### AMPMODU | Modu Connector System

TE Internal #: 1-534206-5

Modu Connector System, PCB Mount Receptacle, Vertical, Board-to-Board, 30 Position, 2.54mm [.1in] Centerline, Gold, Printed

Circuit Board

View on TE.com >



Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



PCB Connector Assembly Type: PCB Mount Receptacle

PCB Mount Orientation: Vertical
Connector System: Board-to-Board

Number of Positions: 30

Centerline (Pitch): 2.54 mm [.1 in]

### **Features**

### **Product Type Features**

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

### **Configuration Features**

Number of Rows	2
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	30
Board-to-Board Configuration	Parallel

### **Electrical Characteristics**

Insulation Resistance	5000 MΩ
Operating Voltage	333 VAC

### **Body Features**

#### **Contact Features**

Contact Protection Type	Closed Entry Housing



Mating Square Post Dimension	.64 mm[.025 in]
	150 µin
Contact Shape & Form	Short Point, Square
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Contact Type	Socket
Contact Current Rating (Max)	2 A
Termination Features	
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Termination Post & Tail Length	2.92 mm[.115 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Mechanical Attachment	
Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Housing Features	
Mating Entry Location	Тор
Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Polyester - GF
Dimensions	
Connector Height	5.03 mm[.198 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	10.92 mm[.43 in]
PCB Thickness (Recommended)	1.57 mm[.055 – .094 in]
Usage Conditions	
Housing Temperature Rating	Standard
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	15
Packaging Method	Box & Tube, Tube
Other	
Comment	TE recommends mating gold or duplex plated headers with duplex plated receptacle assemblies., To obtain the minimum mating post length, add 0.51 [. 020] (not including the post lead in chamfer) to the maximum point-of-contact

dimension.

## **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	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209)  Candidate List Declared Against: JAN 2020 (205)  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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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 Model / Part # 6-102617-3 30 MODII HDR DRRA SHRD LF



TE Model / Part # 6-103166-3 30 MODII HDR DRRA SHRD LF



TE Model / Part # 6-146257-5 30 MODII HDR DRST B/A .100CL L



TE Model / Part # 1-146130-4
30 MODII HDR DRST SFMNT B/A



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



TE Model / Part # 6-146253-5 30 MODII HDR DRST B/A .100CL LF



TE Model / Part # 6-146130-4
30 MODII HDR DRST SFMNT B/A LF



TE Model / Part # 86286-1 KEYING PLUG



TE Model / Part # 1-102617-3
30 MODII HDR DRRA SHRD .100CL



TE Model / Part # 1-102699-4 30 MODII HDR DRST SHRD A/PIN



TE Model / Part # 1-102977-5 30 MODII HDR DRST B/A .100CL



TE Model / Part # 1-103166-3 30 MODII HDR DRRA SHRD .100CL



TE Model / Part # 1-146131-4
30 MODII HDR DRST SFMNT B/A



TE Model / Part # 1-146261-5 30 MODII HDR DRST B/A .100CL

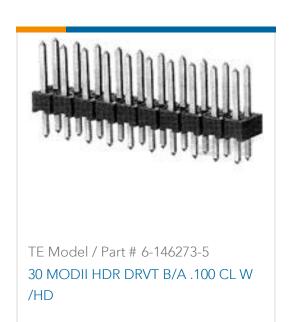


TE Model / Part # 6-146131-4
30 MODII HDR DRST SFMNT B/A LF



TE Model / Part # 6-146269-5 30 MODII HDR DRST B/A 100 W/HD





# Also in the Series | Modu Connector System



Automotive Housings(3)



Board-to-Board Headers & Receptacles(1139)



Board-to-Board Jumpers & Shunts(5)



PCB Connector Covers(4)



PCB Connector Keying(4)



PCB Terminal Blocks(2)



Standard Edge Connectors(2)

# Customers Also Bought



TE Model / Part #5747842-5
25 MSFL PLUG RA 318 (SL,FM,BL)



TE Model / Part #1-104433-3 26 MODII HDR DRST B/A W/HD



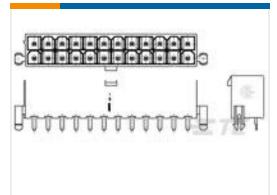
TE Model / Part #1-534206-7 34 MODII VRT DR CE 100/115



TE Model / Part #6-534206-5 30 MODII VRT DR CE 100/115



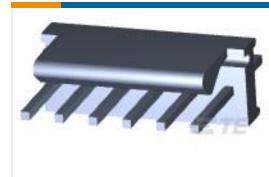
TE Model / Part #2-5747709-0 37 RCPT SP/FMS BRDLK



TE Model / Part #1586039-8 8P VAL-U-LOK VRT HDR W/P V2



TE Model / Part #3-794620-4 04P MICRO MNL ASSY,R/A,HDR,LF



TE Model / Part #3-641126-6 06P MTA100 HDR ASY FL/STR LF





### **Documents**

### **Product Drawings**

30 MODII VRT DR CE 100/115

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-534206-5\_N.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-534206-5\_N.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-534206-5\_N.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## **Product Specifications**

**Application Specification** 

English

### Product Environmental Compliance

TE Material Declaration

English

### **Agency Approvals**

**UL Report** 

English