## 3-1418390-1 V ACTIVE

### AMP | Heavy Duty Sealed Connector Series

TE Internal #: 3-1418390-1

Housing for Female Terminals, Wire-to-Wire, 4 Position, .236 in [6 mm] Centerline, Sealable, Green, Signal, Heavy Duty Sealed

Connector Series

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Connectors > Automotive Connectors > Connector 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: 4

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

All Heavy Duty Sealed Connector Series Housings (190)

### **Features**

#### **Product Type Features**

Rectangular
Housing for Female Terminals
Wire-to-Wire
Yes
No
On the Terminal
4
2
50 VDC
12 V, 24 V, 42 V, 60 V
Y Y N C

PBT GF

Green

**Body Material** 

Primary Product Color



Contact Features  Contact Size 2.8mm Contact Type Receptacle  Mating Tab Width 2.8 mm(.11 in) Contact Current Racing (Max) 40.A  Mechanical Attachment  Mounting Feature Without  Terminal Position Assurance Yes Strain Relief Without  Mating Alignment Type Reyed Mating Alignment Type Reyed Mating Alignment With Connector Mounting Type Cable Mount (Free Hanging)  Housing Features  Centedine (Pitch) 6 mm(.236 in)  Dimensions  Product Width 25.7 mm(1.012 in) Product Length 43 mm(1.693 in)  Product Length 43 mm(1.693 in)  See Conditions  Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 126	Connector Code	С
Contact Type Receptacle  Mating Tab Width 2.8 mm,[111 in]  Contact Current Rating (Max) 40 A  Mechanical Attachment  Mounting Feature Without  Terminal Position Assurance Yes Strain Relief Without  Mating Alignment Type Keyed  Mating Alignment Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) 6 mm,[236 in]  Dimensions  Product Width 25.7 mm,[1.012 in]  Product Length 31.25 mm,[1.012 in]  Product Length 31.25 mm,[1.23 in]  Row-to-Row Spacing 3 mm,[1.18 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 130 °C, 140 °C, 145 °F,[124 °F,[125 °F,[124 °F,[124 °F,[24 °F,	Contact Features	
Mating Tab Width Contact Current Rating (Max)  Mechanical Attachment  Mounting Feature  Ves  Strain Relief Without  Mating Alignment Type Mating Alignment Type Mating Alignment Connector Mounting Type  Mousing Features  Centerline (Mich)  Dimensions  Product Width 25.7 mm(1.012 in)  Product Length 43 mm(1.693 in)  Dimensions  Product Height 31.25 mm(1.23 in)  Row to Row Spacing  Juage Conditions  Operating Lemperature (Max)  Operating Lemperature Range  Operating Tab Width  Contact Application  Circuit Application  Industry Standards  Degree of Protection  UL Flammability Rating  Ves  Ves  Without  Without  Keyed  Mount (Free Hanging)  Mount (Free Hang	Contact Size	2.8mm
Contact Current Rating (Max)         40 A           Mechanical Attachment         Without           Mounting Feature         Without           Terminal Position Assurance         Yes           Strain Relief         Without           Mating Alignment Type         Keyed           Mating Alignment         With           Connector Mounting Type         Cable Mount (Free Hanging)           Housing Features         Centerline (Pitch)           Centerline (Pitch)         6 mml_236 in]           Dimensions         5 mml_23 in]           Product Width         25.7 mml[1.012 in]           Product Height         31.25 mml[1.23 in]           Row-to-Row Spacing         3 mml_18 in]           Usage Conditions         70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 105 °C, 110 °C, 170 °C, 175 °C, 130 °C, 140 °C(158 °C, 190 °C, 105 °C, 110 °C, 170 °C, 175 °C, 130 °C, 140 °C(158 °C, 190 °C, 105 °C, 110 °C, 170 °C, 175 °C, 130 °C, 140 °C(158 °C, 190 °C, 140 °C(158 °C, 190 °C, 195 °C, 195 °C, 190 °C, 195	Contact Type	Receptacle
Mechanical Attachment     Without       Terminal Position Assurance     Yes       Strain Relief     Without       Mating Alignment Type     Keyed       Mating Alignment     With       Connector Mounting Type     Cable Mount (Free-Hanging)       Housing Features     Centerline (Pitch)       Dimensions     6 mm[236 in]       Product Width     25.7 mm[1.012 in]       Product Length     43 mm[1.693 in]       Product Height     31.25 mm[1.23 in]       Row-to-Row Spacing     3 mm[.118 in]       Usage Conditions       Operating Temperature (Max)     70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 110 °C, 125 °C, 130 °C, 140 °C/1158 °C, 1	Mating Tab Width	2.8 mm[.11 in]
Mounting Feature Terminal Position Assurance Yes Strain Relief Without Mating Alignment Type Keyed Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) 6 mm[-236 in]  Dimensions  Product Width 25.7 mm[1.012 in] Product length 43 mm[1.693 in] Product Height 31.25 mm[1.23 in] Row-to-Row Spacing 3 mm[118 in]  Usage Conditions  Operating Temperature (Max) Operating Temperature Range Operating Temperature Range Operating Temperature Range Operation Application Circuit Application  Circuit Application Industry Standards  Degree of Protection UL Hammability Rating UL 1 Jammability Rating UL 1 Jammability Rating UL 1 Jammability Rating Value (Max) V	Contact Current Rating (Max)	40 A
Terminal Position Assurance  Strain Relief  Without  Mating Alignment Type  Mating Alignment  Connector Mounting Type  Housing Features  Centerline (Pitch)  Centerlin	Mechanical Attachment	
Strain Relief Mating Alignment Type Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) Connector Mounting Type  Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch)  Connector Mounting Type  Cable Mount (Free-Hanging)  A mm [236 in]  Dimensions  Product Width 25.7 mm [1.012 in]  Product Length 43 mm [1.093 in]  Product Height 31.25 mm [1.23 in]  Row-to-Row Spacing 3 mm [.118 in]  Usage Conditions  Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 10	Mounting Feature	Without
Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) 6 mm[.236 in]  Dimensions  Product Width 25.7 mm[1.012 in] Product Length 43 mm[1.693 in]  Product Height 31.25 mm[1.23 in]  Row to Row Spacing 3 mm[.118 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][176 °F][178 °F][188 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F]  Operating Temperature Range Joperating Temperatur	Terminal Position Assurance	Yes
Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging)  Housing Features  Centerline (Pitch) 6 mm[.236 in]  Dimensions  Product Width 25.7 mm[1.012 in] Product Length 43 mm[1.693 in]  Product Height 31.25 mm[1.23 in]  Row-to-Row Spacing 3 mm[.118 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 °T][167 °T][176 °T][185 °T][194 °T][212 °T][221 °F][230 °F][230 °F][246 °F][257 °F][266 °F][284 °F]  Operating Temperature Range -40 – 140 °C[-40 – 284 °F]  Operation/Application  Circuit Application  Industry Standards  Degree of Protection UL Flammability Rating UL 94V-0  Packaging Features	Strain Relief	Without
Connector Mounting Type  Housing Features  Centerline (Pitch)  Dimensions  Product Width  Product Length  Product Height  Row to Row Spacing  Operating Temperature (Max)  Operating Temperature Range  Operating Temperature Range  Coperation/Application  Circuit Application  Industry Standards  Degree of Protection  UL Flammability Rating  Packaging Features  Cable Mount (Free-Hanging)  Cable Mount (Free-Hanging)  Cable Mount (Free-Hanging)  Cable Mount (Free-Hanging)  Chamile Standards  PST Mm [236 in]  Amm [236 in]  PST Mm [236	Mating Alignment Type	Keyed
Housing Features     Centerline (Pitch)   6 mm[.236 in]     Dimensions     Product Width   25.7 mm[1.012 in]     Product Length   43 mm[1.693 in]     Product Height   31.25 mm[1.23 in]     Row-to-Row Spacing   3 mm[.118 in]     Usage Conditions     Operating Temperature (Max)   70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][17	Mating Alignment	With
Centerline (Pitch)  Dimensions  Product Width 25.7 mm[1.012 in]  Product Length 43 mm[1.693 in]  Product Height 31.25 mm[1.23 in]  Row-to-Row Spacing 3 mm[.118 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][174 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F]  Operation/Application  Circuit Application Signal  Industry Standards  Degree of Protection IP67  UL Flammability Rating UL 94V 0  Packaging Features	Connector Mounting Type	Cable Mount (Free-Hanging)
Dimensions           Product Width         25.7 mm[1.012 in]           Product Length         43 mm[1.693 in]           Product Height         31.25 mm[1.23 in]           Row-to-Row Spacing         3 mm[.118 in]           Usage Conditions           Operating Temperature (Max)         70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 120 °C, 120 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][178 °F][178 °F][178 °F][128 °F][212 °F][221 °F][220 °F][228 °F][226 °F][228 °F]           Operating Temperature Range         -40 − 140 °C[-40 − 284 °F]           Operation/Application         Signal           Industry Standards         Degree of Protection         IP67           UL Flammability Rating         UL 94V-0           Packaging Features	Housing Features	
Product Width         25.7 mm[1.012 in]           Product Length         43 mm[1.693 in]           Product Height         31.25 mm[1.23 in]           Row-to-Row Spacing         3 mm[.118 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][176 °F][176 °F][176 °F][178 °F][212 °F][221 °F][221 °F][221 °F][221 °F][225 °F][248 °F]           Operating Temperature Range         -40 – 140 °C[-40 – 284 °F]           Operation/Application         Signal           Industry Standards         UL 94V-0           UL Flammability Rating         UL 94V-0           Packaging Features         VI 94V-0	Centerline (Pitch)	6 mm[.236 in]
Product Length         43 mm[1.693 in]           Product Height         31.25 mm[1.23 in]           Row-to-Row Spacing         3 mm[.118 in]           Usage Conditions         70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][176 °F][176 °F][176 °F][176 °F][176 °F][176 °F][212 °F][221 °F][230 °F][248 °F]           Operating Temperature Range         -40 – 140 °C[-40 – 284 °F]           Operation/Application         Signal           Industry Standards         Degree of Protection         IP67           UL Flammability Rating         UL 94V-0           Packaging Features         Padv-10	Dimensions	
Product Height         31.25 mm[1.23 in]           Row-to-Row Spacing         3 mm[.118 in]           Usage Conditions           Operating Temperature (Max)         70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C, 130 °C, 140 °C[158 °F][176 °F][176 °F][176 °F][176 °F][176 °F][176 °F][176 °F][176 °F][284 °F]           Operating Temperature Range         -40 - 140 °C[-40 - 284 °F]           Operation/Application         Signal           Industry Standards         IP67           UL Flammability Rating         UL 94V-0           Packaging Features         UL 94V-0	Product Width	25.7 mm[1.012 in]
Now-to-Row Spacing   3 mm[.118 in]	Product Length	43 mm[1.693 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	Product Height	31.25 mm[1.23 in]
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	Row-to-Row Spacing	3 mm[.118 in]
110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °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	Usage Conditions	
Operation/Application  Circuit Application  Industry Standards  Degree of Protection  UL Flammability Rating  Packaging Features  UL 94V-0	Operating Temperature (Max)	110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 ° F][167 °F][176 °F][185 °F][194 °F][212 °F][221
Circuit Application  Industry Standards  Degree of Protection  UL Flammability Rating  Packaging Features  Signal  UL 94V-0	Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]
Industry Standards  Degree of Protection  UL Flammability Rating  UL 94V-0  Packaging Features	Operation/Application	
Degree of Protection IP67  UL Flammability Rating UL 94V-0  Packaging Features	Circuit Application	Signal
UL Flammability Rating  UL 94V-0  Packaging Features	Industry Standards	
Packaging Features	Degree of Protection	IP67
	UL Flammability Rating	UL 94V-0
Packaging Quantity 400	Packaging Features	
	Packaging Quantity	400



Packaging Method	Carton
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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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

















# Also in the Series | Heavy Duty Sealed Connector Series



Automotive Connector Caps & Covers (25)



Automotive Housings(197)



Automotive Seals & Cavity Plugs(5)



Data Connectivity Headers(2)



Data Connectivity Housings(18)



Other Automotive Connector Accessories(22)

# Customers Also Bought



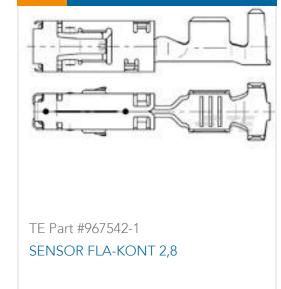
TE Part #1-1418390-1 4 POS AMP MCP 2.8 REC HSG



TE Part #1743354-2 MT-II/JPT SLD 16P CAP HSG



TE Part #936199-1 090III 14P PLUG ASSY







**IGNITION KEY** 







TE Part #1743059-2 MT-II/JPT SLD 36P PLUG ASSY TE Part #368482-1 ABS CONN PLUG 25P ASSY(MANDO)

#### **Documents**

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_3-1418390-1\_J.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_3-1418390-1\_J.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_3-1418390-1\_J.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

### Datasheets & Catalog Pages

**HDSCS Catalog** 

English

ICT Terminals and Connectors Catalogue

English

**CONNECTOR SELECTOR** 

English

## **Product Specifications**

**Application Specification** 

English

## **Product Environmental Compliance**

**Product Compliance** 

English

**Product Compliance** 

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