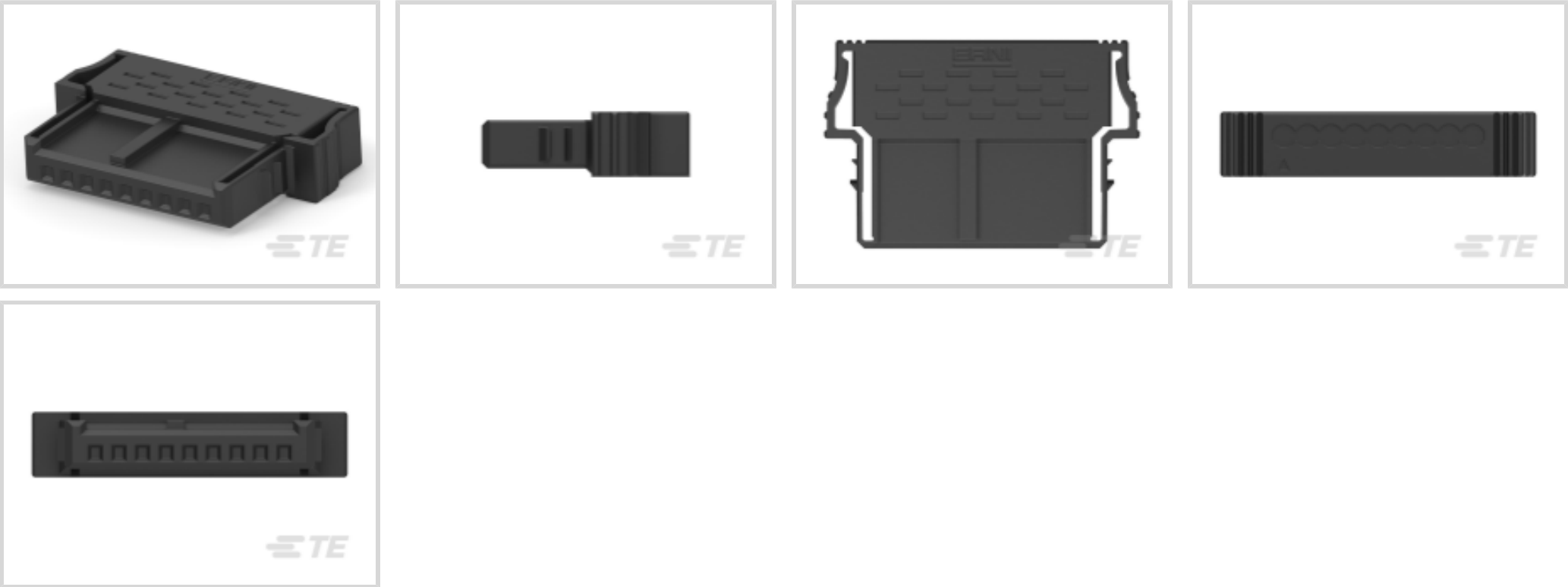




Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **9**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **1**

Primary Product Color: **Black**

Features

Product Type Features

|                                   |                 |
|-----------------------------------|-----------------|
| Connector Shape                   | Rectangular     |
| Header Type                       | One Piece - IDC |
| Connector System                  | Wire-to-Board   |
| Connector & Contact Terminates To | Wire & Cable    |

Configuration Features

|                                  |              |
|----------------------------------|--------------|
| Number of Columns                | 9            |
| Number of Loaded Positions       | 9            |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions              | 9            |
| Number of Rows                   | 1            |

Electrical Characteristics

|                       |        |
|-----------------------|--------|
| Insulation Resistance | 100 MΩ |
| Contact Resistance    | 5 mΩ   |

Body Features

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



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

Contact Features

|                                               |              |
|-----------------------------------------------|--------------|
| Contact Layout                                | Inline       |
| Contact Type                                  | Receptacle   |
| PCB Contact Termination Area Plating Material | Tin          |
| Contact Base Material                         | Copper Alloy |
| Contact Mating Area Plating Material          | Gold (Au)    |
| Contact Current Rating (Max)                  | 9 A          |

Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Mating Alignment Type   | Polarization               |
| Mating Retention        | With                       |
| Mating Alignment        | With                       |
| Mating Retention Type   | Latches                    |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | PPA             |
| Centerline (Pitch) | 1.27 mm[.05 in] |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 150 °C[302 °F]             |
| Operating Temperature Range | -40 – 150 °C[-40 – 302 °F] |

Operation/Application

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

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

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                   | Not Yet Reviewed                        |
| 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 2024 (240)<br>Candidate List Declared Against: JUNE 2023 (235)<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 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 # 505318-E  
MCBA 16 F \* 035 137 \* 197 1,27 TRAY VR2

## Also in the Series | ERNI MicroBridge

PCB Headers & Receptacles(28)

Wire-to-Board Connector Assemblies & Housings(9)

## Customers Also Bought



TE Part #DT04-2P  
REC, 2P, GRY, N

TE Part #DT06-2S  
PLG, 2P, GRY, N

TE Part #W2S  
Wedgelocks: DEUTSCH DT

TE Part #0460-202-16141  
DEUTSCH Solid Contacts

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

TE Part #281934-2  
SINGLE WIRE SEAL

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

Documents

Product Drawings

MCBA 9 F \* 035 137 \* 197 1,27 TRAY VR2 J

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_514983-E\_1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_514983-E\_1.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_514983-E\_1.2d\_dxf.zip

English

3D PDF

3D

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

Datasheets & Catalog Pages

Datasheet - ERNI MicroBridge Automotive Applications

English

Product Specifications

Application Specification

English