



Connectors > Automotive Connectors > Automotive Housings > LEAVYSEAL Housings



Connector System: **Wire-to-Wire**  
Number of Positions: **31**  
Connector & Housing Type: **Housing for Female Terminals**  
Centerline (Pitch): **5.5 mm, 9 mm**  
Sealable: **Yes**

[All LEAVYSEAL Housings \(64\)](#)

Features

Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector          | Yes                          |
| Connector Shape                   | Rectangular                  |
| Connector System                  | Wire-to-Wire                 |
| Connector & Housing Type          | Housing for Female Terminals |
| Sealable                          | Yes                          |
| Connector & Contact Terminates To | Wire & Cable                 |
| Primary Locking Feature           | Contact Retainer             |

Configuration Features

|                       |      |
|-----------------------|------|
| Blank Cavity Position | 0    |
| Number of Positions   | 31   |
| Number of Rows        | 2, 3 |

Electrical Characteristics

|  |  |
|--|--|
|  |  |
|--|--|



|                   |        |
|-------------------|--------|
| Operating Voltage | 36 VDC |
|-------------------|--------|

Body Features

|                         |        |
|-------------------------|--------|
| Cable Exit Angle        | 90°    |
| Primary Product Color   | Violet |
| Connector & Keying Code | E      |

Contact Features

|                              |                |
|------------------------------|----------------|
| Contact Size                 | 2.8mm          |
| Mating Tab Width             | 2.8 mm, 5.8 mm |
| Contact Current Rating (Max) | 25 A, 45 A     |

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment Type   | Keyed                      |
| Mating Alignment        | With                       |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                    |              |
|--------------------|--------------|
| Housing Material   | PBT GF       |
| Centerline (Pitch) | 5.5 mm, 9 mm |

Dimensions

|                                      |                           |
|--------------------------------------|---------------------------|
| Connector Height                     | 45.93 mm                  |
| Product Width                        | 47.1 mm                   |
| Product Length                       | 125 mm                    |
| Row-to-Row Spacing                   | 5 mm, 9 mm                |
| Compatible Insulation Diameter Range | 2.2 – 3 mm, 3.4 – 4.32 mm |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 120 °C[248 °F]             |
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F] |

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                      |             |
|----------------------|-------------|
| Degree of Protection | IP67, IP69K |
| Agency/Standard      | LV214       |

Packaging Features

|  |  |
|--|--|
|  |  |
|--|--|



|                    |          |
|--------------------|----------|
| Packaging Quantity | 44       |
| Packaging Method   | Standard |
| 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)<br>Candidate List Declared Against: JAN 2023 (233)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                           |
| Solder Process Capability                     | Not reviewed 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

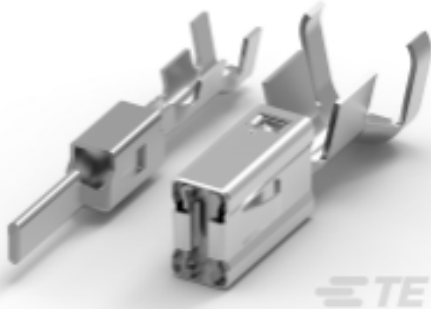




TE Part # CAT-L489-H342  
LEAVYSEAL Headers



TE Part # CAT-L489-M8649  
LEAVYSEAL Mounting Accessories



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

Also in the Series

LEAVYSEAL



Automotive Connector Caps & Covers  
(17)



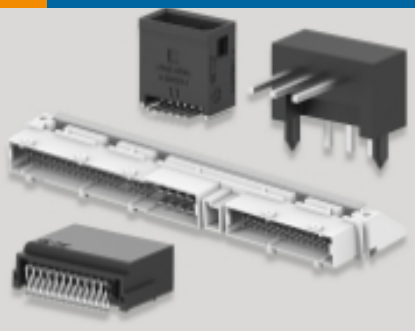
Automotive Housings(79)



Insertion & Extraction Tools(5)



Other Automotive Connector  
Accessories(15)



PCB Headers & Receptacles(16)

Documents

Product Drawings

31POS,HYBRID,REC HSG ASSY,SLD,COD E

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2368394-6\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2368394-6\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2368394-6\_A.3d\_stp.zip

English

1-2368394-6

Housing for Female Terminals, Wire-to-Wire, 31 Position, 5.5 mm / 9 mm Centerline, Sealable, Violet, Wire & Cable, Power & Signal, LEAVYSEAL



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

[Product Specifications](#)

[Application Specification](#)

German