

1-102690-3 ✓ ACTIVE

AMPMODU | AMPMODU Headers

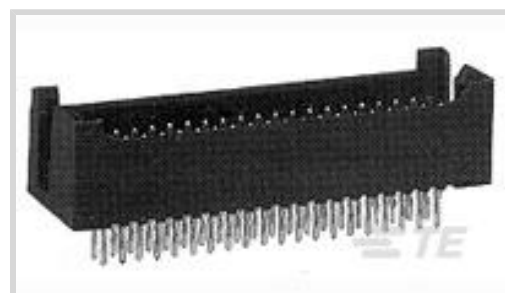
TE Internal #: 1-102690-3

AMPMODU Headers, PCB Mount Header, Vertical, Board-to-Board, 20 Position, 2.54mm [.1in] Centerline, Shrouded, 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 Header**

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 Header
Connector System	Board-to-Board
Header Type	Shrouded
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

Electrical Characteristics

Termination Resistance	12 mΩ
Dielectric Withstanding Voltage (Max)	750 VACrms
Operating Voltage	250 VAC

Contact Features

Contact Mating Area Length	5.08 mm[.2 in]
Mating Square Post Dimension	.64 mm[.025 in]
	100 – 200 μin



Contact Shape & Form	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 μ m[30 μ in]
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	6.35 mm[.25 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Mating Retention	Without
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
Mating Alignment Type	Guide Pins
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Connector Height	13.97 mm[.55 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	11.43 mm[.45 in]
PCB Thickness (Recommended)	2.36 mm[.093 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Solder Process Feature	Board Standoff
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Circuit Application

Signal

Industry Standards

Approved Standards

CSA LR7189, UL E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

56

Packaging Method

Tube

Other

Comment

Headers with ACTION PIN™ posts are for use with 2.36 [0.93] nominal or thicker PC Boards., Headers with make first/break last contacts can be made available., Other header sizes can be made available upon request.

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 Yet Reviewed for halogen content

Solder Process Capability

Not applicable for solder process capability

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 # 532956-3
20 MODII 2PC CE RCPT ASSY



TE Model / Part # 534204-9
20 MODU 2-PC CE RECP ASSY

Also in the Series | AMPMODU Headers



Automotive Headers(10)



Board-to-Board Headers & Receptacles(5340)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



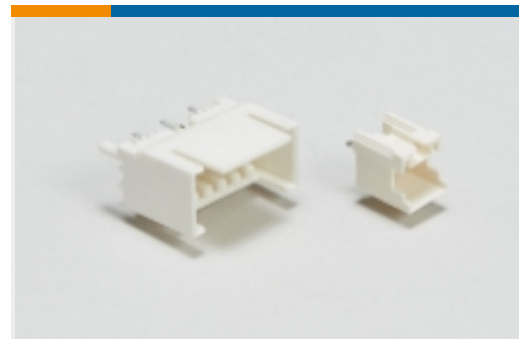
PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(3)

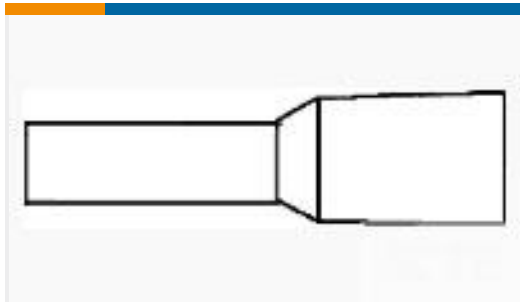


Wire-to-Board Connector Contacts(46)



Wire-to-Board Headers & Receptacles (79)

Customers Also Bought



TE Model / Part #966066-2
ADERENDHUELSE L BL



TE Model / Part #1393481-5
V23529B1225C209=SUB D STIFTLEI



TE Model / Part #8-1624112-9
3650 0603 0.18uH 5% 2K RL



TE Model / Part #5177986-4
0.8FH,P05H.5,100,08/Sn,TR,SC



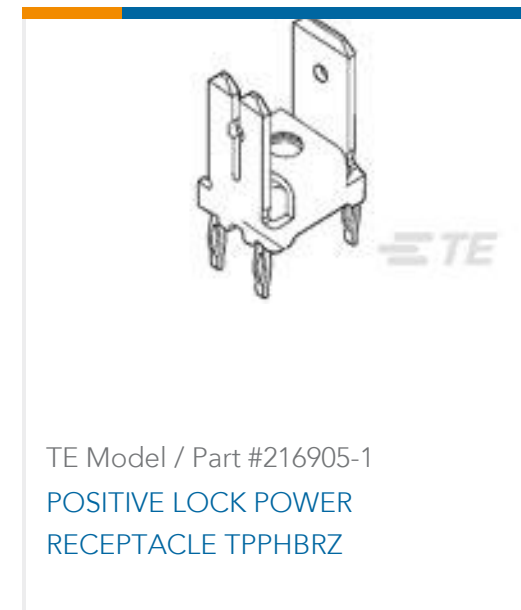
TE Model / Part #5161390-2
02P.DIP SWITCH ASSY



TE Model / Part #1879026-1
YR1 0.1% 10R2



TE Model / Part #7-1879026-6
YR1 0.1% 41R2



TE Model / Part #216905-1
POSITIVE LOCK POWER
RECEPTACLE TPPHBRZ



TE Model / Part #6-969982-8
AMPMODU II Action Pin Header, dual
row

Documents

Product Drawings

[20 MODII 2PC HDR DR SHRD APIN](#)

English

CAD Files

Customer View Model

[ENG_CVM_1-102690-3_L2.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_1-102690-3_L2.2d_dxf.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG_CVM_1-102690-3_L2.3d_igs.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

[AMPMODU Mod II 2-Piece Double Row Header Assemblies](#)

English