

MESSERLEISTE 21P

✓ ACTIVE

AMP | AMP MCP Connector System

TE Part # 9-966140-6

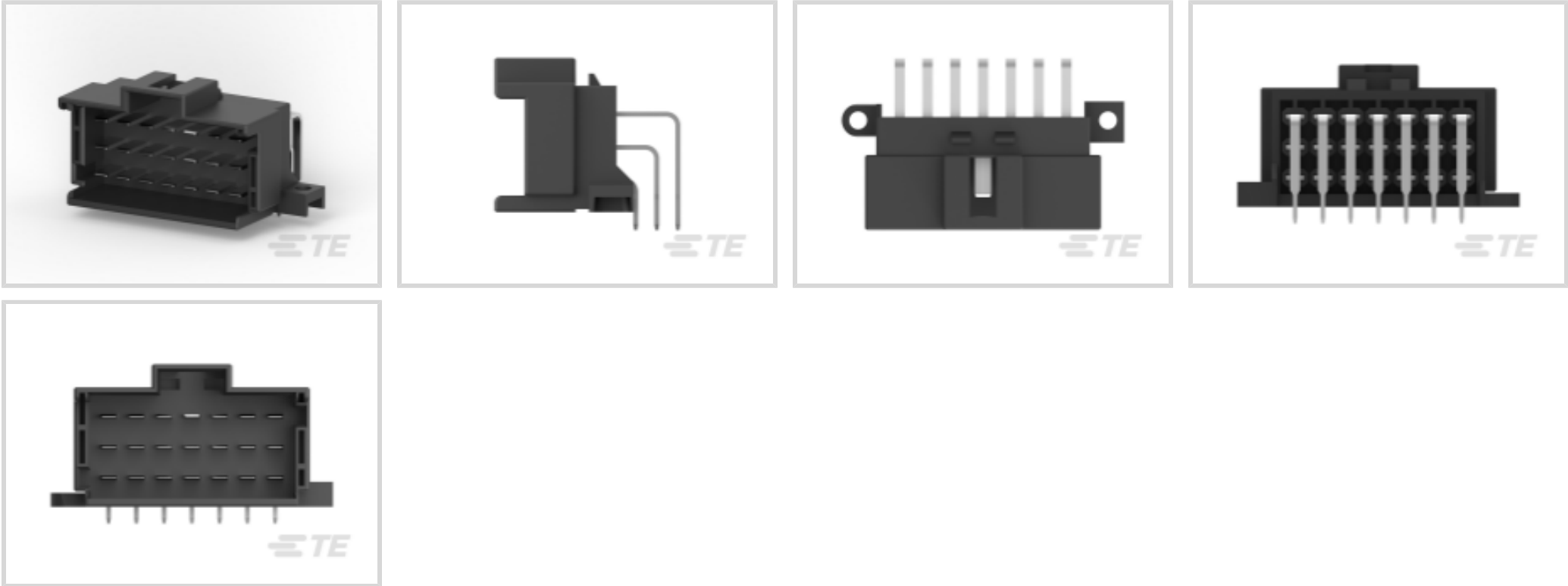
TE Internal #: 9-966140-6

AMP MCP UNSEALED HEADERS

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Connectors > Automotive, Truck, Bus, & Off-Road Connectors > PCB Headers > AMP MCP UNSEALED HEADERS



Number of Positions: 21

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

Sealable: No

Mounting Orientation: Horizontal/90°

Number of Rows: 3

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

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------|----|
| Number of Signal Positions | 21 |
| Number of Positions | 21 |
| Number of Rows | 3 |

Electrical Characteristics

| | |
|------------------------------|------------|
| Nominal Voltage Architecture | 12 V, 24 V |
|------------------------------|------------|

Body Features

| | |
|-------|-------|
| Color | Black |
|-------|-------|

Contact Features

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



| | |
|-------------------|----------|
| Interface Plating | Tin (Sn) |
|-------------------|----------|

Termination Features

| | |
|--------------------|-----------------------|
| Termination Method | Through Hole - Solder |
|--------------------|-----------------------|

Mechanical Attachment

| | |
|--------------------------|----------------|
| PCB Mount Alignment | Without |
| Panel Mount Feature | With |
| PCB Mount Retention | Without |
| PCB Mount Retention Type | Solder Tail |
| Mounting Orientation | Horizontal/90° |

Housing Features

| | |
|--------------------|-----------------|
| Centerline (Pitch) | 3.5 mm[.138 in] |
|--------------------|-----------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 100 °C[-40 – 212 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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 2019 (197) Candidate List Declared Against: JAN 2019 (197) |
| 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

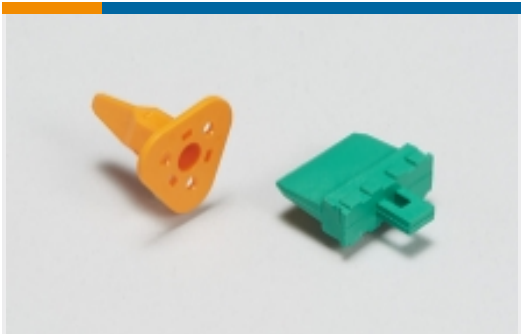


Automotive, Truck, Bus, & Off-Road Housings(13)

Also in the Series | AMP MCP Connector System



Automotive Connector Caps & Covers(25)



Automotive Connector Locks & Position Assurance (8)



Automotive Seals & Cavity Plugs(6)



Automotive, Truck, Bus, & Off-Road Headers(30)



Automotive, Truck, Bus, & Off-Road Housings(346)



Automotive, Truck, Bus, & Off-Road Terminals(142)



Other Automotive Connector Accessories(2)

Customers Also Bought

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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

Product Specifications
Application Specification

English

Product Environmental Compliance
TE Material Declaration

English