1-1670901-1 ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1670901-1

Housing for Female Terminals, Wire-to-Wire, 12 Position, .236 in [6 mm] Centerline, Sealable, Black, Signal, Heavy Duty Sealed

Connector Series

View on TE.com >



Connectors > Automotive Connectors > Automotive Housings > Heavy Duty Sealed Connector Series Housings

Connector & Housing Type: Housing for Female Terminals

Mating Tab Width: 2.8 mm [.11 in]
Connector System: Wire-to-Wire

Number of Positions: 12

Centerline (Pitch): 6 mm [.236 in]

All Heavy Duty Sealed Connector Series Housings (204)

Features

Product Type Features

Product Type Features	
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal
Configuration Features	
Number of Positions	12
Number of Rows	2
Electrical Characteristics	
Operating Voltage	60 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 60 V
Body Features	
Primary Product Color	Black
Connector & Keying Code	A

2.8mm

Receptacle

Contact Features

Contact Size

Contact Type



Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	40 A
Mechanical Attachment	
Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Material	PBT GF
Centerline (Pitch)	6 mm[.236 in]
Dimensions	
Connector Height	31.25 mm[1.23 in]
Product Width	25.7 mm[1.012 in]
Product Length	67.2 mm[2.646 in]
Usage Conditions	
Operating Temperature (Max)	70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F]
Operating Temperature Range	-40 - 140 °C[-40 - 284 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
Degree of Protection	IP67
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	230
Packaging Method	Carton
Other	
Serviceable	Yes



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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 2112303-1
PROTECTION CAP, FOR REC.HSG
GROUP E

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

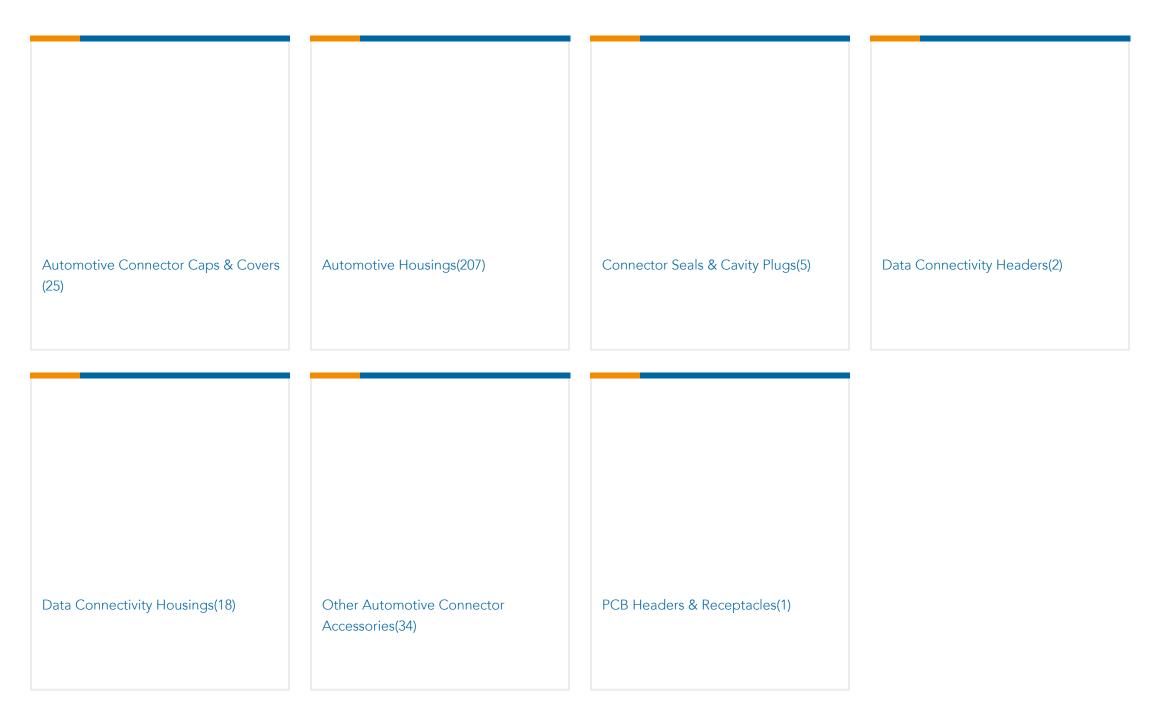
TE Part # 1670865-1
COVER,90

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

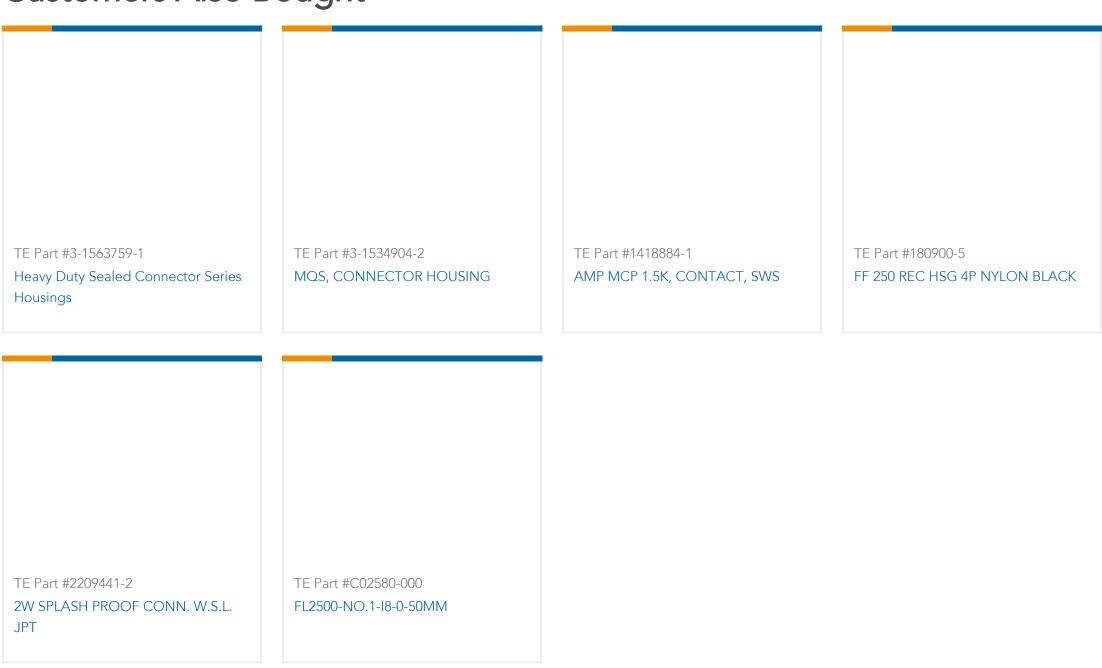
Also in the Series | Heavy Duty Sealed Connector Series

Housing for Female Terminals, Wire-to-Wire, 12 Position, .236 in [6 mm] Centerline, Sealable, Black, Signal, Heavy Duty Sealed Connector Series





Customers Also Bought



Documents

Product Drawings

12POS,AMP MCP2.8,REC HSG,ASSY

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1670901-1_J.2d_dxf.zip

English

3D PDF

Housing for Female Terminals, Wire-to-Wire, 12 Position, .236 in [6 mm] Centerline, Sealable, Black, Signal, Heavy Duty Sealed Connector Series



3D

Customer View Model

ENG_CVM_CVM_1-1670901-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1670901-1_J.3d_stp.zip

English

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Datasheets & Catalog Pages

HDSCS Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English