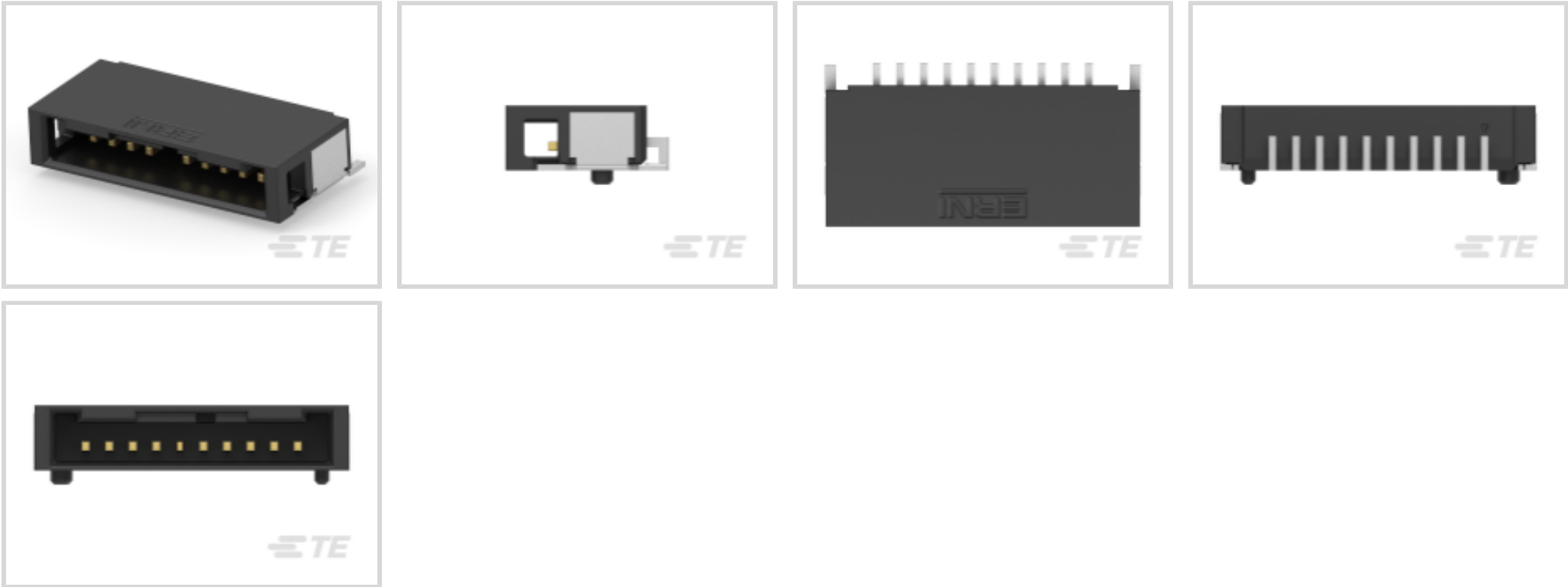




Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Cable-to-Board**

Number of Positions: **10**

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

PCB Mount Orientation: **Right Angle**

Number of Rows: **1**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Columns	10
Number of Loaded Positions	10
Connector Contact Load Condition	Fully Loaded
Number of Positions	10
PCB Mount Orientation	Right Angle
Number of Rows	1

Electrical Characteristics

Insulation Resistance	100 MΩ
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Contact Resistance	5 mΩ
Body Features	
Primary Product Color	Black
Contact Features	
Contact Mating Area Length	3.5 mm[.138 in]
PCB Contact Termination Area Plating Material Thickness	4 – 6 μm[157.48 – 236.22 μin]
Contact Layout	Inline
Contact Type	Pin
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
Termination Features	
Termination Method to PCB	Surface Mount
Mechanical Attachment	
Mounting Alignment Feature Length	.75 mm[.029 in]
PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization Groove
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
Mating Retention Type	Locking
Connector Mounting Type	Board Mount
Housing Features	
Housing Material	LCP
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	
Shielded	No



Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0

Packaging Features	
Packaging Method	Tape & Reel

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) Candidate List Declared Against: JUNE 2024 (241) 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 # 504315-E MCBA 14 M * SMD 137 * 176 * GURT * J 2 5	 TE Part # 504325-E MCBA 16 M * SMD 137 * 176 * GURT * J 2 5	 TE Part # 514523-E MCBA 6 M * SMD 137 * 176 * GURT C3 J 2 5	 TE Part # 515089-E MCBA 5 M * SMD 137 * 176 * GURT C3 J 2 5
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TE Part # 515898-E
MCBA 4 M * SMD 137 * 176 * GURT
C2 J 2 5

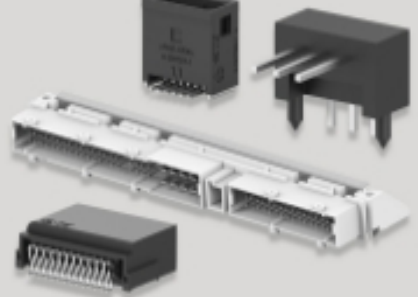


TE Part # 524471-E
MCBP 10 F 2 035 137 * 197 1,27 TRAY
VR2

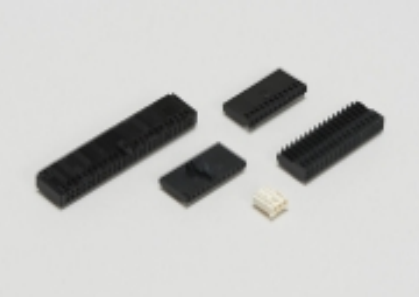


TE Part # 544661-E
MCBP 10 F 2 022 137 * 197 1,27 TRAY
VR2

Also in the Series | ERNI MicroBridge



PCB Headers & Receptacles(28)

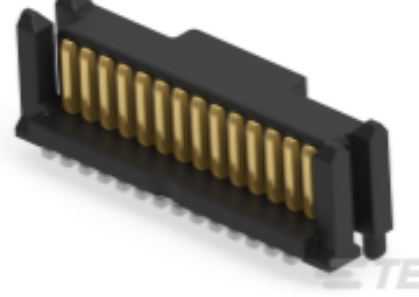


Wire-to-Board Connector Assemblies
& Housings(9)

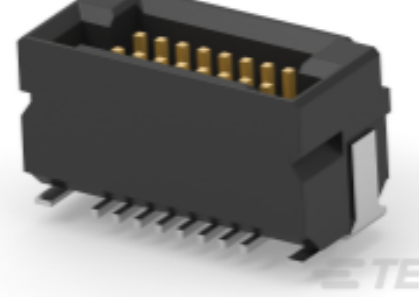
Customers Also Bought



TE Part #1394353-2
FLACHSTE A-P 1,5



TE Part #284257-E
MICROS STV 14 407 188 * 0007 J 3
284257



TE Part #454928-E
DRCQ 0,80 16 M 2 SMD M2 137 E009
176 GU-



TE Part #515094-E
MCBA 8 M * SMD 137 * 176 * GURT
C4 J 2 5



TE Part #164307-E
ERMBGR FBUK GSE * M4 9999
ERMET-BAUSATZ



TE Part #515966-E
MCBA 4 M * SMD 137 * 176 * GURT
C4 J 2 5



TE Part #515971-E
MCBA 6 M * SMD 137 * 176 * GURT
C6 J 2 5



TE Part #515974-E
MCBA 6 M * SMD 137 * 194 * GURT
C6 J 2 5



TE Part #524141-E
MCBA 8 M * SMD 137 * 176 * GURT
C8 J 2 5



TE Part #168350-E
IDCCS SMC 1,27 50 * AU AUI 700 PVC



Documents

Product Drawings

MCBA 10 M * SMD 137 * 176 * GURT C5 J 2

English

MCBA 10 M * SMD 137 * 176 * GURT C5 J 2

German

CAD Files

Customer View Model

ENG_CVM_CVM_515944-E_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_515944-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_515944-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

108-161172 MicroBridge IDC SMT

English