2-215307-0 ✔ ACTIVE

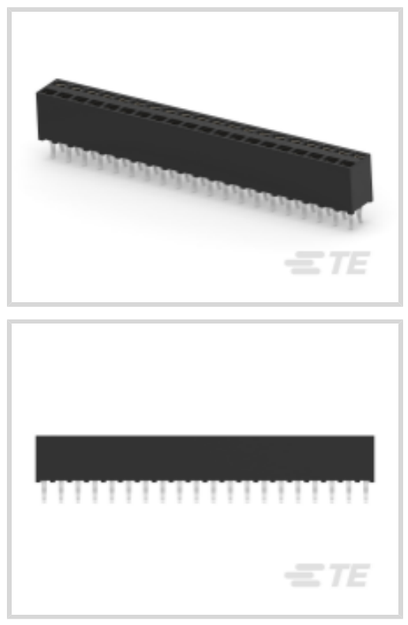
AMPMODU | AMPMODU HV-100/HV-190

TE Internal #: 2-215307-0

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **20**

Number of Rows: **2**

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

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Stackable	Yes
Number of Positions	20
Number of Rows	2
PCB Mount Orientation	Vertical

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Mating Pin Diameter	.63 mm[.024 in]
Mating Square Post Dimension	.63 mm[.024 in]
PCB Contact Termination Area Plating Material Thickness	2.5 µm[98.42 µin]
Contact Shape & Form	Square
Contact Protection Type	Closed Entry Housing
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
	30 µin
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Type	Socket
Contact Current Rating (Max)	3 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	3.1 mm[.122 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Retention Solder Tails
Connector Mounting Type	Board Mount
PCB Mount Retention	With

Housing Features

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

Dimensions

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

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F][-67 – 221 °F]

Operation/Application

Solder Process Feature	Board Standoff

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Carton

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 2-826656-0
20P AMPMODU II STIFT LEI



TE Part # 2-826658-0
20P AMPMODU II STIFT LEI



TE Part # 2-826632-0
20P AMPMODU II PIN HDR.



TE Part # 2-826634-0
MOD2 PIN HEADER 20P

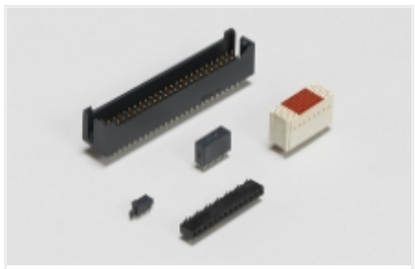


TE Part # 2-826664-0
20P MOD2 STIFT LEI

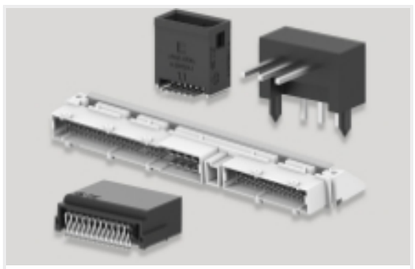


TE Part # 5-147279-5
20 MODII HDR DR SFMT B/A T&R LF

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



Board-to-Board Headers & Receptacles(152)

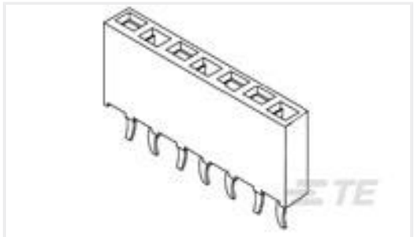


PCB Headers & Receptacles(152)

Customers Also Bought



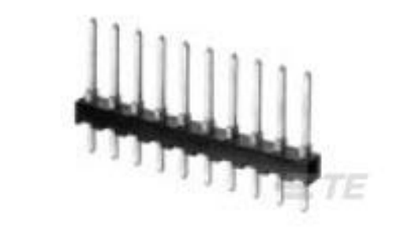
TE Part #9541-040C-S-C-3-S
PRESSURE I2C 0.6 PSIG SO16



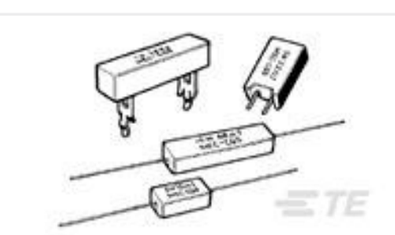
TE Part #3-215297-6
36P HV100 REC CON. TE, 7.0MM



TE Part #640388-5
05P MTA156 HDR ASSY RN STR F/L



TE Part #1-825440-0
MOD 2 PINHDR 2X10P.



TE Part #4-1623795-8
SQP5 R68 5% WIRE



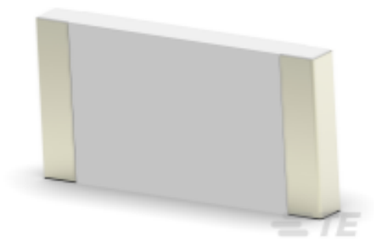
TE Part #1717468-3
SEMI-HARD TRAY DDR SODIMM SOCKET 200P 6



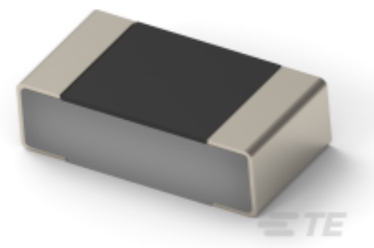
TE Part #2-1761603-1
IDC LOW PRO HDR 6P VERT BLUE



TE Part #2176081-4
EP 1W (S) 33R 5%



TE Part #3-2176251-3
CRGS2010 5% 470R



TE Part #1-2176467-7
TLRP 1206 1.0W R020 1% 75PPM 5K RL

Documents

Product Drawings

2X20P HV100 REC CON. TE, 7.0MM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-215307-0_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-215307-0_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-215307-0_F.3d_stp.zip

English

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Product Specifications

Product Specification

English