



Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Retention: **With**

Mating Retention Type: **Latch**

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

Features

Product Type Features

Connector Product Type	Connector Assembly
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Termination Resistance	5 mΩ
Insulation Resistance	100 MΩ

Body Features

Primary Product Color	Black
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Contact Features

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Contact Layout	Inline
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	9 A
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Width	3.5 mm[.138 in]
Connector Height	13.2 mm[.519 in]
Connector Length	8.2 mm[.323 in]
Wire Size	.35 mm²

Usage Conditions

Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]
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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	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: FEB 2026 (253) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free
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 # 2447854-4
EPT-A1, ERNI IDC Mach, 90 deg, with CCD



TE Part # 504350-E
MCBP 2 M * SMD 137 * 197 * GURT * J 2 50



TE Part # 524451-E
MCBP 8 F 2 035 137 * 197 1,27 TRAY VR2 J



TE Part # 2447854-3
EPT-A1, ERNI IDC Mach, 90 deg, w/o CCD



TE Part # 504345-E
MCBP 2 M * SMD 137 * 197 * GU-H * J 2 50



TE Part # 2447854-1
EPT-A1, ERNI IDC Mach, Combo 90&180 deg



TE Part # 524431-E
MCBP 5 F 2 035 137 * 197 1,27 TRAY VR2 J



TE Part # 524441-E
MCBP 6 F 2 035 137 * 197 1,27 TRAY VR2 J



TE Part # 524444-E

MCBP 6 F 2 035 137 * 203 1,27 TRAY VR2 J

TE Part # 504235-E

MCBA 2 M * SMD 137 * 176 * GURT * J 2 50

Also in the Series | ERNI MicroBridge

Board-to-Board Headers & Receptacles(13)

PCB Headers & Receptacles(23)

Rectangular Power Connectors(43)

Standard Rectangular Connectors(20)

Wire-to-Board Connector Assemblies & Housings(2)

Wire-to-Board Headers & Receptacles (2)

Customers Also Bought

TE Part #524431-E

MCBP 5 F 2 035 137 * 197 1,27 TRAY VR2 J

TE Part #524441-E

MCBP 6 F 2 035 137 * 197 1,27 TRAY VR2 J

TE Part #524444-E

MCBP 6 F 2 035 137 * 203 1,27 TRAY VR2 J

TE Part #504235-E

MCBA 2 M * SMD 137 * 176 * GURT * J 2 50

TE Part #524471-E

MCBP 10 F 2 035 137 * 197 1,27 TRAY VR2

TE Part #524451-E

MCBP 8 F 2 035 137 * 197 1,27 TRAY VR2 J

TE Part #524421-E

MCBP 4 F 2 035 137 * 197 1,27 TRAY VR2 J

TE Part #524481-E

MCBP 12 F 2 035 137 * 197 1,27 TRAY VR2



Documents

Product Drawings

MCBP 2 F 2 035 137 * 197 1,27 TRAY VR2 J

German

CAD Files

Customer View Model

ENG_CVM_CVM_524401-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_524401-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_524401-E_1.3d_igs.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