# 953486-1 ✔ ACTIVE

MQS

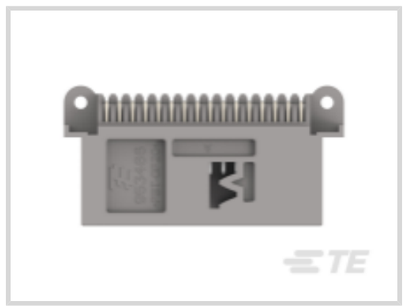
TE Internal #: 953486-1

Horizontal, Wire-to-Board, 32 Position, 2 Row, 2.54mm [.1in] Centerline, Tin (Sn), Printed Circuit Board, 7.5A Contact Current Rating (Max), Signal

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > Signal Header







PCB Mount Orientation: **Horizontal**

Contact Current Rating (Max): **7.5 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **No**

Centerline (Pitch): **2.54 mm [ .1 in ]**

All Signal Header (232)

## Features

### Product Type Features

| | |
|---|---|
| Connector Product Type | Connector Assembly |
| Mixed & Hybrid Header | No |
| Header Type | Fully Shrouded |
| Connector Shape | Rectangular |
| Sealable | No |
| Connector System | Wire-to-Board |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Signal Positions | 32 |
| Number of Sections | 1 |
| PCB Mount Orientation | Horizontal |
| Number of Positions | 32 |
| Number of Rows | 2 |

## Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Connector & Keying Code | A |
| Primary Product Color | Gray |

## Contact Features

| | |
|---|---|
| Mating Tab Width | .63 mm[.025 in] |
| Mating Tab Thickness | .63 mm[.025 in] |
| Contact Type | Tab |
| Contact Current Rating (Max) | 7.5 A |
| Contact Mating Area Plating Material | Tin (Sn) |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | Without |
| Mating Retention Type | Locking Interface |
| PCB Mount Retention | Without |
| Mounting Holes | With |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 2.54 mm[.1 in] |

## Dimensions

| | |
|---|---|
| Connector Width | 27.4 mm[1.079 in] |
| PCB Thickness (Recommended) | 1.6 mm[.063 in] |
| Profile Height from PCB | 16 mm[.63 in] |
| Connector Length | 54.8 mm[2.157 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature (Max) | 100 °C[212 °F] |

| | |
|---|---|
| Operating Temperature Range | -40 – 100 °C[-40 – 212 °F] |

### Operation/Application

| | |
|---|---|
| Solder Process | Wave Solder Capable |
| Shielded | No |
| Circuit Application | Signal |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 650 |
| Packaging Method | Tray |

### Other

| | |
|---|---|
| Interface Number | 114-94218, 929053 |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

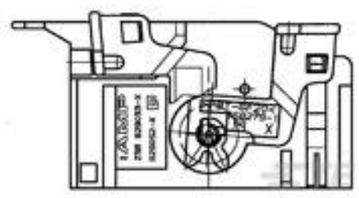
| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Wave solder capable to 240°C |

Product Compliance Disclaimer

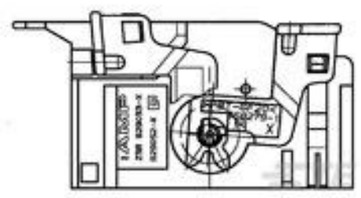
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 953487-1
32W MQS RIGHT ANGLE HSG



TE Part # 929053-2
MQS ABDEKA M.HEB32P

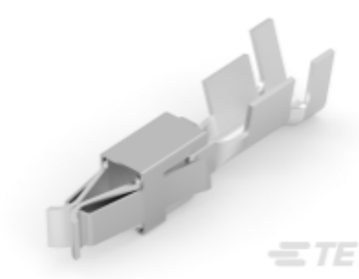


TE Part # 929053-1
MQS ABDEKA M.HEB32P

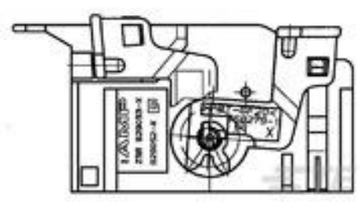
## Customers Also Bought



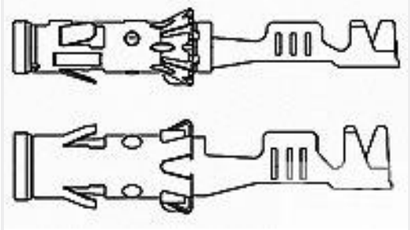
TE Part #2-292173-2
CT BOX HDR H SMT 2P O/TAPE BLA



TE Part #927777-3
JUNIOR POWER TIMER CONTACT



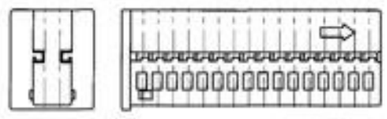
TE Part #929053-1
MQS ABDEKA M.HEB32P



TE Part #1-929974-4
2,5MM SWS REC.CONT.



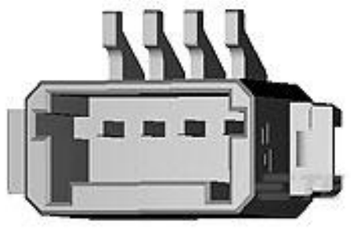
TE Part #CAT-SIGH262
Signal Header



TE Part #968265-1
32POS MQS REC



TE Part #1534789-1
ADAPTER 90DEG 4/7POS



TE Part #2106091-3
4 pos Inverted Thru Board SMT Header



TE Part #2106091-5
6 pos Inverted Thru Board SMT Header

## Documents

### Product Drawings

32pos MQS .63 header 90deg

English

### CAD Files

3D PDF

3D

## Customer View Model

ENG_CVM_CVM_953486-1_A.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_953486-1_A.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_953486-1_A.3d_stp.zip

English

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

# Product Specifications

## Product Specification

English