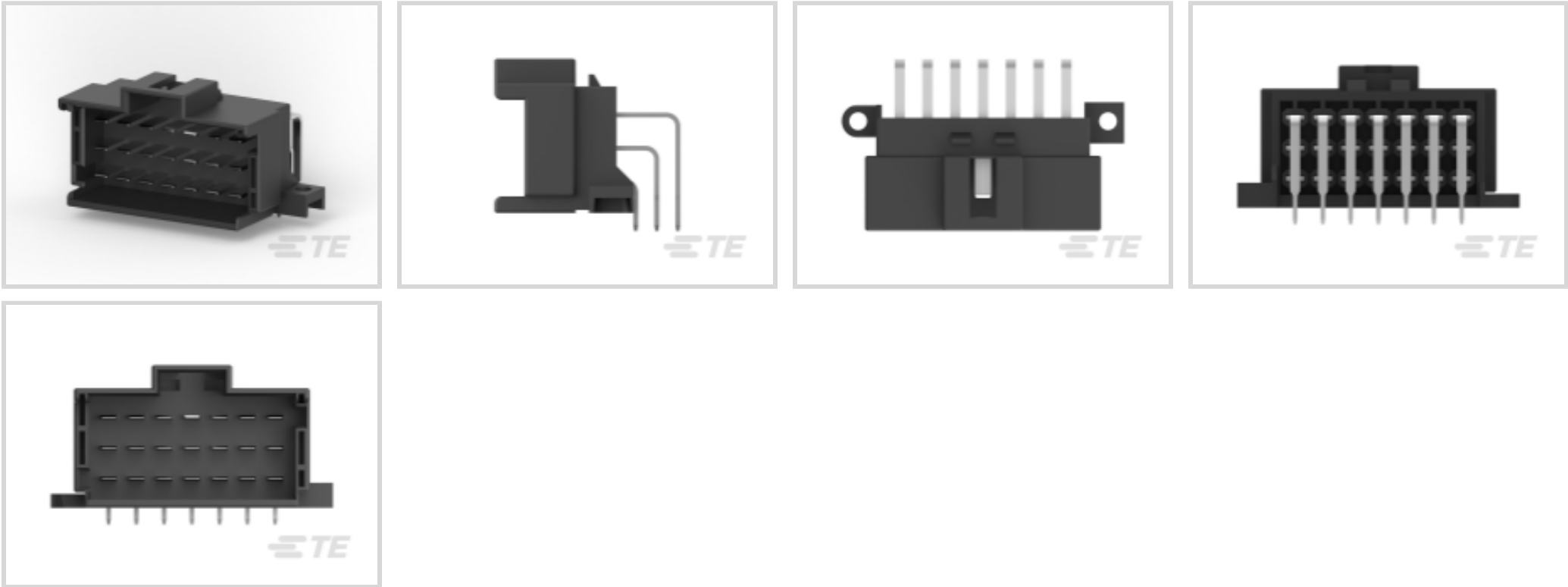




Automotive Parts > Automotive Connectors > Automotive Headers > AMP MCP Unsealed Headers



PCB Mount Orientation: **Horizontal**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

Connector & Contact Terminates To: **Printed Circuit Board**

Circuit Application: **Signal**

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

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Signal Positions	21
PCB Mount Orientation	Horizontal

Electrical Characteristics

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

Body Features

Connector & Keying Code	A
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Primary Product Color	Black
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Contact Features

Mating Tab Width	2.8 mm[.11 in]
Mating Tab Thickness	.8 mm[.031 in]

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
PCB Mount Retention Type	Solder Tail
Connector Mounting Type	Panel Mount

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

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

Packaging Features

Packaging Quantity	112
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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 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-AM705-CH8173
AMP Unsealed Connector Housing




TE Part # CAT-T4827-CH8172
Timer Connector Housing

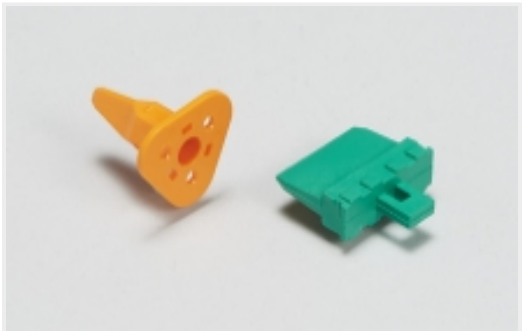


TE Part # 8-968975-1
MCP2.8 GEH 21P


Also in the Series | AMP MCP Connector System




Automotive Connector Caps & Covers (25)



Automotive Connector Locks & Position Assurance(4)



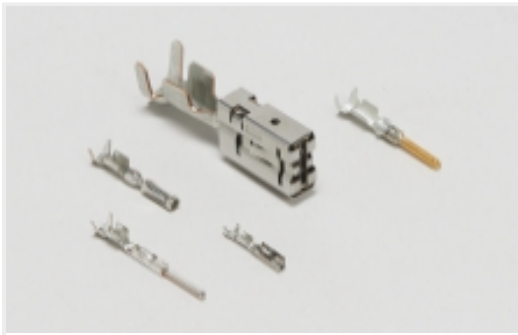
Automotive Headers(31)



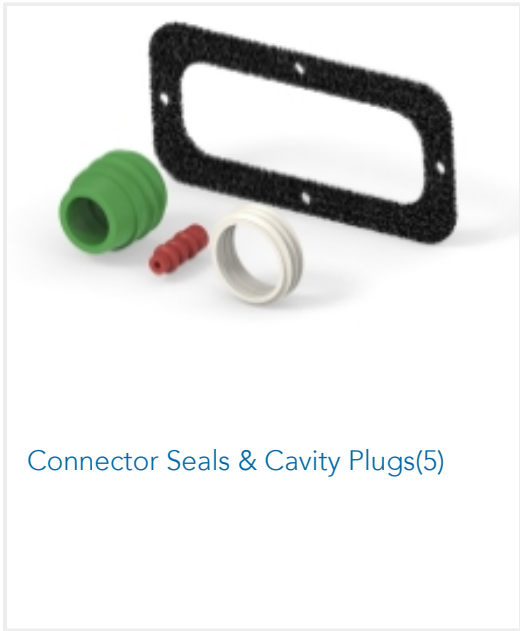
Automotive Housings(257)



Automotive Seals & Cavity Plugs(5)



Automotive Terminals(7)



Connector Seals & Cavity Plugs(5)



Insertion & Extraction Tools(13)



Other Automotive Connector Accessories(3)

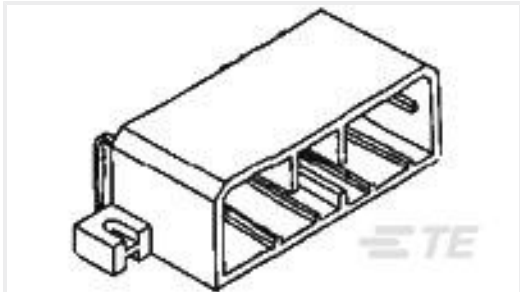
Customers Also Bought



TE Part #DT04-2P-E008
REC, 2P, GRY, N, XCAP



TE Part #5-146281-4
04 MODII HDR SRST B/A LF



TE Part #175785-1
070 MLC CAP H ASSY DBL 20P NT.



TE Part #350711-1
06P UMNL PIN HDR ASSY 94V0



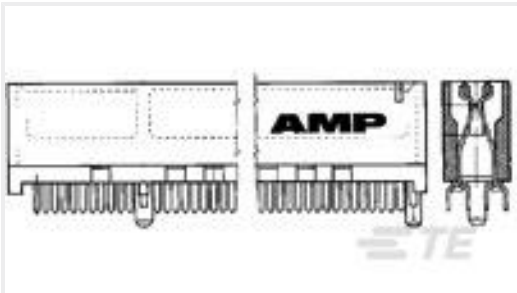
TE Part #640389-8
08P MTA156 HDR ASSY SQ R/A F/L



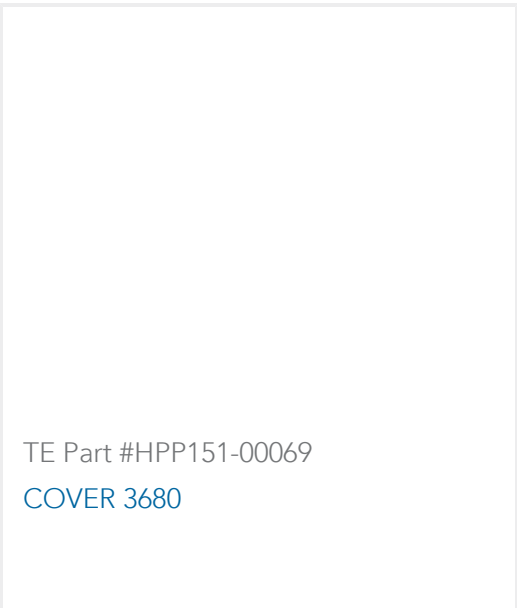
TE Part #1-640389-0
10P MTA156 HDR ASSY SQ R/A F/L



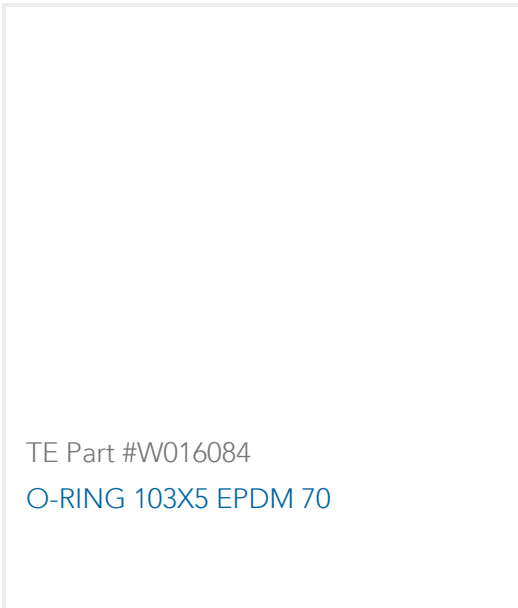
TE Part #2-2308107-0
DDR4 DIMM 288 PIN TH TYPE



TE Part #5650090-3
STANDARD EDGE .050 SERIES 40 DUAL ASSY



TE Part #HPP151-00069
COVER 3680



TE Part #W016084
O-RING 103X5 EPDM 70

Documents



Product Drawings

MESSERLEISTE 21P

English

CAD Files

Customer View Model

ENG_CVM_CVM_966140-6_F.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_966140-6_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_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