



AMP | MQS

TE Internal #: 1-284272-5

Housing for Female Terminals, Wire-to-Device / Wire-to-Board / Wire-to-Wire, 64 Position, .098 in [2.54 mm] Centerline, Sealable, Black, Signal, MQS

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Connectors > Automotive Connectors > Connector Housings > MQS, CONNECTOR HOUSING



Connector & Housing Type: **Housing for Female Terminals**

Mating Tab Width: **.63 mm [ .025 in ]**

Connector System: **Wire-to-Board, Wire-to-Device, Wire-to-Wire**

Number of Positions: **64**

Centerline (Pitch): **2.54 mm [ .098 in ]**

[All MQS, CONNECTOR HOUSING \(557\)](#)

## Features

### Product Type Features

|                           |   |
|---------------------------|---|
| Connector & Housing Shape | Rectangular                                 |
| Connector & Housing Type  | Housing for Female Terminals                |
| Connector System          | Wire-to-Board, Wire-to-Device, Wire-to-Wire |
| Sealable                  | Yes   |
| Hybrid Connector          | No  |
| Primary Locking Feature   | Integrated in Housing                       |

### Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 64 |
| Number of Rows      | 4  |

### Electrical Characteristics

|                              |            |
|------------------------------|------------|
| Operating Voltage            | 24 VDC     |
| Nominal Voltage Architecture | 12 V, 24 V |

### Body Features

|                       |       |
|-----------------------|-------|
| Cable Exit Angle      | 90°   |
| Body Material         | PA GF |
| Primary Product Color | Black |



### Contact Features

|                  |                 |
|------------------|-----------------|
| Contact Size     | .64mm           |
| Contact Type     | Receptacle      |
| Mating Tab Width | .63 mm[.025 in] |

### Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Mounting Feature            | Without                    |
| Terminal Position Assurance | Yes                        |
| Strain Relief               | Without                    |
| Mating Alignment Type       | Polarization Slot          |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

### Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 2.54 mm[.098 in] |
|--------------------|------------------|

### Dimensions

|                    |                   |
|--------------------|-------------------|
| Product Width      | 38.5 mm[1.516 in] |
| Product Length     | 88.8 mm[3.496 in] |
| Product Height     | 68 mm[2.677 in]   |
| Row-to-Row Spacing | 6 mm[.236 in]     |

### Usage Conditions

|                             |   |
|-----------------------------|---|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F] |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F]  |

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Packaging Features

|                  |     |
|------------------|-----|
| 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: JAN 2022 (223)<br>Candidate List Declared Against: JAN 2022 (223)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free   |
| 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 | **MQS**



Automotive Connector Caps & Covers (131)



Automotive Connector EMC Shielding (2)



Automotive Connector Locks & Position Assurance(29)



Automotive Housings(489)



Automotive Seals & Cavity Plugs(26)



Automotive Terminals(96)



Insertion & Extraction Tools(42)

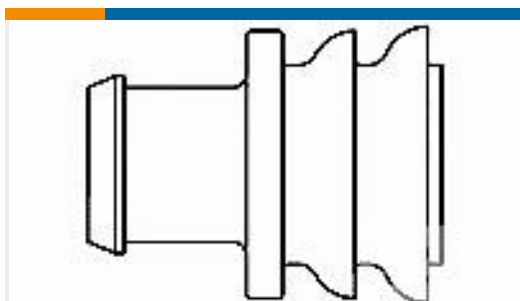


Other Automotive Connector Accessories(13)



PCB Headers & Receptacles(207)

## Customers Also Bought



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #DT04-2P  
DEUTSCH DT Series Housings & Connectors



TE Part #W2S  
DEUTSCH DT WEDGELOCKS



TE Part #0460-202-16141  
DEUTSCH SOLID CONTACTS



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

## Documents



### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-284272-5\\_D.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-284272-5\\_D.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-284272-5\\_D.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### Micro Quadlok Interconnection System (MQS)

English

### Product Specifications

#### 64+64 POS. MQS HEADER AND REC. CONN. PRODUCT SPECIFICATION

English

#### Product Specification

English

### Instruction Sheets

#### 64 pos. female conns. for engine management

English

#### Instruction Sheet (non U.S.)

English