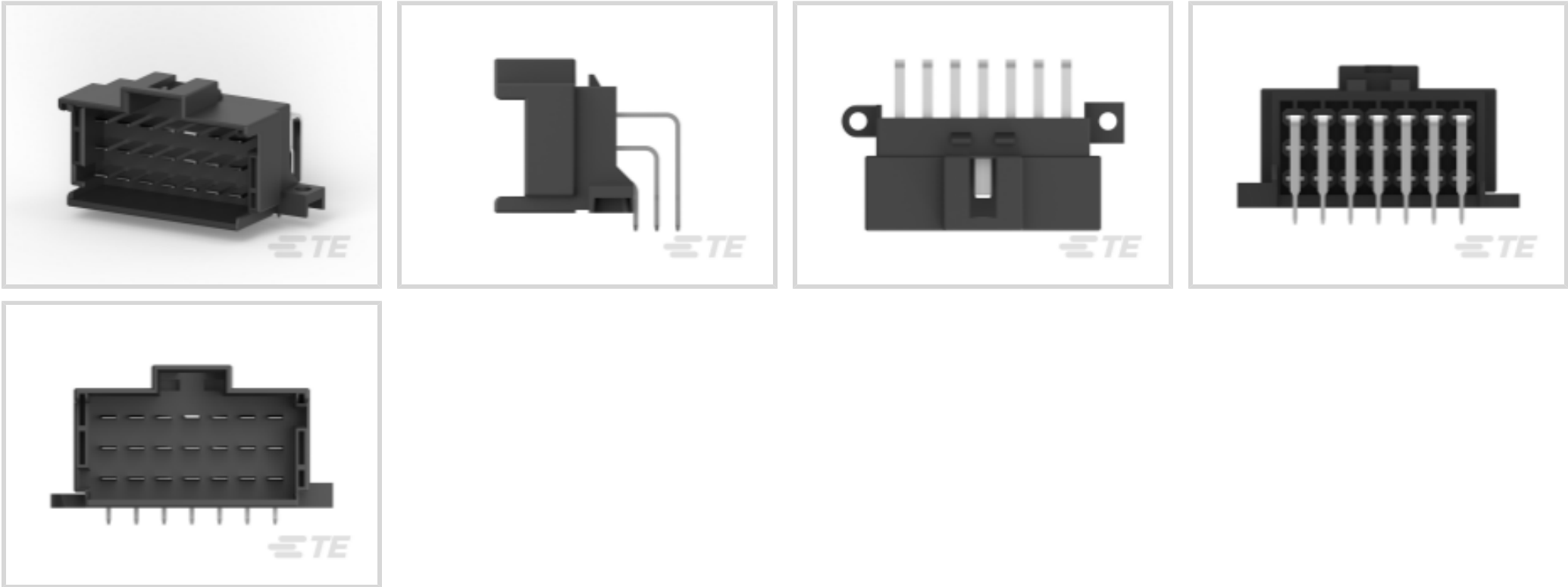




Connectors > PCB Connectors > PCB Headers & Receptacles > AMP MCP Unsealed Headers



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **21**

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	21
PCB Mount Orientation	Horizontal
Number of Positions	21
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	51 mm[2.008 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]
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Operating Temperature Range	-30 – 100 °C[-22 – 212 °F]
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Operation/Application

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	112
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Packaging Method	Tray
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Wave solder capable to 260°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 # 6-968975-1
MCP2.8 GEH ASSY 21P

TE Part # CAT-T4827-CH8172
Timer 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 #2394085-5
Pre-ASSY, Finger Access, Code E



TE Part #2480662-1
SMA F St BHD to Open Semi-rigid, 0.047 50mm



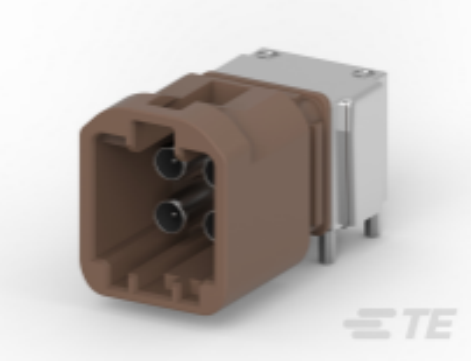
TE Part #1-1318983-6
DYNAMIC D-5200M ALPHA HDR ASSY 4P XX AG



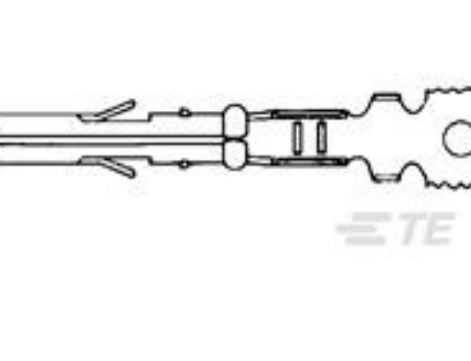
TE Part #1-5164711-2
12pos. MINI-MATCH FBTB, 2.5mm pitch



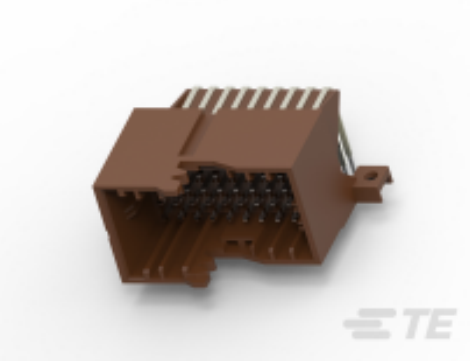
TE Part #5164711-8
08pos. MINI-MATCH FBTB, 2.5mm pitch



TE Part #2304168-6
4P MATE-AX, HDR ASSY, 90 DEG, COD F



TE Part #350665-1
M.R 2 RECEPTACLE



TE Part #CAT-M4599-H342
AMP MCP Unsealed Headers

Documents

Product Drawings

MESSERLEISTE 21P

English

CAD Files

Customer View Model

ENG_CVM_CVM_9-966140-6_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-966140-6_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-966140-6_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