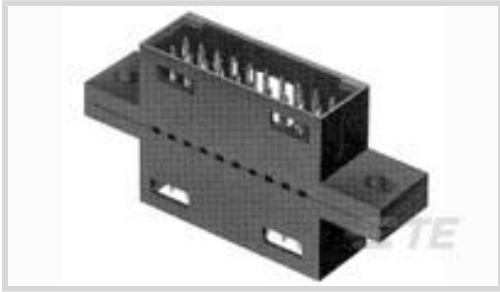




Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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	Fully Shrouded

Configuration Features

Number of Rows	2
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	20
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]
	30 μin
Contact Shape & Form	Square



Contact Underplating Material	Nickel
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.762 μm[30 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	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	Bulkhead

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
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UL Flammability Rating	UL 94V-0
CSA Certified	Yes
CSA File Number	LR7189
UL File Number	E28476

Packaging Features

Packaging Quantity	48
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 2021 (211) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°C

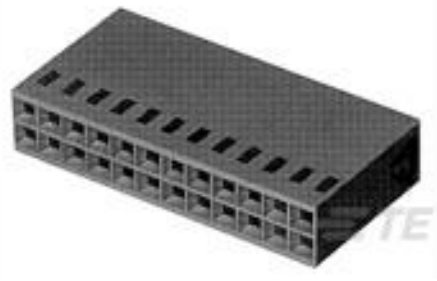
Product Compliance Disclaimer

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 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>

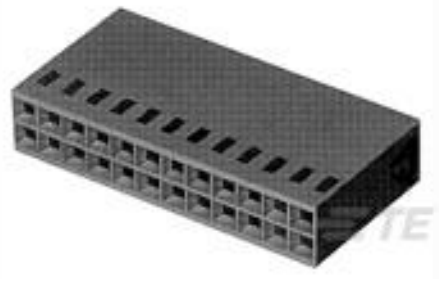
Compatible Parts



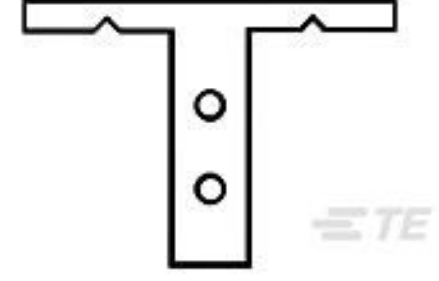
TE Part # 3-87977-5
20 MODIV HSG COMP DR .100 POL



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



TE Part # 1-87456-6
20 MODIV HSG DR MRKD .100CL

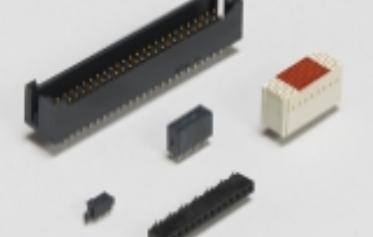


TE Part # 87743-1
MODII KEYED BARRIER INSERT

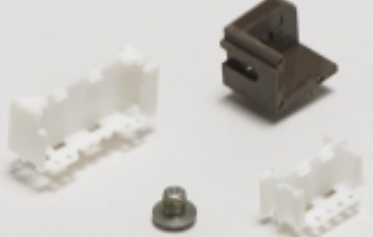
Also in the Series | AMPMODU Headers



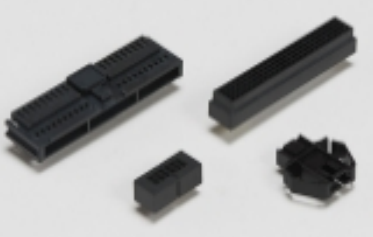
Automotive Headers(10)



Board-to-Board Headers & Receptacles(7077)



PCB Connector Mounting(1)



PCB Connector Shrouds(1)



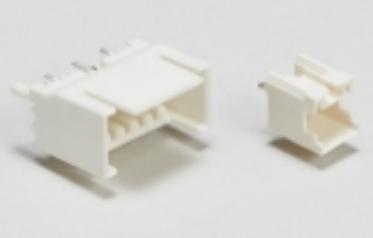
PCB Latches, Locks & Retainers(2)



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

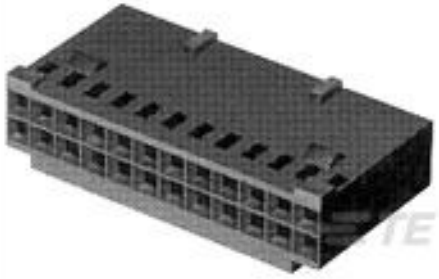


Wire-to-Board Connector Contacts(66)



Wire-to-Board Headers & Receptacles (79)

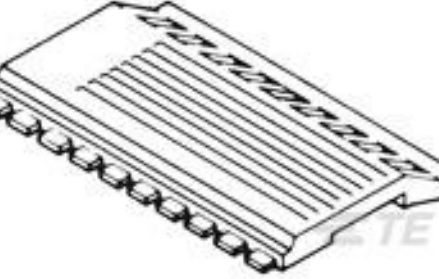
Customers Also Bought



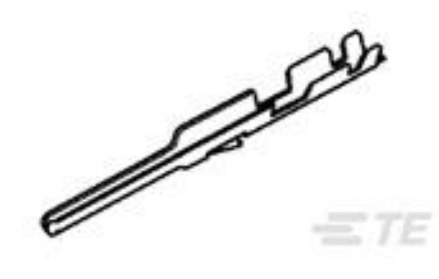
TE Part #1-87631-6
20 MODIV HSG DR MRKD .100 POL



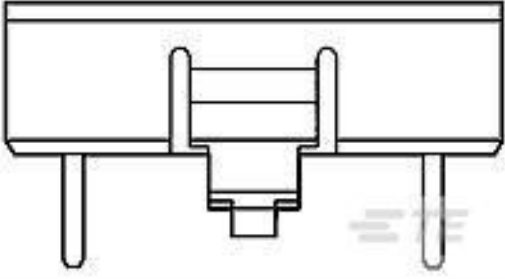
TE Part #1-87631-5
20 MODIV HSG COMP DR .100 POL



TE Part #102541-6
16 AMPMODU MT COVER DR .100CL



TE Part #102107-2
MOD IV PIN LP



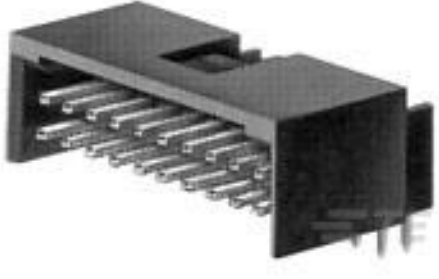
TE Part #103680-5
08 MTE COUPLING SHRD SR



TE Part #YDTS20F25-29SNV001
D38999: Square Flange, 25-29 insert



TE Part #1617754
FCA-410-1517M=M83536/15-017M



TE Part #103165-6
20 MODII HDR DRRRA 3/4SHRD .100



Documents

Product Drawings

20 MODII HDR DRST SHRD .100CL

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_87605-6_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_87605-6_H.3d_igs.zip

English

Customer View Model

ENG_CVM_87605-6_H.3d_stp.zip

English

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Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5

English

Agency Approvals

CSA Certificate

English