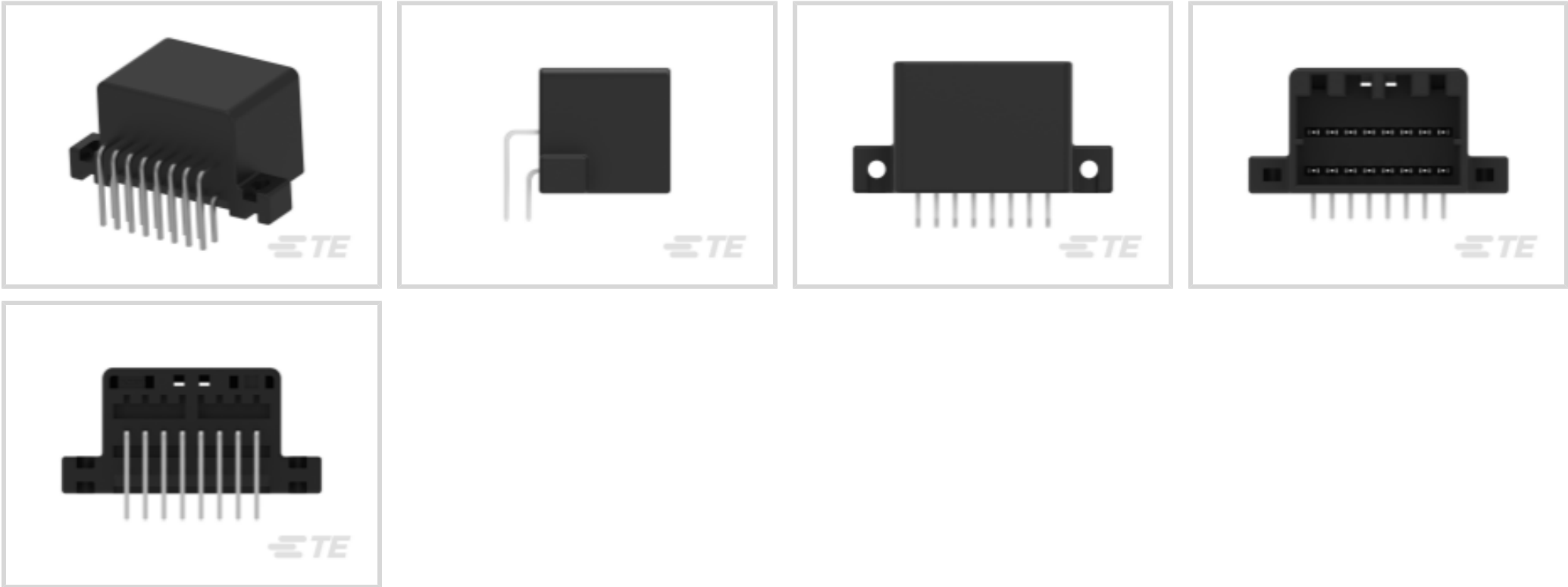




Connectors > PCB Connectors > PCB Headers & Receptacles > Signal Header



Connector System: **Wire-to-Board**  
Number of Positions: **16**  
Centerline (Pitch): **2.5 mm [ .098 in ]**  
Sealable: **No**  
PCB Mount Orientation: **Horizontal**

[All Signal Header \(295\)](#)

Features

Product Type Features

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

Configuration Features

|                            |            |
|----------------------------|------------|
| Number of Sections         | 1          |
| Number of Signal Positions | 16         |
| Number of Positions        | 16         |
| PCB Mount Orientation      | Horizontal |
| Number of Rows             | 2          |



Electrical Characteristics

|                              |        |
|------------------------------|--------|
| Voltage Rating (Max)         | 12 VDC |
| Nominal Voltage Architecture | 12 V   |
| Operating Voltage            | 12 VDC |

Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

|                                      |                  |
|--------------------------------------|------------------|
| Contact Size                         | 1mm              |
| Contact Type                         | Tab              |
| Mating Tab Width                     | 1 mm [.039 in]   |
| Mating Tab Thickness                 | .64 mm [.025 in] |
| Contact Mating Area Plating Material | Tin              |

Termination Features

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

Mechanical Attachment

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

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 2.5 mm [.098 in] |
|--------------------|------------------|

Dimensions

|                             |                   |
|-----------------------------|-------------------|
| Connector Length            | 22.5 mm [.886 in] |
| Connector Width             | 35 mm [1.378 in]  |
| PCB Thickness (Recommended) | 1.6 mm [.063 in]  |
| Profile Height from PCB     | 16.9 mm [.665 in] |

Usage Conditions

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



|                             |                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature (Max) | 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F] |
| Operating Temperature Range | -30 – 105 °C[-22 – 221 °F]                                                                                               |

Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |

Industry Standards

|                        |         |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 70   |
| Packaging Method   | Tube |

Other

|                  |        |
|------------------|--------|
| Interface Number | 175966 |
|------------------|--------|

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 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<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                     | 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 # CAT-M9194-CH8172  
MULTILOCK, CONNECTOR HOUSING

TE Part # 173683-2  
040 TAB, MULTI-LOCK I/O CONN.

Also in the Series | Multilock Connector System

Automotive Connector Caps & Covers  
(10)

Automotive Connector Locks &  
Position Assurance(3)

Automotive Housings(445)

Automotive Terminals(118)

Connector Seals & Cavity Plugs(2)

Insertion & Extraction Tools(6)

Other Automotive Connector  
Accessories(12)

PCB Headers & Receptacles(134)

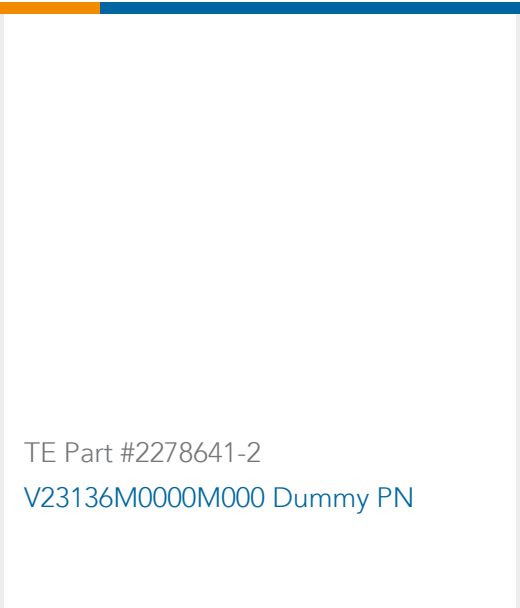
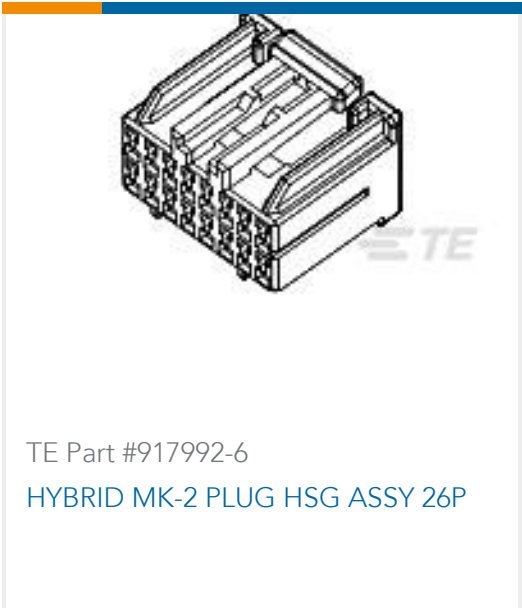
Customers Also Bought

TE Part #368135-1  
MULTILOCK, CONNECTOR HOUSING

TE Part #174979-2  
Signal Header

TE Part #85202-1  
JR POWER TIMER 2P ASSY

TE Part #284422-1  
32POS MQS REC



Documents

CAD Files

Customer View Model

[ENG\\_CVM\\_175615-2\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_175615-2\\_K.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_175615-2\\_K.2d\\_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_175615-2\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_175615-2\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_175615-2\\_H.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

[.040 SERIES MULTI LOCK I/O CONNECTOR \(NON INERTIA TYPE\)](#)

English

[.040 SERIES MULTI LOCK I/O CONNECTOR \(NON INERTIA TYPE\)](#)

Japanese

Product Specification

Japanese



Product Specification

Japanese

Instruction Sheets

Customer Manual (non U.S.)

Japanese

.040 Series Multilock I/O Connector Mark II

Japanese

Customer Manual (non U.S.)

Japanese

.040 Series, Multilock I/O Connector, Mark II

Japanese