4-1418390-1 ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 4-1418390-1

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

Connector Series

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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: 4

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	4
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	Blue

D

Connector & Keying Code



Contact Size Contact Type Receptacle Mating Tath Width 2.8 mm[.11 in] Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance Yes Strain Relief Without Meting Alignment Type Keyed Mating Alignment Type Cable Mount (Free Hanging) Housing Features Housing Material Contactine (Pitch) Product Width Product Length A mm[1.23 in] Product Width Product Length A mm[1.693 in] Now to Row Specing Leage Conditions Operating Temperature (Max) Operating Temperature (Max) Product Length Contactine (Pitch) Dimensions Departing Temperature (Max) To no., 80 no., 85 no., 90 no., 100 no., 105 no., 110 no., 120 no., 125 no., 110 no., 125		
Mating Tab Width 2.8 mm[11 im] Contact Current Rating (Max) 40 A Mechanical Attachment 40 A 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 (Pttch) 6 mm[.236 im] Dimensions **** Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 43 mm[1.993 in] Row-to-Row Spacing 6 mm[.236 in] Usage Conditions **** Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 105 °C, 105 °C, 107 °C, 105 °C, 110 °C, 120 °C, 125 °C, 120 °C, 105 °C, 110 °C, 120 °C, 125 °C, 120 °C, 105 °C, 110 °C, 127 °C, 120 °C, 105 °C, 110 °C, 127 °C, 120 °C, 127 °C, 1	Contact Size	2.8mm
Mechanical Attachment		
Mechanical Attachment Terminal Position Assurance Strain Relief Without Mating Alignment Type Keyed Mating Alignment 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] Froduct Width 25.7 mm[1.012 in] Froduct Length 43 mm[1.693 in] Row-to-Row Spacing 6 mm[.236 in] Usage Conditions Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 100 °C, 110 °C, 120 °C, 125 °C, 130 °C, 110 °C, 120 °C, 125 °C, 130 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C, 125 °C, 130 °C, 140 °C, 125 °C, 130 °C, 140 °C, 120 °C, 125 °C, 130 °C, 140 °C, 125 °C, 130 °C, 140 °C, 125 °C, 130 °C, 140	Mating Tab Width	2.8 mm[.11 in]
Terminal Position Assurance Strain Relief Without Mating Alignment Type Keyed Mating Alignment Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material PBT GF Centerline (Ptch) 6 mm(236 in) Dimensions Connector Height 31.25 mm(1.23 in) Product Width 25.7 mm(1.012 in) Product Length 43 mm(1.693 in) Wage Conditions Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C, 130 °C, 140 °C 128 °F 230 °F 248 °F 257 °F 250 °F 248 °F 271 °F	Contact Current Rating (Max)	40 A
Strain Relief Without Mating Alignment Type Keyed Mitting Alignment Type Cable Mount (Free-Hanging) Housing Features Housing Features Housing Material PBT GF Centerline (Pitch) 6 mml, 236 in] Dimensions Connector Height 31,25 mm[1,23 in] Product Width 25,7 mm[1,012 in] Product Length 43 mm[1,693 in] Row-to-Row Spacing 6 mm[,236 in] Usage Conditions Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 120 °C, 130 °C, 140 °C,158 °C, 110 °C, 120 °C, 120 °C, 130 °C, 140 °C,158 °C, 110 °C, 120	Mechanical Attachment	
Mating Alignment Type 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 43 mm[1.693 in] Row-to-Row Spacing 6 mm[236 in] Usage Conditions Operating Temperature (Max) 70 °C, 80 °C, 80 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C, 130 °C, 140 °C[158 °F][248 °F][230 °F][248 °F][257 °F][266 °F][284 °F] Operating Temperature Range -40 – 140 °C[-40 – 284 °F] Operating Temperature Range Industry Standards Degree of Protection IP67 UI Flammability Rating UI 94V-0 Packaging Features Packaging Quantity 1	Terminal Position Assurance	Yes
Mating Alignment 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 43 mm[1.693 in] Row to Row Spacing 6 mm[.236 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 125 °F 1248 °F 1270 °F 1288 °F 1270 °F 1288 °F Operating Temperature Range Operating Temperature Range Journal of Temperature Range Operating Temperature Range Operating Temperature Range Usage Conditions Circuit Application Circuit Application Degree of Protection IP67 Ul Flammability Rating Packaging Features Packaging Ouantity 1	Strain Relief	Without
Connector Mounting Type 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 43 mm[1.693 in] Row to Row Spacing 6 mm[.236 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[1.58 °F][176 °F][176 °F][176 °F][176 °F][176 °F][178 °F][176 °F][178	Mating Alignment Type	Keyed
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 43 mm[1.693 in] Row to Row Spacing 6 mm[.236 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, 110 °C, 120 °C, 125 °C, 130 °C, 110 °C, 120 °C, 125 °C, 130 °C, 120 °C, 125	Mating Alignment	With
Housing Material 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 43 mm[1.693 in] Row-to-Row Spacing 6 mm[.236 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][185 °F][177 °F][212 °F][221 °F][230 °F][248 °F] Operating Temperature Range 40 – 140 °C[-40 – 284 °F] Operation/Application Circuit Application Industry Standards Degree of Protection UL Flammability Rating Packaging Features Packaging Quantity 1	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch) 6 mml, 236 in] Dimensions 31.25 mm[1.23 in] Connector Height 31.25 mm[1.012 in] Product Width 25.7 mm[1.012 in] Product Length 43 mm[1.693 in] Row-to-Row Spacing 6 mml, 236 in] Usage Conditions 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][127 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °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 Packaging Guantity 1	Housing Features	
Dimensions Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 43 mm[1.693 in] Row-to-Row Spacing 6 mm[.236 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][176 °F][178 °F][121 °F][221 °F][230 °F][248 °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 1	Housing Material	PBT GF
Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 43 mm[1.693 in] Row-to-Row Spacing 6 mm[.236 in] Usage Conditions Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 120 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][176 °F][178 °F][194 °F][221 °F][220 °F][248 °F][297 °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 1	Centerline (Pitch)	6 mm[.236 in]
Product Width 25.7 mm[1.012 in] Product Length 43 mm[1.693 in] Row-to-Row Spacing 6 mm[.236 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][176 °F][176 °F][128 °F][221 °F][221 °F][221 °F][230 °F][248 °F][257 °F][266 °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 Packaging Quantity 1	Dimensions	
Product Length Row-to-Row Spacing Usage Conditions Operating Temperature (Max) Operating Temperature (Max) Operating Temperature Range Operating Temperature Range Operating Temperature Range Operating Temperature Range -40 – 140 °C[-40 – 284 °F] Operation/Application Circuit Application Signal Industry Standards Degree of Protection UL Flammability Rating Packaging Features Packaging Quantity 1	Connector Height	31.25 mm[1.23 in]
Row-to-Row Spacing Usage Conditions Operating Temperature (Max) Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C, 110 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][176 °F][178 °F][194 °F][212 °F][221 °F][230 °F][248 °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 Packaging Quantity 1	Product Width	25.7 mm[1.012 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 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1	Product Length	43 mm[1.693 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][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 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1	Row-to-Row Spacing	6 mm[.236 in]
110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][176 °F][185 °F][194 °F][221 °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 1	Usage Conditions	
Operation/Application Circuit Application Signal Industry Standards Degree of Protection UL Flammability Rating Packaging Features Packaging Quantity 1	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 Packaging Quantity Signal UP67 UL 94V-0 1	Operating Temperature Range	-40 - 140 °C[-40 - 284 °F]
Industry Standards Degree of Protection IP67 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1	Operation/Application	
Degree of Protection IP67 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 1	Circuit Application	Signal
UL Flammability Rating Packaging Features Packaging Quantity 1	Industry Standards	
Packaging Features Packaging Quantity 1	Degree of Protection	IP67
Packaging Quantity 1	UL Flammability Rating	UL 94V-0
	Packaging Features	
	Packaging Quantity	1
\sim	Packaging Method	Package



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: 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 # 2112300-1 PROTECTION CAP, FOR REC.HSG GROUP B













Also in the Series | Heavy Duty Sealed Connector Series



Automotive Connector Caps & Covers (25)



Automotive Housings(207)



Connector Seals & Cavity Plugs(5)



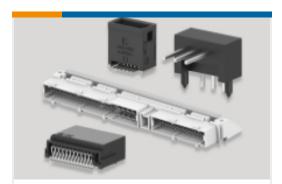
Data Connectivity Headers(2)



Data Connectivity Housings(18)



Other Automotive Connector Accessories(34)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #3-1703818-1 Heavy Duty Sealed Connector Series Housings



TE Part #964972-1 EINZELLEITERDICHTNG



TE Part #1443997-1 BASE ASSEMBLY, 60 POSITION, BB



TE Part #4-1719434-1 4POS DIA 2.5 SOCKET CONNECTOR HSG



TE Part #2345388-1 2POS,AMP MCP 2.8,REC HSG ASSY, SLD,COD 1



TE Part #2345390-2 3POS,AMP MCP 2.8,REC HSG ASSY, SLD,COD 2

TE Part #3-1813099-1 2.5mm SOCKET HSG ASSEMBLY (GREEN 4POS)



Documents

Product Drawings

4 POS AMP MCP 2.8 REC HSG

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-1418390-1_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1418390-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1418390-1_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