

TE Internal #: 1-87230-0

PCB Mount Header, Right Angle, Board-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Unshrouded, Gold (Au), Through Hole - Solder, AMPMODU Headers

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **20**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Perpendicular
PCB Mount Orientation	Right Angle
Number of Positions	20
Number of Rows	2

Electrical Characteristics

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

Body Features

Primary Product Color	Black
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Contact Features



Contact Underplating Material	Nickel
Contact Mating Area Plating Material Thickness	.381 μm[15 μin]
Mating Square Post Dimension	.64 mm[.025 in]
	15 μin
Contact Shape & Form	Square
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Gold Flash
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	2.79 mm[.11 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

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

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	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	25
Packaging Method	Tray

Product Compliance

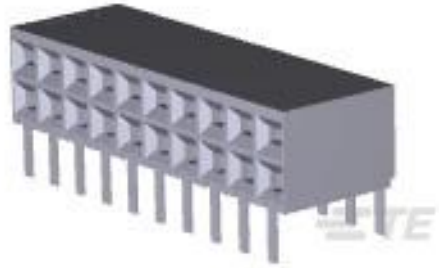
For compliance documentation, visit the product page on TE.com>

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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>

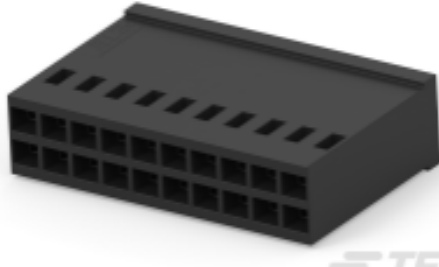
Compatible Parts



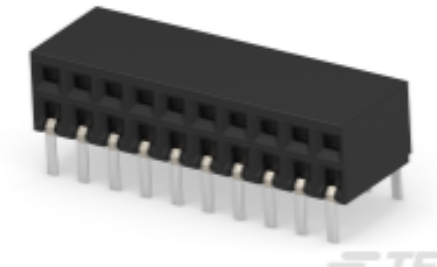
TE Part # 5146140-9
20 MODII HORZ DR CE 100CL



TE Part # 1-87456-5
20 MODIV HSG COMP DR .100CL



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



TE Part # 5535512-2
20 MODII HORZ DR CE

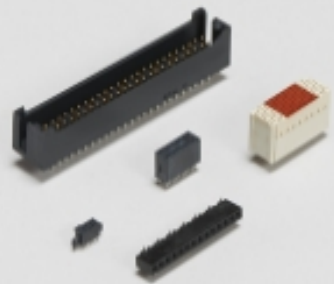


TE Part # 1-87456-6
20 MODIV HSG DR MRKD .100CL

Also in the Series | AMPMODU Headers



Automotive Headers(1)



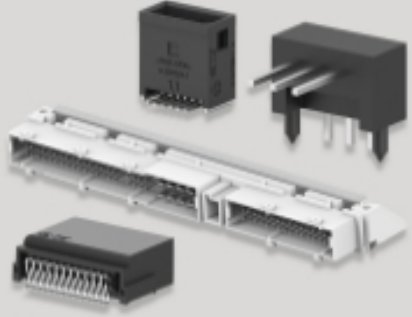
Board-to-Board Headers & Receptacles(1576)



Connector Contacts(47)



Connector Hardware(1)



PCB Headers & Receptacles(1621)



Rectangular Power Connectors(43)



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



Wire-to-Board Headers & Receptacles (114)

Customers Also Bought



TE Part #LICAL-EDC-DS001
TRANSCODER DS IC CHIP RC
PROTOCOL T&R



TE Part #87230-3
06 MODII HDR DRRA UNSHRD .100



TE Part #87230-4
08 MODII HDR DRRA UNSHRD .100



TE Part #87230-9
18 MODII HDR DRRA UNSHRD .100



TE Part #HPP845E134
HTU20DF RH/T SENSOR W.FILTER

TE Part #4-1393253-0
W68-X2Q12-7=M6/M7/M9/W6/W7

TE Part #87230-6
12 MODII HDR DRRA UNSHRD .100

TE Part #4-1879214-9
CPF 0402 1K07 0.1% 25PPM 1K RL

TE Part #776262-2
14POS,PIN DIA 1.3,HDR ASSY,
180DEG,COD 2

TE Part #747150-8
09 RCPT SP/FMS INSRT

Documents

Product Drawings
20 MODII HDR DRRA UNSHRD .100
English

CAD Files
Customer View Model
ENG_CVM_1-87230-0_K.3d_igs.zip
English
Customer View Model
ENG_CVM_1-87230-0_K.3d_stp.zip
English
Customer View Model
ENG_CVM_1-87230-0_K.2d_dxf.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