

505318-E ✓ ACTIVE

ERNI | ERNI MicroBridge

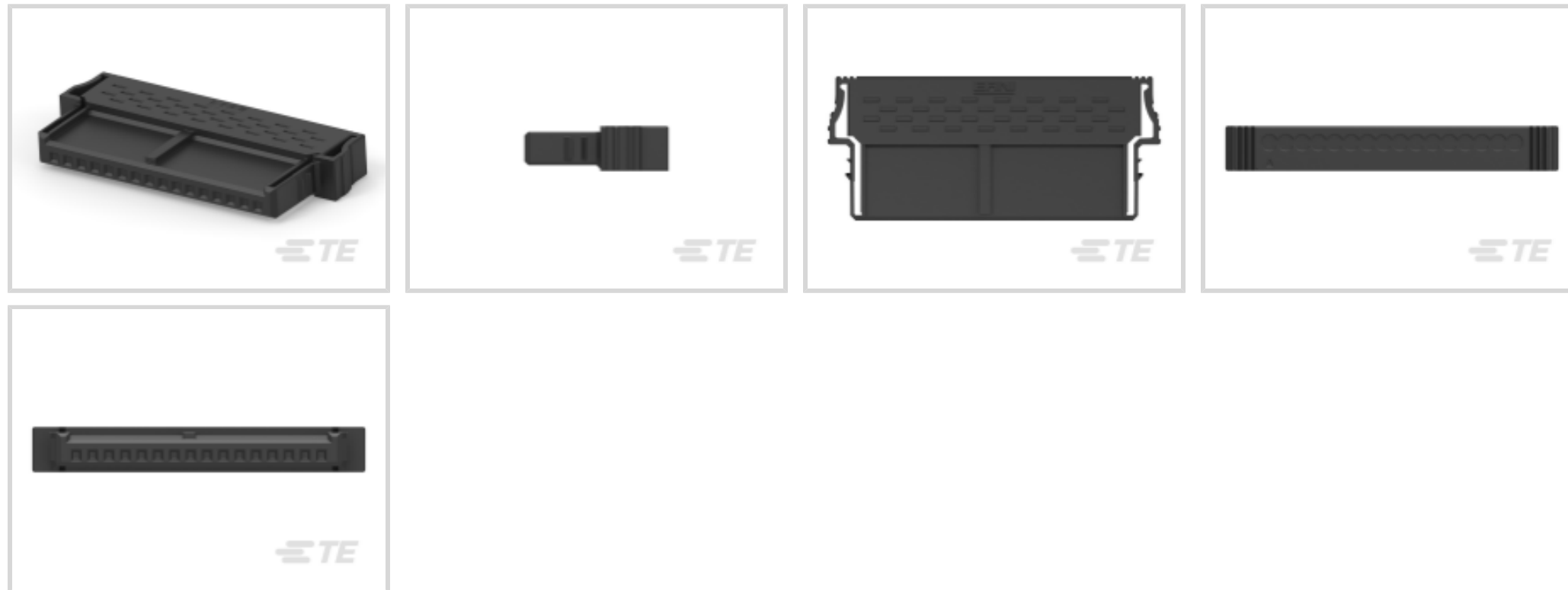
TE Internal #: 505318-E

Wire-to-Board, 16 Position, 1.27 mm [.05 in] Centerline, One Piece -
IDC, Gold (Au), Power & Signal, Black, Tray, ERNI MicroBridge

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **16**

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	16
Number of Loaded Positions	16
Connector Contact Load Condition	Fully Loaded
Number of Positions	16
Number of Rows	1

Electrical Characteristics

Insulation Resistance	100 M Ω
Contact Resistance	5 m Ω

Body Features



Primary Product Color	Black
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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
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
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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)Candidate List Declared Against: JUNE
2023 (235)

Does not contain REACH SVHC

Halogen Content

Not Yet Reviewed for halogen content

Solder Process Capability

Not reviewed for solder process capability

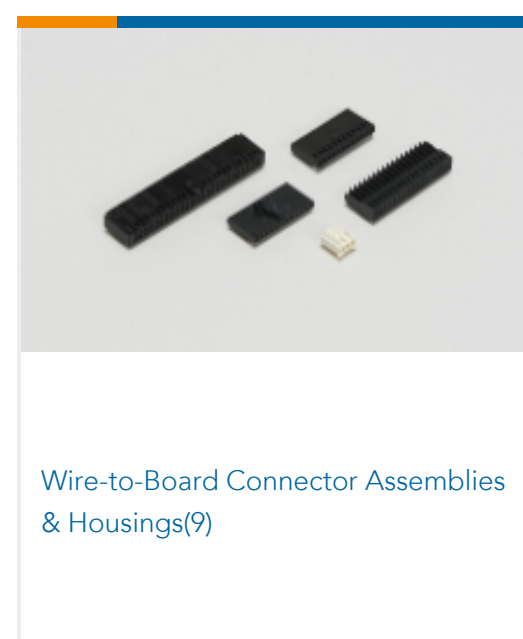
Product Compliance Disclaimer

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



Also in the Series | ERNI MicroBridge



Customers Also Bought



TE Part #5747847-4
37 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #170341-3
FF 250 TAB 14-12AWG PTBR
WITHOUT LATCH



TE Part #2316108-6
6P,2MM,REC,HSG,DR,CRIMP,PLAIN,
BOX



TE Part #4-2176330-9
CRGP 2010 100K 1%



TE Part #927773-3
JPT REC 2.8 Contact SRC Sn



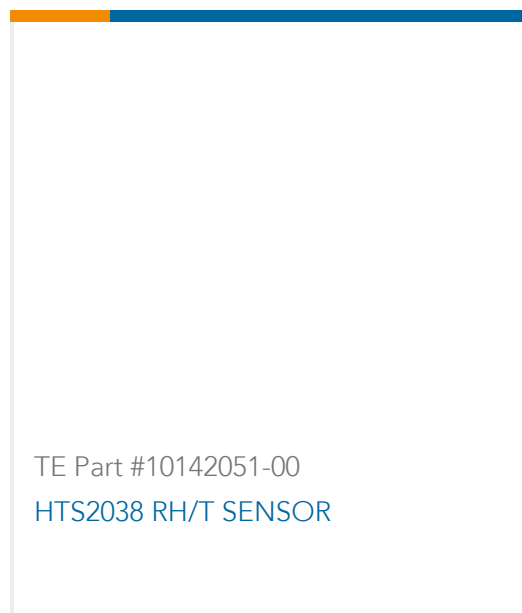
TE Part #1355717-1
MQS0,63 Sn rec LL unseal. 0,08-0,22



TE Part #5-1355397-3
4POS MQS REC COD E



TE Part #474016-E
DRCB 2,54 10 M SMD * 137 E012 094
GURT *



TE Part #10142051-00
HTS2038 RH/T SENSOR



TE Part #384456-E
SRCBUG A 2,54 2 4 CSI 165 E1 ADV J
2 324

Documents

Product Drawings

[MCBA 16 F * 035 137 * 197 1,27 TRAY VR2](#)

English

[MCBA 16 F * 035 137 * 197 1,27 TRAY VR2](#)

German

CAD Files

Customer View Model

[ENG_CVM_CVM_505318-E_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_505318-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_505318-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