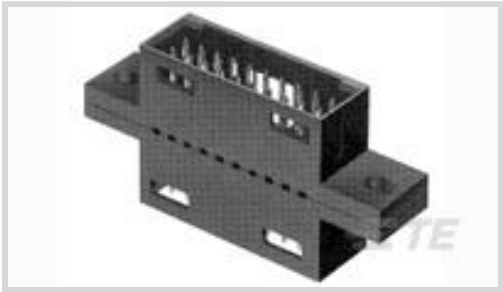




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **10**

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

Configuration Features

Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10
Board-to-Board Configuration	Parallel

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	750 Vrms
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Body Features

Connector Profile	Standard
Post Size	.64 mm[.025 in]

Contact Features

	30 μin
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze



Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	8.38 mm[.33 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
Mating Retention Type	Detent Window
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Color	Black
Housing Material	Nylon-GF

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	72
Packaging Method	Tray



Other

Comment	Mates with AMP-LATCH or FFC (both sides)
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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 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 87977-3
10 MODIV HSG DR MRKD .100 POL



TE Model / Part # 87456-5
10 MODIV HSG COMP DR .100CL




TE Model / Part # 1-86177-2
10 MODIV HSG COMP DR .100CL

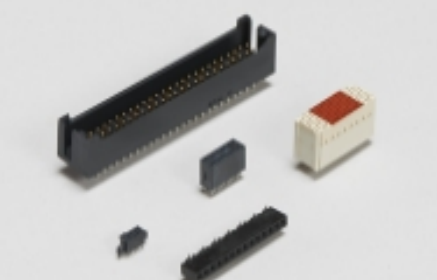


TE Model / Part # 87743-1
MODII KEYED BARRIER INSERT

Also in the Series | AMPMODU Headers



Automotive, Truck, Bus, & Off-Road Headers(10)



Board-to-Board Headers & Receptacles(5302)



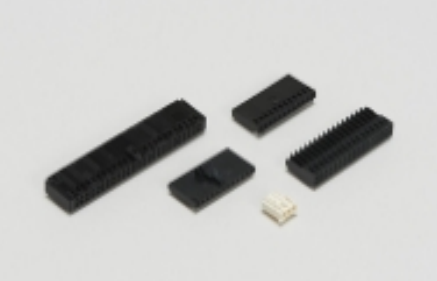
PCB Connector Mounting(1)




PCB Connector Shrouds(1)



PCB Latches, Locks & Retainers(2)



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



Wire-to-Board Connector Contacts(45)



Wire-to-Board Headers & Receptacles (76)

Customers Also Bought



TE Model / Part #1-2329360-2
PB OFF/ON RC RED M3 TERM. IP68



TE Model / Part #3-1879354-2
RR03 5% 6R2 AMMO



TE Model / Part #1625881-1
1W STD M/OX 2% 1R0




TE Model / Part #2-1393243-4
RTE25524



TE Model / Part #1045725-1
SSMA Jack-Jack Hermetic Adp 1084 1100 00



TE Model / Part #1925217-9
TMN2N025PC2DM018S = M32139/03-D05SNS



TE Model / Part #1589284-1
331-0010-01 = HARDWARE



TE Model / Part #1977740-4
MPS203RPC PSHBTN DPDT MMNTRY



Documents

Product Drawings

[10 MODII HDR DRST SHRD .100CL](#)

English

CAD Files

Customer View Model

[ENG_CVM_87605-1_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_87605-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_87605-1_H.3d_stp.zip](#)

English

3D PDF

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#)

English