

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

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

### Contact Features

Contact Size	2.8mm
Contact Type	Receptacle



Mating Tab Width	2.8 mm[.11 in]
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Contact Current Rating (Max)	40 A
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### Mechanical Attachment

Terminal Position Assurance	Yes
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Strain Relief	Without
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Housing Material	PBT GF
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Centerline (Pitch)	6 mm[.236 in]
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### Dimensions

Connector Height	31.25 mm[1.23 in]
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Product Width	25.7 mm[1.012 in]
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Product Length	67.2 mm[2.646 in]
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### 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]
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Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Degree of Protection	IP67
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	230
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Packaging Method	Carton
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### Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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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: 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
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Also in the Series | [Heavy Duty Sealed Connector Series](#)



Automotive Connector Caps & Covers (25)	Automotive Housings(207)	Connector Seals & Cavity Plugs(5)	Data Connectivity Headers(2)
Data Connectivity Housings(18)	Other Automotive Connector Accessories(34)	PCB Headers & Receptacles(1)	

### Customers Also Bought

TE Part #3-1563759-1 Heavy Duty Sealed Connector Series Housings	TE Part #3-1534904-2 MQS, CONNECTOR HOUSING	TE Part #1418884-1 AMP MCP 1.5K, CONTACT, SWS	TE Part #180900-5 FF 250 REC HSG 4P NYLON BLACK
TE Part #2209441-2 2W SPLASH PROOF CONN. W.S.L. JPT	TE Part #C02580-000 FL2500-NO.1-18-0-50MM		

### 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](#)



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

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

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## Datasheets & Catalog Pages

[HDSCS Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

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## Product Specifications

[Application Specification](#)

English