

535512-1 ✓ ACTIVE

AMPMODU | Modu Connector System

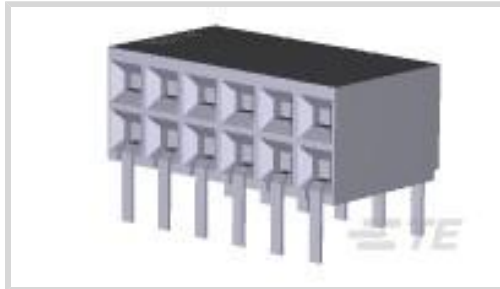
TE Internal #: 535512-1

PCB Mount Receptacle, Right Angle, Board-to-Board, 12 Position,
2.54 mm [.1 in] Centerline, Gold, Through Hole - Solder, Signal,
Modu Connector System

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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: **12**

Number of Rows: **2**

Features

Electrical Characteristics

Operating Voltage	333 VAC
Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 VAC

Dimensions

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

Packaging Features

Packaging Quantity	37
Packaging Method	Tube, Box

Industry Standards

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

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Body Features



Connector Profile	Standard
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Primary Product Color	Black
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Operation/Application

Solder Process Feature	Board Standoff
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Circuit Application	Signal
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Termination Features

Rectangular Termination Post & Tail Width	.69 mm[.027 in]
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Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
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Termination Post & Tail Length	2.92 mm[.115 in]
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Termination Method to PCB	Through Hole - Solder
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Contact Features

Contact Mating Area Plating Material Thickness	.762 μ m[30 μ in]
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Mating Square Post Dimension	.64 mm[.025 in]
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	10 μ in
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Contact Shape & Form	Short Point
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Contact Protection Type	Closed Entry Housing
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Contact Mating Area Length	3 mm[.1 in]
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin-Lead
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Contact Mating Area Plating Material	Gold
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Contact Type	Socket
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Contact Current Rating (Max)	2 A
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Housing Features

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

Stackable	Yes
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PCB Mount Orientation	Right Angle
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Number of Positions	12
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Number of Rows	2
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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

Mechanical Attachment

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

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

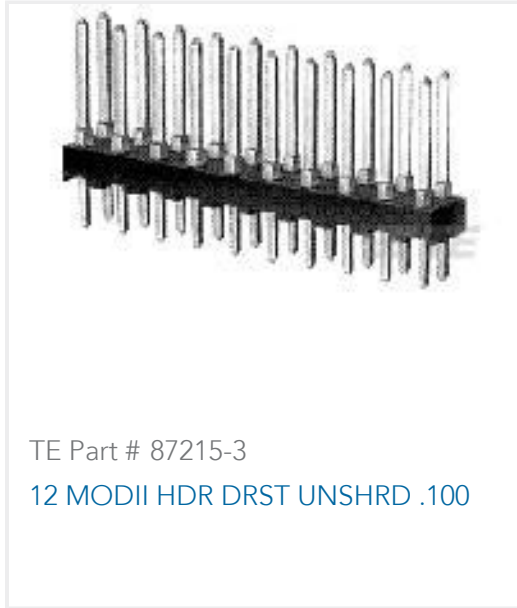
[For compliance documentation, visit the product page on TE.com>](#)

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	Reflow solder capable to 260°C

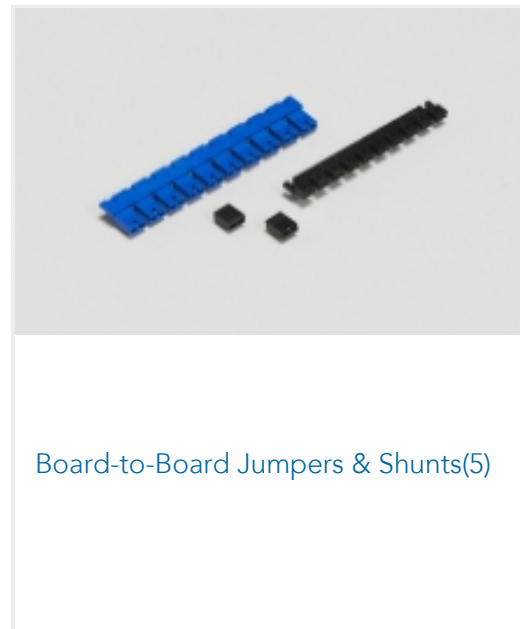
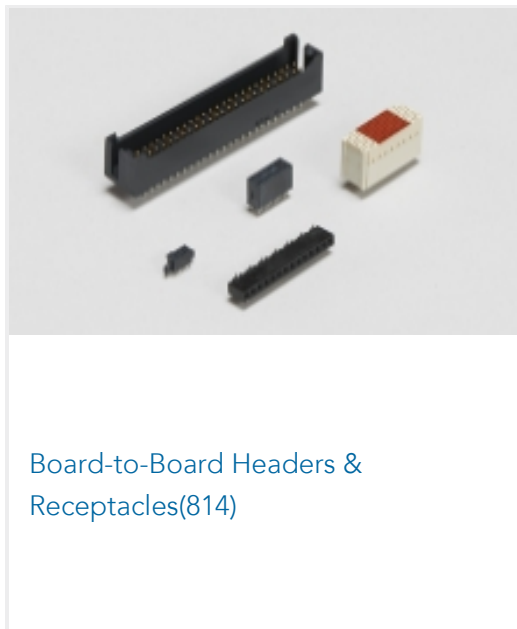
Product Compliance Disclaimer

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>

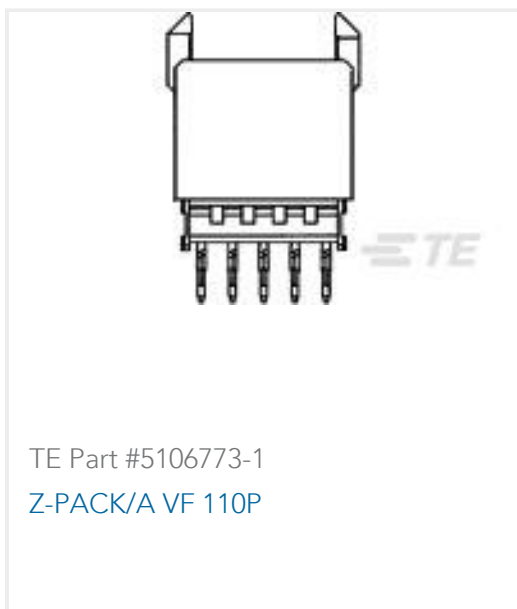
Compatible Parts

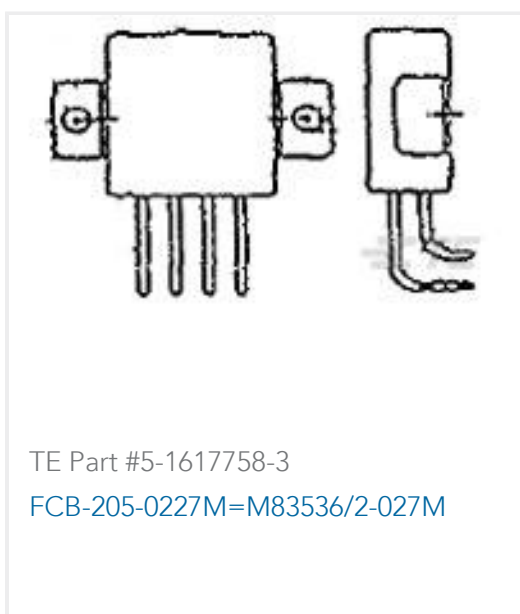


Also in the Series | Modu Connector System



Customers Also Bought





Documents

Product Drawings

[12 MODII HORZ DR CE](#)

English

CAD Files

Customer View Model

[ENG_CVM_535512-1_Y1.3d_igs.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_535512-1_Y1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_535512-1_Y1.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English