



Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles

PCB Connector Assembly Type: **PCB Mount Receptacle**PCB Mount Orientation: **Vertical**Connector System: **Board-to-Board**Number of Positions: **10**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

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2
Board-to-Board Configuration	Parallel

### Body Features

Connector Profile	Standard
Primary Product Color	Black

### Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.5 µm
Mating Pin Diameter	.63 mm[.025 in]
PCB Contact Termination Area Plating Material	Tin



Contact Base Material	Copper Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Contact Type	Socket
Contact Current Rating (Max)	3 A

#### Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.7 mm[.027 in]
Termination Method to Printed Circuit Board	Surface Mount

#### Mechanical Attachment

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

#### Housing Features

Mating Entry Location	Bottom
Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	PCT GF

#### Dimensions

Connector Height	7 mm[.276 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	6.35 mm[.25 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

#### Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
-----------------------------	----------------------------

#### Operation/Application

Circuit Application	Signal
---------------------	--------

#### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

#### Packaging Features

Packaging Quantity	41
Packaging Type	Box, Tube



## 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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	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

 <p>TE Part # 5-102975-5 10 MODII HDR DRRR B/A .100CL</p>	 <p>TE Part # 5-147279-2 10 MODII HDR DR SFMT B/A T&amp;R LF</p>	 <p>TE Part # 104350-5 10 MODII HDR DRST B/A W/HD</p>	 <p>TE Part # 5-103326-5 10 MODII HDR DRRR B/A .100CL</p>
--------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------



TE Part # 104351-5  
10 MODII HDR DRST B/A W/HD



TE Part # 103783-5  
10 MODII HDR DRST B/A .100CL



TE Part # 5-103801-5  
10 MODII HDR DRRA B/A .100CL



TE Part # 104433-5  
10 MODII HDR DRST B/A W/HD



TE Part # 5-103675-5  
09/10 MODII HDR DRST B/A .100 LF

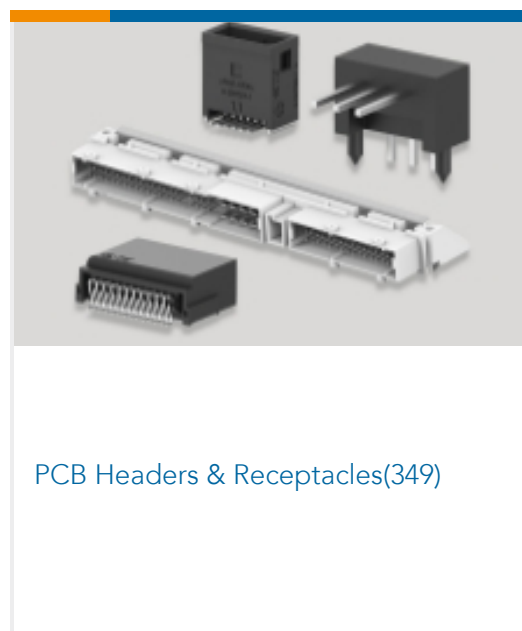


TE Part # 5-147062-7  
9/10 MODII HDR DRST B/A SL



TE Part # 5-147115-4  
9/10 MODII HDR DRST SFMT B/A

## Also in the Series | AMPMODU HV-100/HV-190



PCB Headers & Receptacles(349)

## Documents

### Product Drawings

2x5P HV100 REC. CON, SMD, GOLD,TUBE PACK

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_966645-5\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_966645-5\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_966645-5\\_A.3d\\_stp.zip](#)

English

966645-5

PCB Mount Receptacle, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1 in]  
Centerline, Gold, Surface Mount, Signal, Black, AMPMODU HV-100/HV-190



By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.