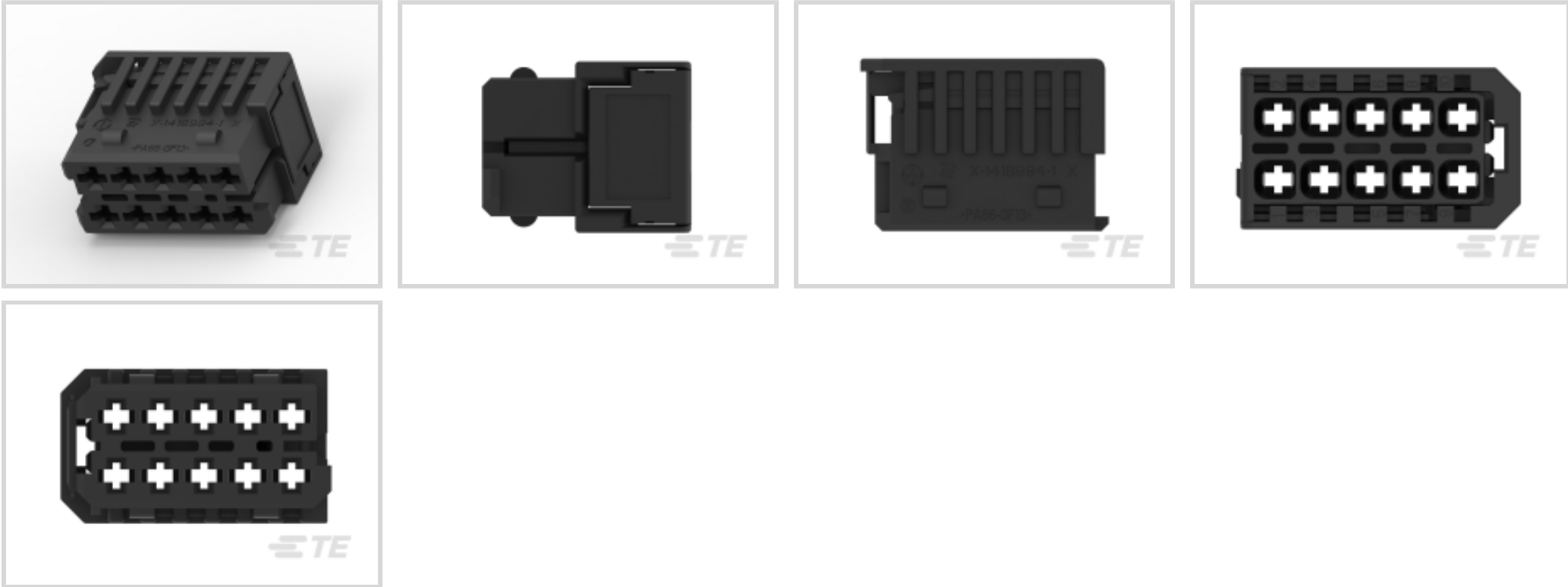




Connectors > Automotive Connectors > Automotive Housings > AMP Unsealed Connector Housing



Number of Positions: 10  
Connector & Housing Type: **Housing for Female Terminals**  
Mating Tab Width: 2.8 mm [.11 in ]  
Connector System: **Wire-to-Wire**  
Centerline (Pitch): 5.5 mm [.217 in ]

[All AMP Unsealed Connector Housing \(109\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	No
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	10
Number of Rows	2

Electrical Characteristics

Operating Voltage	28 VDC
Nominal Voltage Architecture	28 V



Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	2.8mm
Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	30 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	5.5 mm[.217 in]

Dimensions

Row-to-Row Spacing	7.4 mm[.291 in]
Product Width	19.3 mm[.759 in]
Product Length	33.5 mm[1.32 in]
Connector Height	23.6 mm[.929 in]

Usage Conditions

Operating Temperature (Max)	120 °C[248 °F]
Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP30
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	1500
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Packaging Method	Box
Other	
Serviceable	Yes
Connector Position Assurance Capable	No

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	Not applicable for solder process capability

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 # 828922-1  
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part # CAT-AM705-T273  
AMP MCP, RECEPTACLE AND TAB



TE Part # 828905-1  
SINGLE-WIRE-SEAL(5MM HOLE)



Also in the Series | AMP MCP 2.8

Automotive Connector Caps & Covers (25)	Automotive Connector Locks & Position Assurance(4)	Automotive Housings(257)	Automotive Terminals(7)
Module Components(1)	Other Automotive Connector Accessories(3)	PCB Headers & Receptacles(31)	Rectangular Power Connectors(15)

Also in the Series | AMP MCP Connector System

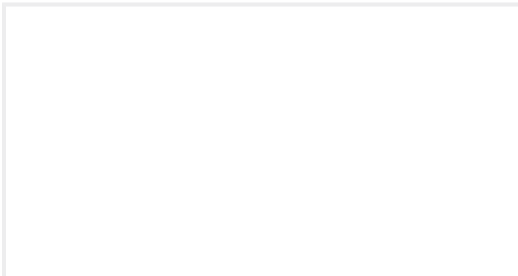
Automotive Connector Caps & Covers (25)	Automotive Connector Locks & Position Assurance(4)	Automotive Housings(257)	Automotive Terminals(7)
Connector Seals & Cavity Plugs(5)	Other Automotive Connector Accessories(3)	PCB Headers & Receptacles(31)	Rectangular Power Connectors(15)

Customers Also Bought





TE Part #1-770858-1  
10P MINI UMNL HDR ASSY AU LF



TE Part #2-525450-8  
GHW HAND TOOL (56 570 101 757)



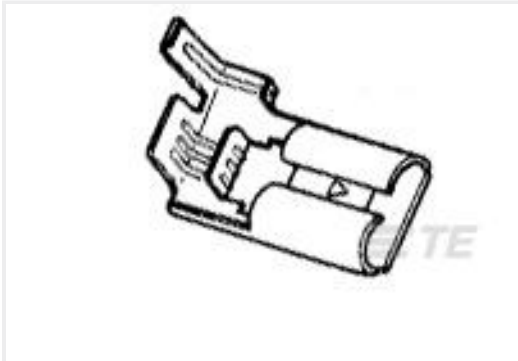
TE Part #185402-2  
MODULAR RELAY HOLDER



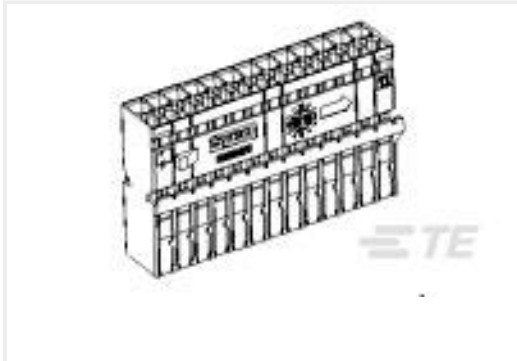
TE Part #6776556004  
RPPM-NR510-X-50MM



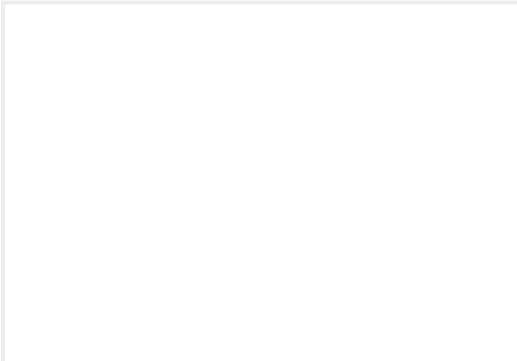
TE Part #1-2349482-1  
4 POS DIA 2.5 SOCKET CONNECTOR HSG



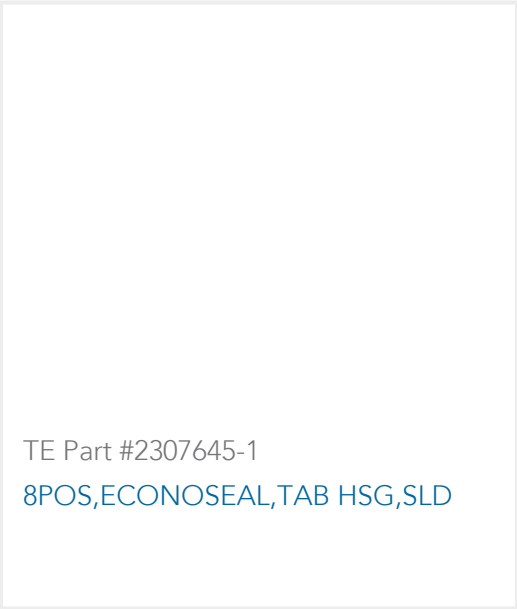
TE Part #1-1627087-0  
RECEPTACLE, FLAG QC 4.8x0.8 (H25411)



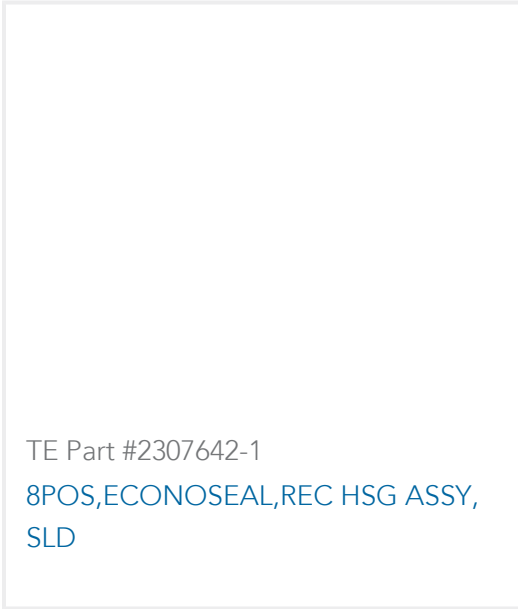
TE Part #1326042-1  
LAC CARRIER, 26 POS, 0.64MM, A KEY



TE Part #1670519-2  
BULKHEAD BASEPLATE



TE Part #2307645-1  
8POS,ECONOSEAL,TAB HSG,SLD



TE Part #2307642-1  
8POS,ECONOSEAL,REC HSG ASSY, SLD

Documents

Product Drawings

AMP MCP 2.8 HSG.WITH SEC.10POS

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1418994-1\_B\_c-1418994-1-b.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1418994-1\_B\_c-1418994-1-b.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1418994-1\_B\_c-1418994-1-b.3d\_stp.zip

English

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

Product Specifications



HOUSINGS FOR AMP MCP2.8 CONTACT, UNSEALED

English

Application Specification

English