3-1418480-1 ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 3-1418480-1

Housing for Female Terminals, Wire-to-Wire, 7 Position, .236 in / .

157 in [4 mm / 6 mm] Centerline, Sealable, 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: 1.5 mm, 2.8 mm [.059 in, .11 in]

Connector System: Wire-to-Wire

Number of Positions: 7

Centerline (Pitch): 4 mm, 6 mm [.157 in, .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	Yes
Primary Locking Feature	On the Terminal
Configuration Features	
Number of Positions	7
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	Green
Connector & Keying Code	С

Contact Features



Terminal Position Assurance Strain Relief Without Mating Alignment Type Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Features Housing Material PBT GF Centerline (Pitch) 4 mm, 6 mm[157 in][236 in] Dimensions Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 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, 140 °C[158 °F][176 °F][176 °F][172 °F][176 °F][172 °F][176 °F][172 °F][176 °F][172 °F][176 °F][172 °F][171 °F][174 °F][174 °F][175 °F][174 °F][175 °F][174 °F][175 °F][174 °F][175		
Mating Tab Width 1.5 mm, 2.8 mm [059 in], 11 in] Contact Current Rating (Max) 40 A Mechanical Attachment Without Feminal 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 4 mm, 6 mm [157 in] [236 in] Centerline (Pitch) 4 mm, 6 mm [157 in] [236 in] Dimensions Connector Height Connector Height 31.25 mm [1.02 in] Product Width 25.7 mm [1.012 in] Product Length 44 mm [1.732 in] Rove-to-Row Spacing 3 mm [1.18 in] Usage Conditions Volume [1.00 mm, 1.00 mm, 1.00 mm, 1.00 mm, 1.00 mm] Operating Temperature (Max) 70 mm, 80 mm, 80 mm, 1.00	Contact Size	1.5K, 2.8mm
Contact Current Rating (Max) Mechanical Attachment Terminal Position Assurance Strain Relief Without Mating Alignment Type Method Alignment Mutting Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PBT GF Centerline (Pitch) Product Width Styre Mounting Type Product Width Product Length Administry Spacing Administry Product Width Product Length Administry Row-to-Row Spacing Amministry Usage Conditions Operating Temperature (Max) Operating Temperature Range Administry Coperating Temperature Range Administry Degree of Protection Industry Standards Degree of Protection Ut Tlanmability Rating Packaging Guantity 380	Contact Type	Receptacle
Mechanical Attachment Yes Strain Relief Without Making Alignment Type Keyed Making Alignment With Connector Mounting Type Cable Mount (Free Hanging) Housing Features Housing Material PBT GF Centerline (Pitch) Centerline (Pitch) 4 mm, 6 mm[,157 in][,236 in] Dimensions Connector Height Connector Height 31,25 mm[1,23 in] Product Width 25.7 mm[1,012 in] Product Length 44 mm[1,732 in] Row to Row Spacing 3 mm[,118 in] Usage Conditions Usage Conditions Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 105 °C, 100 °C, 105 °C, 110 °C, 125 °C, 130 °C, 140 °C(188 °F[,124 °F[,122 °F[,122 °F[,124 °F[,124 °F[,124 °F[,122 °F[,124 °F[Mating Tab Width	1.5 mm, 2.8 mm[.059 in][.11 in]
Strain Relief Without Mating Alignment Type Keyed Mating Alignment Type Cable Mount (Free-Hanging) Housing Features Housing Material PBT GT Centerline (Pirch) 4 mm, 6 mm[.157 in[[.236 in] Dimensions Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 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, 126 °C, 130 °C, 130 °C, 140 °C[158 °F][221 °F][220 °F][248 °F][257 °F][266 °F][248 °F] Operating Temperature Range 40 – 40 – 440 °C[-40 – 284 °F] Operating Industry Standards Degree of Protection IP67 UI Flammability Rating UI 94V-0 Packaging Features Packaging Ouantity 380	Contact Current Rating (Max)	40 A
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) 4 mm, 6 mml, 157 in [1,236 in] Dimensions Connector Height 31,25 mm [1,23 in] Product Width 25,7 mm [1,012 in] Product Length 44 mm [1,732 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 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C, 125 °C, 130 °C, 140 °C [158 °C, 110 °C, 125 °C, 130 °C,	Mechanical Attachment	
Mating Alignment Type Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PBT GF Centerline (Pitch) PBT GF Centerline (Pitch) A mm, 6 mm .157 in .236 in Dimensions Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length A4 mm[1.732 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, 105 °C, 110 °C, 125 °C, 130 °C, 140 °C 125 °F 221 °F 230 °F 248 °F 257 °F 266 °F 284 °F Operating Temperature Ronge Operation/Application Circuit Application Group Lapton Signal Industry Standards Degree of Protection UL Flammability Rating UL 94V-O Packaging Features Packaging Quantity 380	Terminal Position Assurance	Yes
Mating Alignment Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material PBT GF Centerline (Pitch) 4 mm, 6 mm[.157 in][.236 in] Dimensions Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 in] Row to Row Spacing 3 mm[1.118 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[128 °F][210 °F][212 °F][230 °F][248 °F][257 °F][266 °F][284 °F] Operating Temperature Range Operation/Application Circuit Application Circuit Application Industry Standards Degree of Protection UL Flammability Rating UL 9/IV-O Packaging Quantity 380	Strain Relief	Without
Connector Mounting Type Housing Features Housing Material PBT GF Centerline (Pitch) 4 mm, 6 mm[.157 in][.236 in] Dimensions Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 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 °C] 176 °T][176 °T][185 °T][194 °T][221 °T][221 °T][221 °T][226 °T][284 °T] 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 380	Mating Alignment Type	Keyed
Housing Features Housing Material PBT GF Centerline (Pitch) 4 mm, 6 mm[.157 in][.236 in] Dimensions Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 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][185 °F][176 °F][185 °F][176 °F][185 °F][221 °F][221 °F][221 °F][226 °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 9/V-0 Packaging Features Packaging Quantity 380	Mating Alignment	With
Housing Material	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch) Dimensions Connector Height Product Width 25.7 mm[1.012 in] Product Length Row-to-Row Spacing Usage Conditions Operating Temperature (Max) Operating Temperature Range Operating Temperature R	Housing Features	
Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 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][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F] Operating Temperature Range -40 -140 °C[-40 - 284 °F] Operating Application Signal Industry Standards Degree of Protection IP67 UL Flammability Rating UL 94V-0 Packaging Guantity 380	Housing Material	PBT GF
Connector Height 31.25 mm[1.23 in] Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 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][167 °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 Signal Industry Standards Degree of Protection IP67 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 380	Centerline (Pitch)	4 mm, 6 mm[.157 in][.236 in]
Product Width 25.7 mm[1.012 in] Product Length 44 mm[1.732 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, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °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 Industry Standards Degree of Protection IP67 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 380	Dimensions	
Product Length 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][167 °F][176 °F][176 °F][176 °F][176 °F][129 °F][221 °F][221 °F][220 °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 3 mm[.118 in] 44 mm[1.732 in] 45 mm[.118 in] 46 mm[.18 in] 47 mm[.18 in] 48 mm[.18 in] 49 color (Loop of the Color of the Colo	Connector Height	31.25 mm[1.23 in]
Now-to-Row Spacing 3 mm[.118 in]	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][176 °F][176 °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 380	Product Length	44 mm[1.732 in]
Operating Temperature (Max) 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °	Row-to-Row Spacing	3 mm[.118 in]
110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][187 °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 380	Usage Conditions	
Operation/Application Circuit Application Signal Industry Standards Degree of Protection UL Flammability Rating Packaging Features Packaging Quantity Signal UP67 UL 94V-0 380	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-0 380	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 380	Operation/Application	
Degree of Protection IP67 UL Flammability Rating UL 94V-0 Packaging Features Packaging Quantity 380	Circuit Application	Signal
UL Flammability Rating Packaging Features Packaging Quantity 380	Industry Standards	
Packaging Features Packaging Quantity 380	Degree of Protection	IP67
Packaging Quantity 380	UL Flammability Rating	UL 94V-0
	Packaging Features	
Packaging Method Box	Packaging Quantity	380
	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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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 # CAT-AM705-T273

AMP MCP, RECEPTACLE AND TAB



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 #4-1670730-1 Heavy Duty Sealed Connector Series Housings



TE Part #ZPF00000000167612 DMC-MD 26 N-T



TE Part #ZPF00000000019843 FDBA 57-10-6 SN-K-A499



TE Part #1924939-1 PLUG ASSY, 96P GPEC II KEY A RIGHT EXIT



TE Part #1-1924067-6 2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part #ZPF00000000100977 983-0RS 10-05 PN-A246



TE Part #ZPF000000000032724 983-0RS 10-05 SN



TE Part #ZPF0000000000007220 983-0RS 14-15 PN-L



Documents

Product Drawings

7 POS MIXED REC HSG CODC

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-1418480-1_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-1418480-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-1418480-1_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