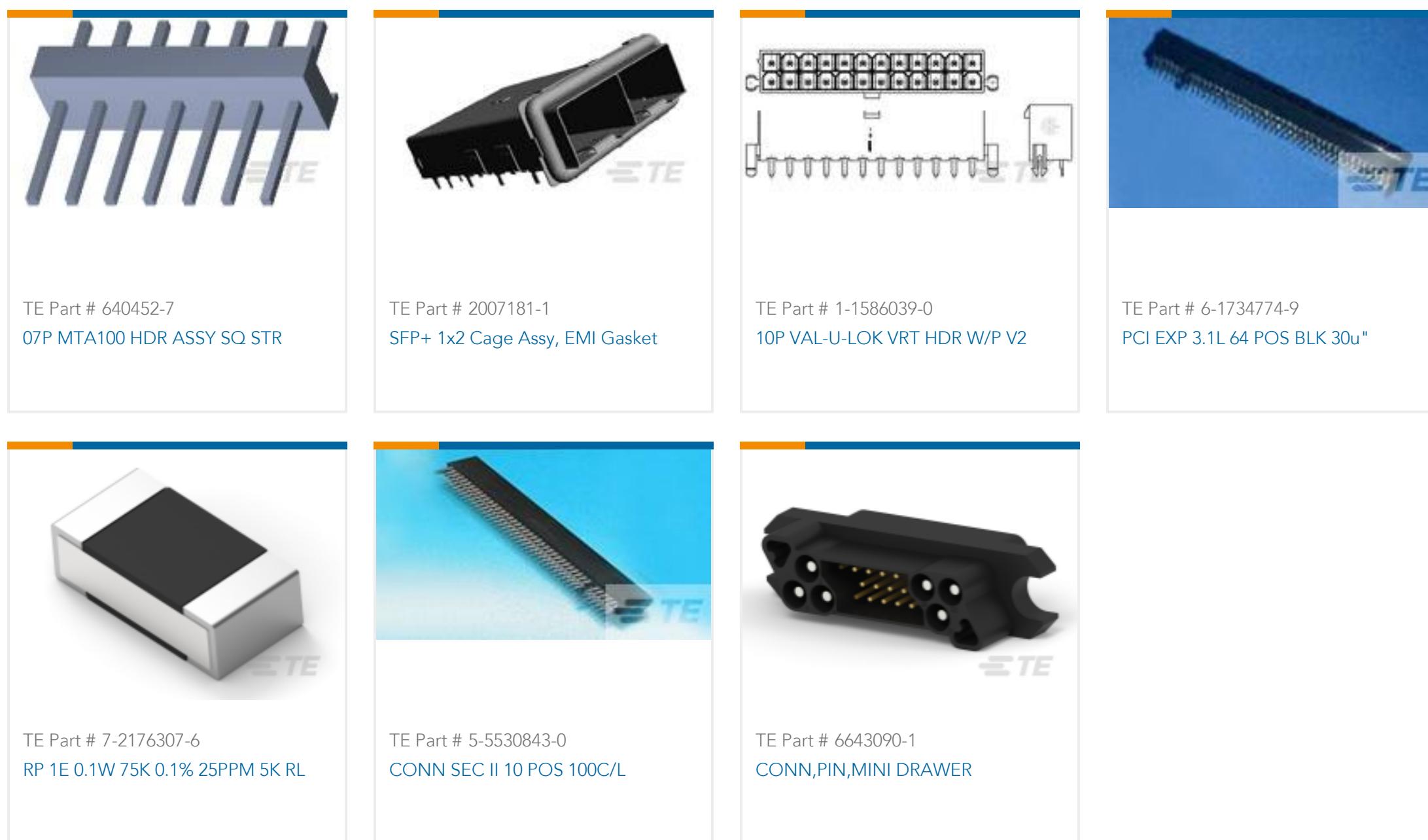
Compatible Parts



Also in the Series | AMPMODU System 50



Customers Also Bought



Documents

Product Drawings

20 SYSTEM 50 RCPT ASSY DRRA

English

CAD Files

3D PDF

3D

Customer View Model[ENG_CVM_CVM_5-103911-2_V.2d_dxf.zip](#)

English

Customer View Model[ENG_CVM_CVM_5-103911-2_V.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_5-103911-2_V.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.**Datasheets & Catalog Pages**[AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4](#)

English

Product Specifications[Application Specification](#)

English