1-966645-0 ✔ ACTIVE

AMPMODU | AMPMODU HV-100/HV-190

TE Internal #: 1-966645-0

AMPMODU HV-100/HV-190, PCB Mount Receptacle, Vertical, Board-to-Board, 20 Position, 2.54mm [.1in] Centerline, Gold, Printed Circuit Board

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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: **20**

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

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

Number of Rows	2
Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	20
Board-to-Board Configuration	Parallel

Body Features

Connector Profile	Standard

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 Color	Black
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	20
Packaging Method	Box & Tube, Tube

Product Compliance

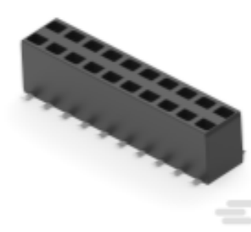
For compliance documentation, visit the product page on TE.com>

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 265°C

Product Compliance Disclaimer

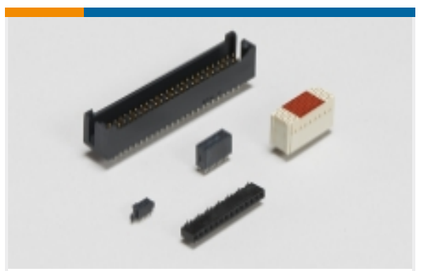
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



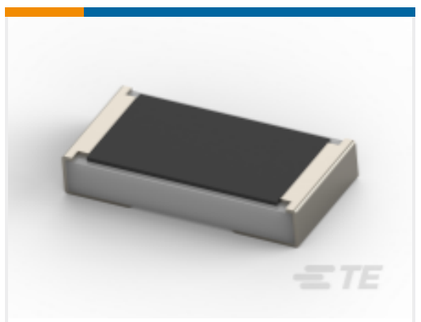
TE Part # 1-969973-0
2x10P HV100 REC. CON, SMD, GOLD, BLISTER

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

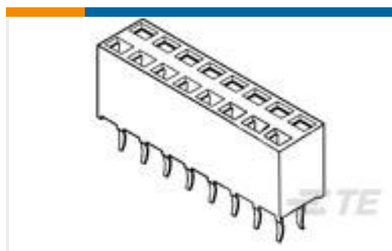


Board-to-Board Headers & Receptacles(347)

Customers Also Bought



TE Part #1-2176230-4
SMD Power Resistor: 3 Watt, 1% Tol



TE Part #1-215307-0
2X10P HV100 REC CON. TE, 7.0MM



TE Part #1-925017-0
250 FASTON HSG.,REC.,1 POS, NATRUAL



TE Part #1-1624094-8
3613C 4.7UH 10%



TE Part #1-1634613-0
BNC Ins LP PCB Skt 50Ohm Black



TE Part #1-966657-0
10P HV100 REC. CON, SMD, GOLD, TUBE PACK

TE Part #1-1393586-8
V23535A2200A260=BKMOD421 HEADE

TE Part #1393558-3
C42334A 421C 41 *Z150

TE Part #1393558-5
C42334A 421C 51 *Z150

TE Part #91D1-14-08-1-ZB
91D1-14-08-1-ZB

Documents

Product Drawings

2x10P HV100 REC.CON, SMD, GOLD,TUBE PACK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-966645-0_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-966645-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-966645-0_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

1773393_ AMPMODU_EUROPEAN_STANDARD_PRODUCTS

English