474109-E ✔ ACTIVE

ERNI | ERNI MiniBridge

TE Internal #: 474109-E

PCB Mount Header, Right Angle, Cable-to-Board, 3 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold (Au), Surface Mount, ERNI MiniBridge

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **3**

Number of Rows: **1**

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

Features

Product Type Features

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

Configuration Features

Number of Columns	3
Number of Loaded Positions	3
Connector Contact Load Condition	Fully Loaded
Number of Positions	3
Number of Rows	1
PCB Mount Orientation	Right Angle

Electrical Characteristics

Insulation Resistance	10000 MΩ

Body Features

Primary Product Color	Black

Contact Features

PCB Contact Termination Area Plating Material Thickness	4 – 6 µm[157.48 – 236.22 µin]
Contact Shape & Form	Rectangular
Contact Layout	Inline
Contact Mating Area Length	2.2 mm[.087 in]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	8 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

Mounting Alignment Feature Length	.75 mm[.029 in]
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Pegs
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Liquid Crystal Polymer (LCP)

Dimensions

Connector Width	7.2 mm[.283 in]
Connector Height	3.48 mm[.137 in]
Profile Height from PCB	3.48 mm[.137 in]
Connector Length	8.89 mm[.35 in]

Usage Conditions

Operating Temperature (Max)	150 °C[302 °F]
Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	DIN, UL
Industry Standard	IEC
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Reel Diameter	330 mm[12.99 in]
Packaging Quantity	1000
Packaging Method	Tape & Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

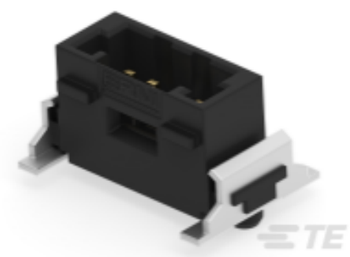
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: FEB 2026 (253) Candidate List Declared Against: JUNE 2023 (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

TE Part # 474125-E
SRCP 1,27 2 M 1-KS SMD 137 E1 094 * GU-H



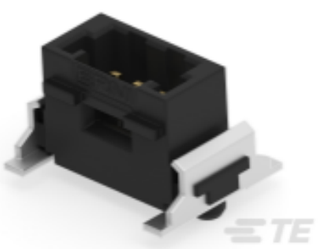
TE Part # 474127-E
SRCP 1,27 4 M 1-KS SMD 137 E1 094 * GU-H

TE Part # 474142-E
SRCA 1,27 3 F 1-KS IDC22 137 E1 094 1,27

TE Part # 484637-E
SRCA 1,27 3 F 1-KS I2426 137 E1 094 1,07

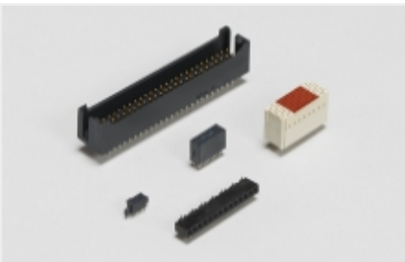
TE Part # 474158-E
SRCP 1,27 3 F 1-KS IDC22 137 E1 162 1,27

TE Part # 484656-E
SRCP 1,27 3 F 1-KS I2426 137 E1 162 1,07



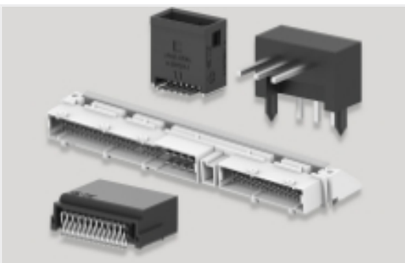
TE Part # 474126-E
SRCP 1,27 3 M 1-KS SMD 137 E1 094 * GU-H

Also in the Series | ERNI MiniBridge



Board-to-Board Headers & Receptacles(1)

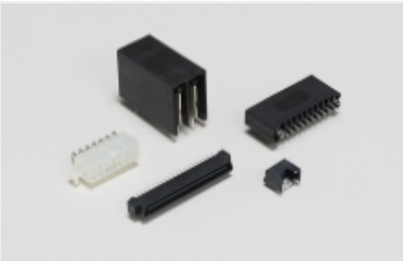
Connector Hardware(1)



PCB Headers & Receptacles(32)

Pluggable I/O Cable Assemblies(24)

Rectangular Power Connectors(48)



Standard Rectangular Connectors(16)

Customers Also Bought

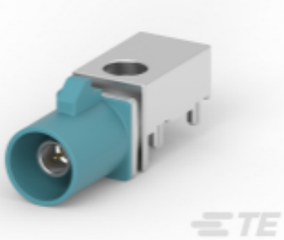
TE Part #4-794618-0
10P MICRO MNL ASSY R/A HDR LF

TE Part #4-1393240-0
RT334005

TE Part #9-1879133-4
RN 0603 8K25 0.1% 10PPM 1K RL

TE Part #2176349-6
CRGCQ 2512 27R 1%

TE Part #5-2177419-3
32POS,TAB0.5X0.4,HEADER ASSY, CODB



TE Part #7-2287906-0
FAKRA, 1 POS, EDGE MOUNT, 12 OCLOCK ASSY

TE Part #2315530-1
5PORT,MATENET,HDR ASSY,180DEG, COD A

TE Part #1832784-1
AFSN-73.7Z-10special VP8D6X-1

TE Part #1832785-1
AFSN-7.9Z-12 VP8D6X-18B921-G

TE Part #1832786-1
AFSN-71Z-4 VP8D6X-18B921-E

Documents

Product Drawings

SRCA 1,27 3 M 1-KS SMD 137 E1 094 * GURT

German

CAD Files

Customer View Model

ENG_CVM_CVM_474109-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_474109-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_474109-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.

Product Specifications

Application Specification

English

Application Specification

English