

5535512-1 ✓ ACTIVE

AMPMODU | Modu Connector System

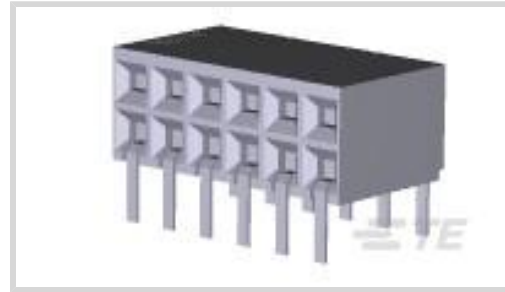
TE Internal #: 5535512-1

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

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

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

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

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	Right Angle, Horizontal
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	333 VAC
Insulation Resistance	5000 MΩ

Body Features

Connector Profile	Standard
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Primary Product Color Black

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

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]

Usage Conditions



Housing Temperature Rating	High
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	37
Packaging Method	Tube, Box

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>



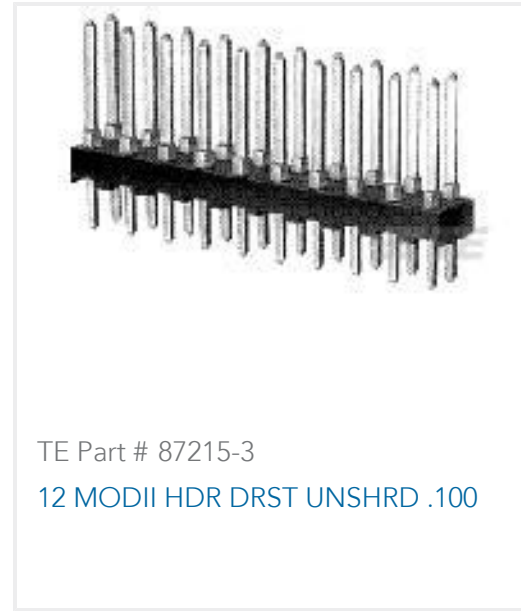
Compatible Parts



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



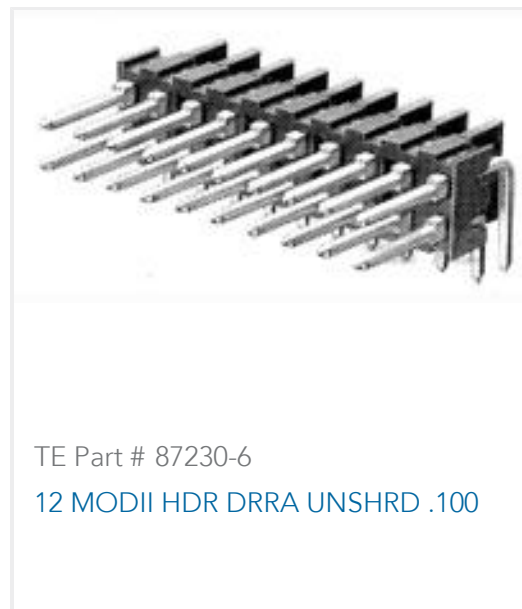
TE Part # 5-146257-6
12 MODII HDR DRST B/A .100CL L



TE Part # 87215-3
12 MODII HDR DRST UNSHRD .100



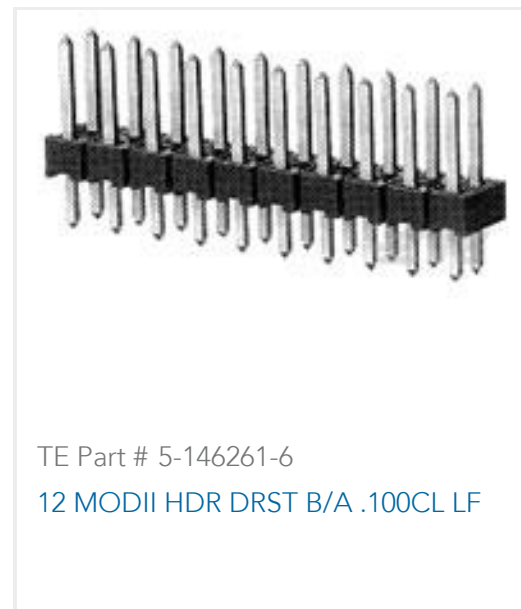
TE Part # 87227-6
12 MODII HDR DRST UNSHRD .100



TE Part # 87230-6
12 MODII HDR DRRR UNSHRD .100



TE Part # 86479-4
12 MODII HDR DRRR UNSHRD .100

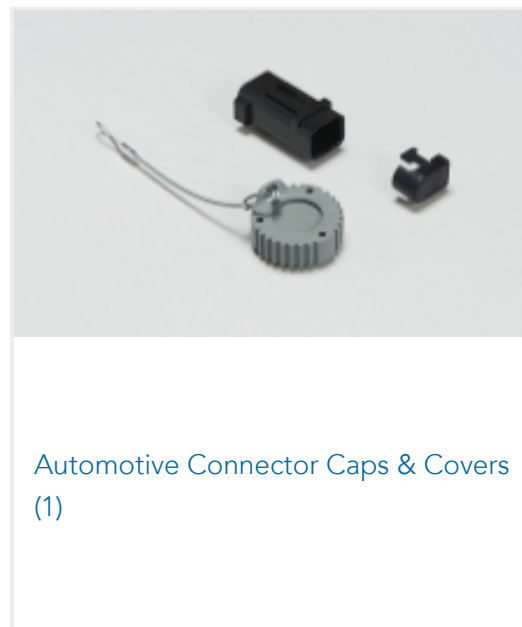


TE Part # 5-146261-6
12 MODII HDR DRST B/A .100CL LF

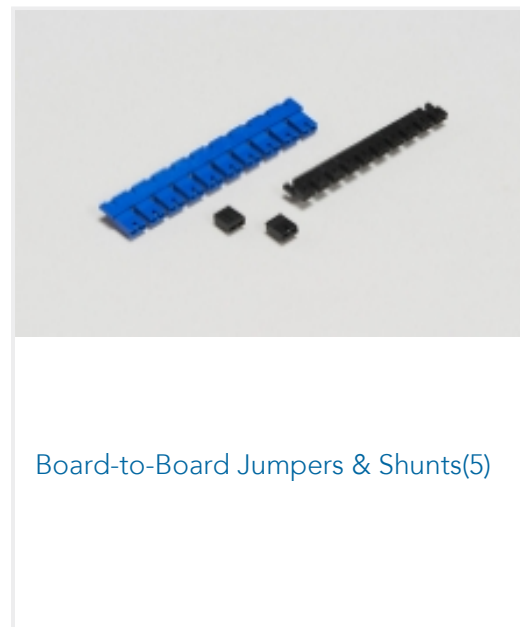


TE Part # 829043-6
6P MOD II BRK AWY HDR, DBL ROW, RT ANG, AU

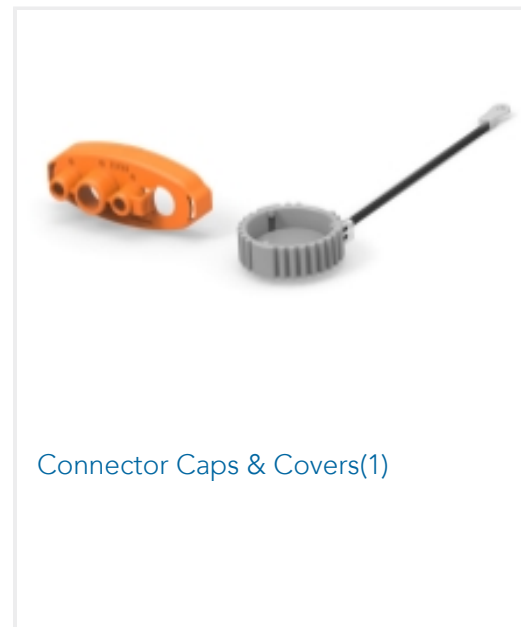
Also in the Series | Modu Connector System



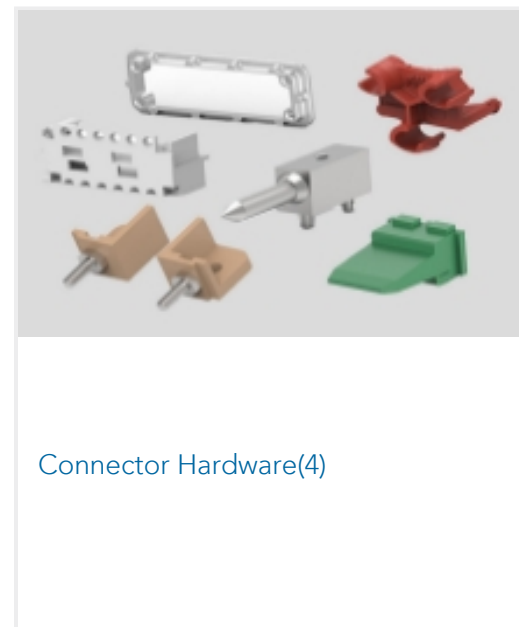
Automotive Connector Caps & Covers (1)



Board-to-Board Jumpers & Shunts (5)



Connector Caps & Covers (1)



Connector Hardware (4)



PCB Headers & Receptacles (814)

Customers Also Bought



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_5535512-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5535512-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_5535512-1_A.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_SECTION5](#)

English

Product Specifications

[Application Specification](#)

English