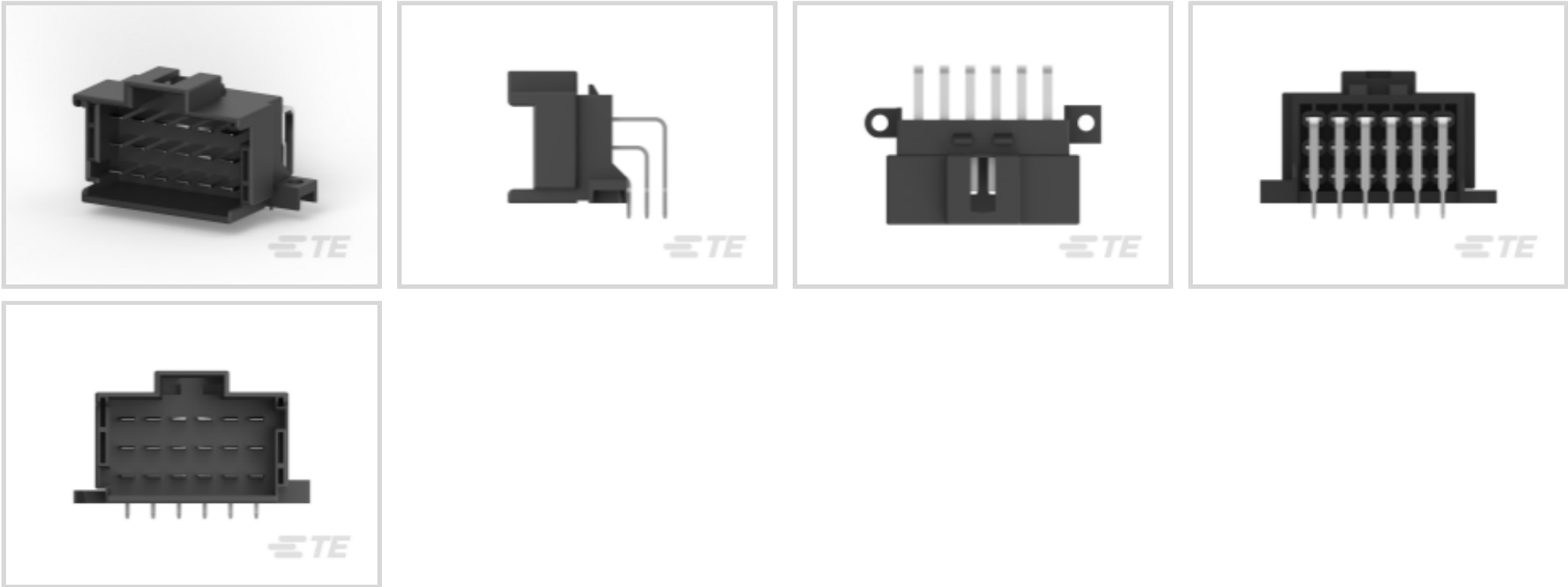




Connectors > PCB Connectors > PCB Headers & Receptacles > AMP MCP Unsealed Headers



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **18**

Number of Rows: **3**

[All AMP MCP Unsealed Headers \(17\)](#)

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	18
PCB Mount Orientation	Horizontal
Number of Positions	18
Number of Rows	3



Electrical Characteristics

Operating Voltage	24 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Connector & Keying Code	A
Primary Product Color	Black

Contact Features

Contact Size	3mm
Mating Tab Width	2.8 mm[.11 in]
Mating Tab Thickness	.8 mm[.031 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Locking Interface
Mounting Holes	With
Mating Retention	With
PCB Mount Retention Type	Solder Tail
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Panel Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	3.5 mm[.138 in]
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Dimensions

Connector Width	20.3 mm[.791 in]
Profile Height from PCB	26.2 mm[1.031 in]
Connector Length	46 mm[1.811 in]

Usage Conditions

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Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C[212 °F]
Operating Temperature Range	-30 – 100 °C[-22 – 212 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	112
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 260°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

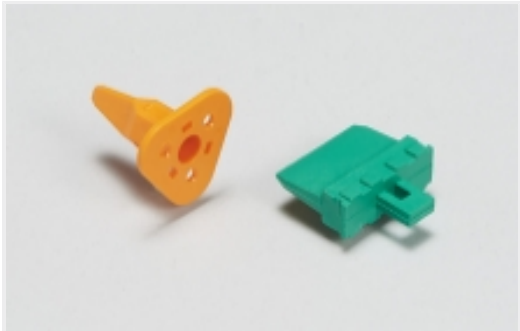


TE Part # CAT-T4827-CH8172
Timer Connector Housing



TE Part # CAT-AM705-CH8173
AMP Unsealed Connector Housing

Also in the Series | AMP MCP Connector System



Automotive Connector Locks & Position Assurance(4)



Automotive Headers(31)



Automotive Housings(257)



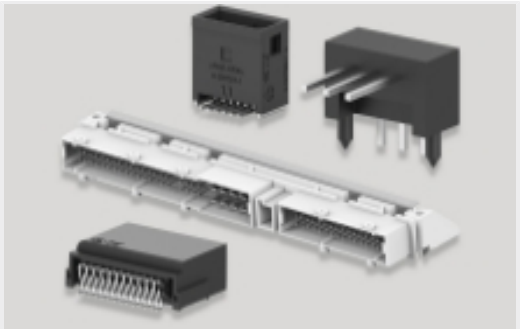
Connector Seals & Cavity Plugs(5)



Insertion & Extraction Tools(13)



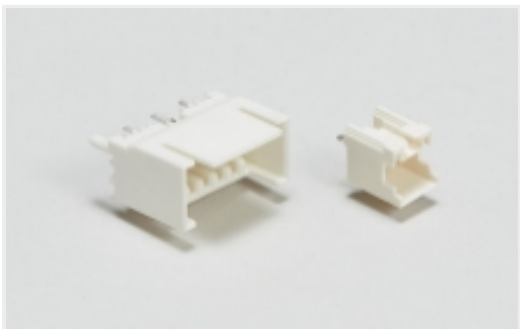
Other Automotive Connector Accessories(3)



PCB Headers & Receptacles(31)



Rectangular Power Connectors(15)



Wire-to-Board Headers & Receptacles (30)

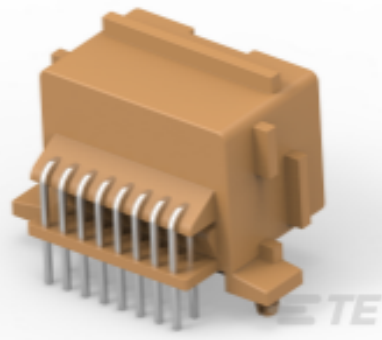
Customers Also Bought





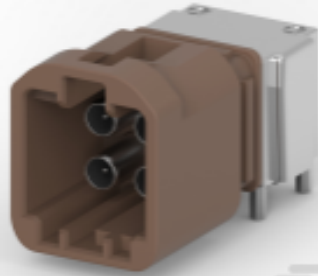
TE Part #2480662-1

SMA F St BHD to Open Semi-rigid.047 50mm



TE Part #966870-2

16POS,TAB0.63X0.63,HDR ASSY,90 DEG,COD A



TE Part #2304168-6

4P MATE-AX, HDR ASSY,90 DEG,COD F



TE Part #1318697-6

DYNAMIC D-5 REC CONT L L/P



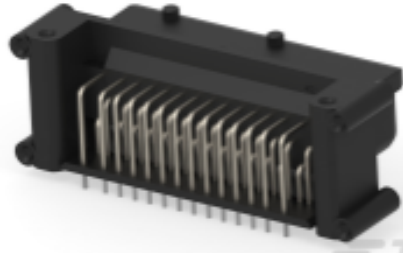
TE Part #CAT-M4599-H342

AMP MCP Unsealed Headers



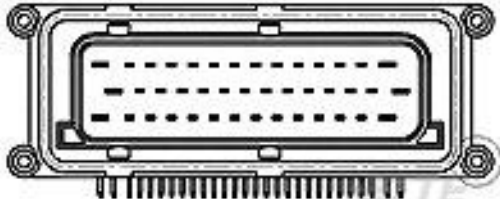
TE Part #1-1318983-6

DYNAMIC D-5200M ALPHA HDR ASSY 4P XX AG



TE Part #1-968718-1

MESSERLEISTE MIX42P



TE Part #1-963484-1

MESSERLEISTE MIX70P

Documents

Product Drawings

MESSERLEISTE 18P

English

CAD Files

Customer View Model

ENG_CVM_CVM_9-966140-1_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-966140-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-966140-1_F.3d_stp.zip

English

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

Product Specifications

Application Specification

English