2-5176837-1 ✔ ACTIVE

AMPMODU | AMPMODU 2 mm

TE Internal #: 2-5176837-1

PCB Mount Header, Right Angle / Horizontal, Board-to-Board, 44 Position, 2 mm [.079 in] Centerline, Unshrouded, Gold, AMPMODU 2 mm

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

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

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

Number of Positions: **44**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Unshrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Horizontal, Right Angle
Number of Positions	44
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	650 VAC
Operating Voltage	200 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Length	4 mm[.158 in]
Mating Square Post Dimension	.5 mm[.02 in]
	39.37 µin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.203 µm[8 µin]
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

Round Termination Post & Tail Diameter	.6 mm[.024 in]
Termination Post & Tail Length	2.6 mm[.102 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

Centerline (Pitch)	2 mm[.079 in]
Housing Material	Thermoplastic

Dimensions

Connector Height	5.5 mm[.216 in]
Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	100
Packaging Method	Box

Other

Position Locations Omitted	0

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 2-111623-5
44, 2MM, POL,30 DP, LEAD FREE



TE Part # 2-111626-2
44, 2MM, 30 DP, LEAD FREE

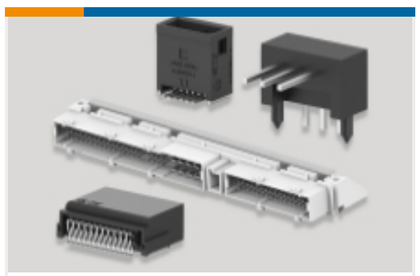


TE Part # 4-1470209-5
RCPT,2MM,44P,VRT MT,8AU,2.6ST

Also in the Series | AMPMODU 2 mm



Connector Contacts(27)



PCB Headers & Receptacles(10387)

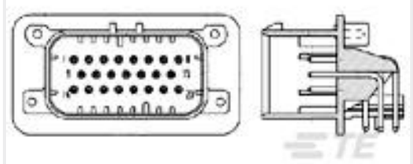


Wire-to-Board Connector Assemblies & Housings(202)

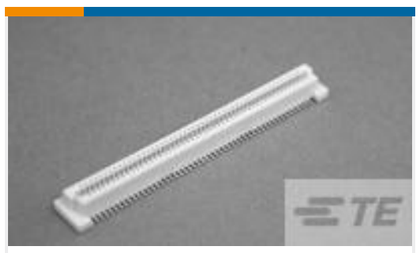
Customers Also Bought



TE Part # 5747840-5
HD-20 PLUG RA .318 FMS BD-LK S



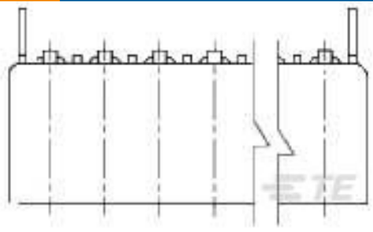
TE Part # 776087-1
23POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 1



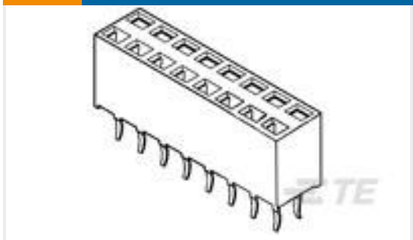
TE Part # 5-1735480-2
0.8FH,R17H.5,060,08/Sn,TU



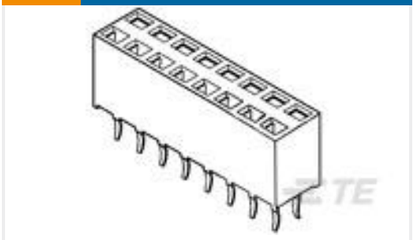
TE Part # 91506-1
CCII UNML UNML II PIN SKT 16-14 ASSY



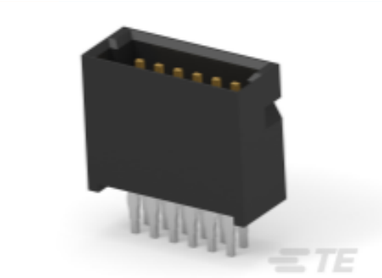
TE Part # 5-487508-7
TRIOMATE ASY H 8P L=3.175,LDFR



TE Part # 215309-9
2X9P HV100 REC CON. TE, 8.5MM



TE Part # 2-215309-0
2X20P HV100 REC CON. TE, 8.5MM



TE Part # 064002-E
SMCQ 12 M AB VV 3-04 * 2,8 0003 137 E001



TE Part # 4-2176455-5
CPF 0402 316K 0.1% 25ppm 1K RL

Documents

Product Drawings

44 AMPMODU 2MM, H, AU, LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-5176837-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-5176837-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-5176837-1_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4

English