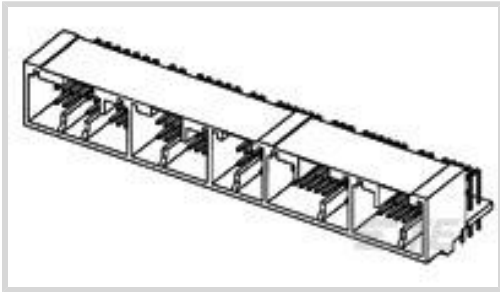




Connectors > PCB Connectors > PCB Headers & Receptacles > High Pin Count Header



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

Number of Positions: **122**

Centerline (Pitch): **2.5 mm, 3.1 mm [.098 in, .122 in]**

Sealable: **No**

PCB Mount Orientation: **Horizontal**

[All High Pin Count Header \(65\)](#)

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	5
Number of Signal Positions	122
Number of Positions	122
PCB Mount Orientation	Horizontal
Number of Rows	3

Electrical Characteristics

Voltage Rating (Max)	12 VDC
Nominal Voltage Architecture	12 V
Operating Voltage	12 VDC



Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	1mm
Contact Type	Tab
Mating Tab Width	1 mm[.039 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Mating Area Plating Material	Gold

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mounting Holes	With
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention Type	Locking Interface

Housing Features

Centerline (Pitch)	2.5 mm, 3.1 mm[.098 in][.122 in]
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Dimensions

Connector Length	33.85 mm[1.333 in]
Connector Width	131.8 mm[5.189 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	22.5 mm[.886 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

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Shielded	No
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	4
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Packaging Method	Tube
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Other

Interface Number	353031
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Wave solder capable to 240°C
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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

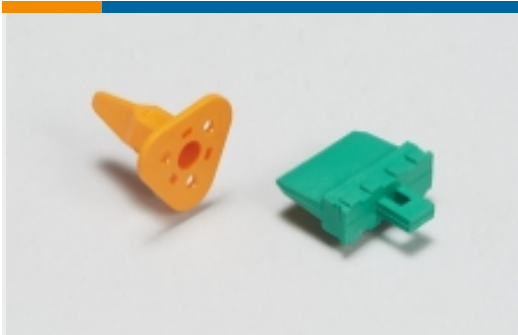


TE Part # CAT-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING

Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (10)



Automotive Connector Locks & Position Assurance (3)



Automotive Housings (445)



Automotive Terminals (118)



Connector Seals & Cavity Plugs (2)



Insertion & Extraction Tools (6)



Other Automotive Connector Accessories (12)

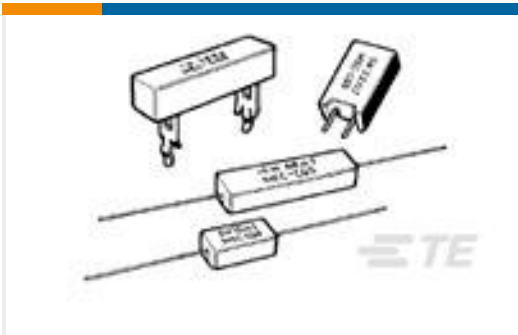


PCB Headers & Receptacles (134)

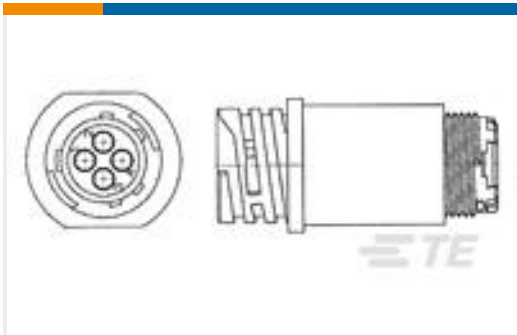
Customers Also Bought



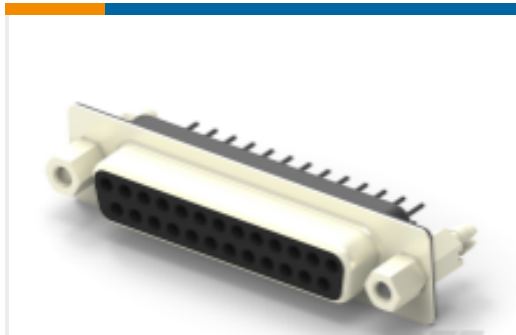
TE Part #963357-2
Low & Medium Power Header



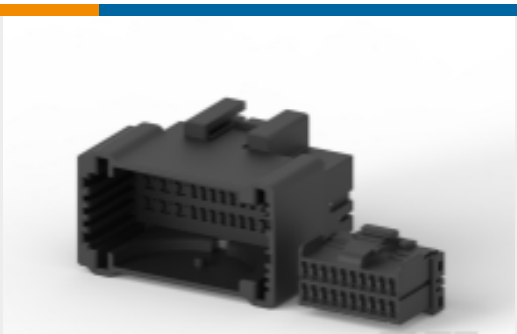
TE Part #1623788-7
SQM5 15R 5% (WIRE)



TE Part #796287-1
RCPT.ASSY,23-37STD SEX FREE HG



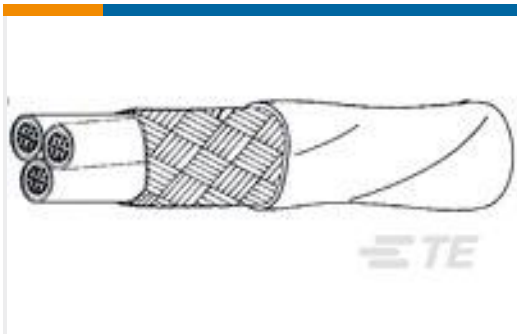
TE Part #2301841-2
AMPL REC HD20, VERT, 25P, B/L,4-40 S/LOC



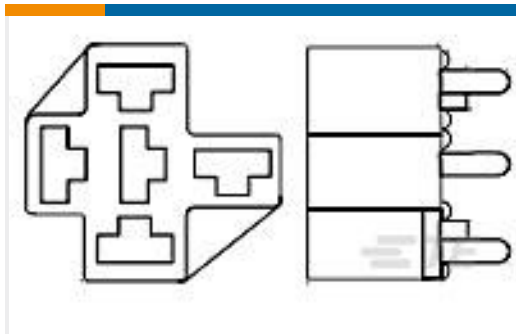
TE Part #353027-1
MULTILOCK, CONNECTOR HOUSING



TE Part #3822433012
44A1121-24-0/9-9



TE Part #3821213005
44A1131-24-0/2/9-9



TE Part #1393310-3
VCF4-1000=FROM SEC



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_8-5353015-1_K.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_8-5353015-1_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-5353015-1_K.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

Japanese

[Crimping .040III Unsealed Contact, Receptacle](#)

Japanese