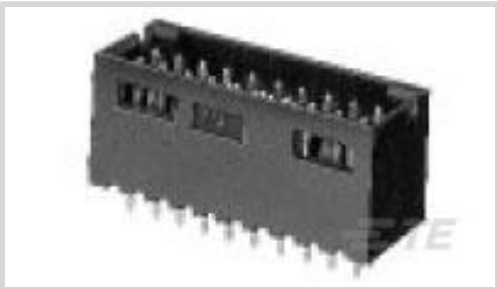




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

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

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Connector Profile	Standard
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Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μm[100 – 200 μin]



Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.381 μm[15 μin]
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.18 mm[.125 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	Board Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.4 mm[.055 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
CSA Certified	Yes
CSA File Number	LR7189
UL File Number	E28476

Packaging Features

Packaging Quantity	320
Packaging Method	Tray

Product Compliance

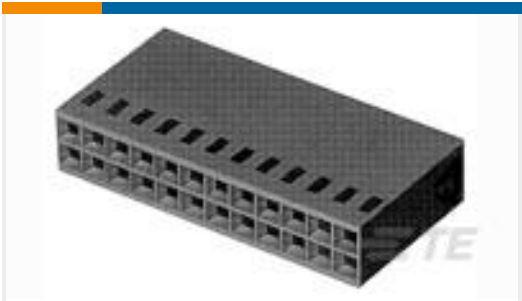
For compliance documentation, visit the product page on TE.com>

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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Wave solder capable to 240°C

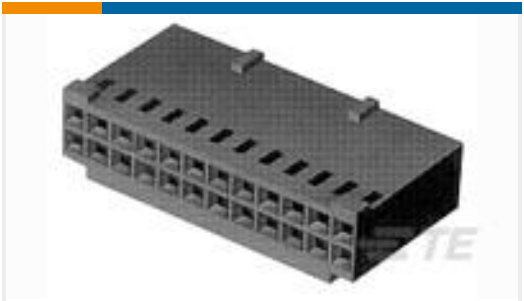
Product Compliance Disclaimer

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 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



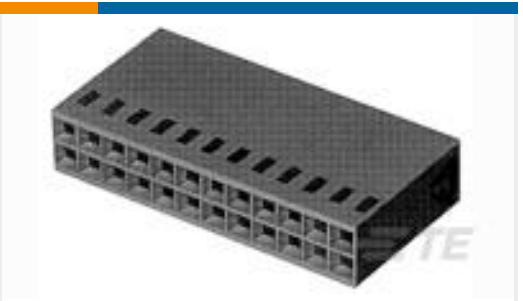
TE Part # 87456-5
10 MODIV HSG COMP DR .100CL



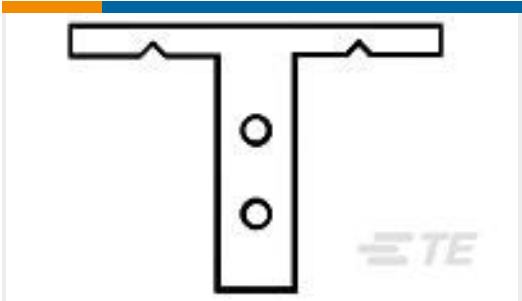
TE Part # 87977-3
10 MODIV HSG DR MRKD .100 POL



TE Part # 102394-3
10 AMP MODU MT HSG DR .100CL



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



TE Part # 87743-1
MODII KEYED BARRIER INSERT

Also in the Series | AMPMODU Headers



Automotive Headers(10)



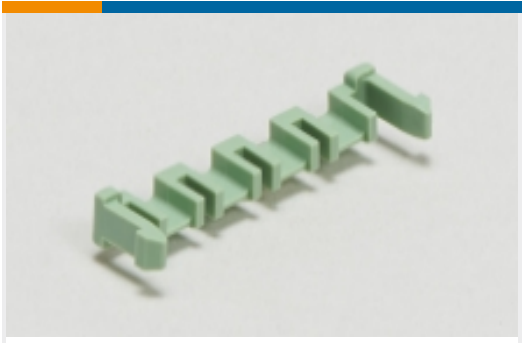
Board-to-Board Headers & Receptacles(7077)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



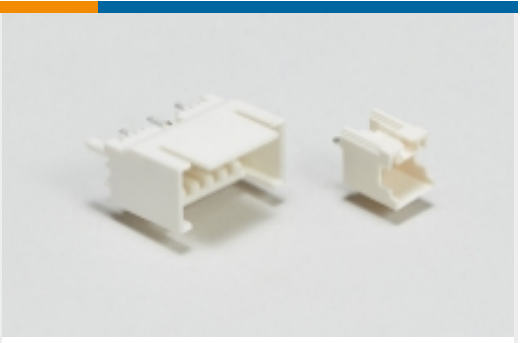
PCB Latches, Locks & Retainers(2)



Wire-to-Board Connector Assemblies & Housings(5)

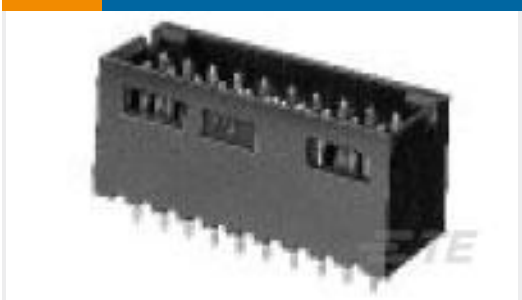


Wire-to-Board Connector Contacts(66)

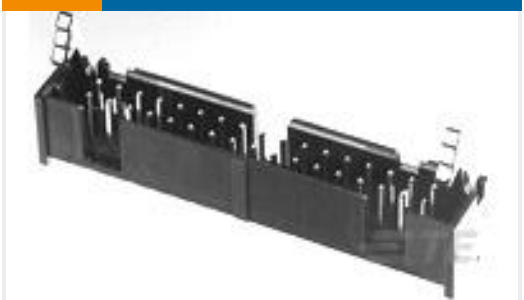


Wire-to-Board Headers & Receptacles (79)

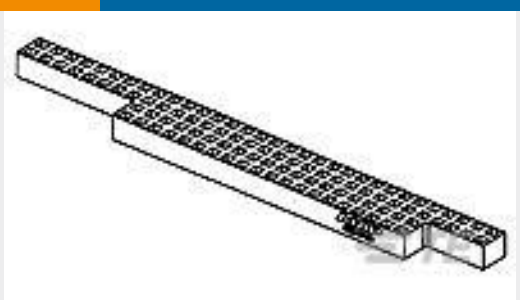
Customers Also Bought



TE Part #102618-6
16 MODII HDR DRST SHRD .100CL



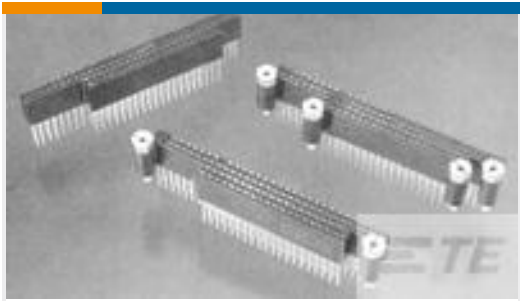
TE Part #1761606-3
IDC LOW PRO HDR 10P VERT LG LAT BLK



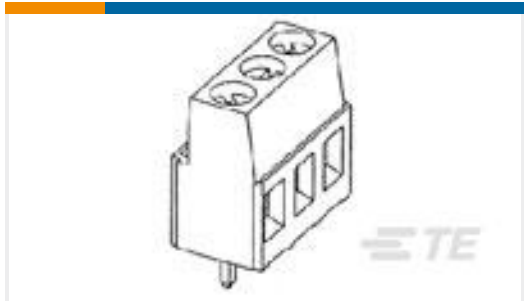
TE Part #1445251-1
ORGANIZER PC/104



TE Part #130126
PG RING



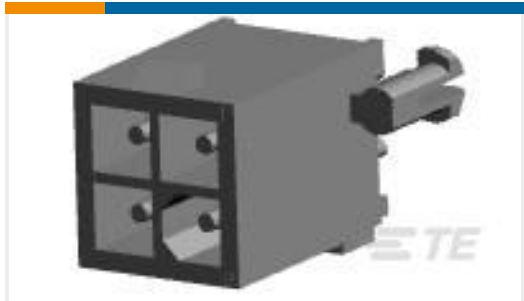
TE Part #1445441-1
PC104 ASY KEYED ORGNZR



TE Part #282841-2
TERMI-BLOK PCB MOUNT 2P. 5



TE Part #1-770170-1
03P MINI UMNL ASSY VO SNAU LF



TE Part #1-770174-1
04P MINI UMNL ASSY VO SNAU LF



TE Part #1-770966-1
02P MINI UMNL R/A HDR ASSY AU



TE Part #9-146274-0
40 MODII HDR SRST B/A .100CL

Documents

Product Drawings

10 MODII HDR DRST SHRD .100CL

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_5-102618-3_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_5-102618-3_K.3d_igs.zip

English

Customer View Model

ENG_CVM_5-102618-3_K.3d_stp.zip

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

AMPMODU Interconnetion System

English

AMPMODU Interconnetion System

Product Environmental Compliance

MD_5-102618-3_04042018711_dmtec

5-102618-3

AMPMODU Headers, PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1in] Centerline, Fully Shrouded, Gold, Printed Circuit Board



English

[MD_5-102618-3_04042018711_dmtec](#)

English