# 254707-E ✔ ACTIVE

ERNI | ERNI MaxiBridge

TE Internal #: 254707-E

PCB Mount Header, Vertical, Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold (Au), Surface Mount, ERNI MaxiBridge

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **6**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [ .1 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 | 6 |
| Number of Loaded Positions | 6 |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 6 |
| Number of Rows | 1 |
| PCB Mount Orientation | Vertical |

### 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 | 4.1 mm[.161 in] |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 14.8 A |
| PCB Contact Termination Area Plating Material | Tin |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Surface Mount |

## Mechanical Attachment

| | |
|---|---|
| Mating Retention Type | Latch |
| Mounting Alignment Feature Length | .75 mm[.029 in] |
| Mating Retention | With |
| Mating Alignment Type | Polarization |
| PCB Mount Alignment Type | Pegs |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | With |

## Housing Features

| | |
|---|---|
| Mating Entry Location | Top |
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Housing Material | Liquid Crystal Polymer (LCP) |

## Dimensions

| | |
|---|---|
| Connector Width | 7.2 mm[.283 in] |
| Connector Height | 9.4 mm[.37 in] |
| Profile Height from PCB | 9.4 mm[.37 in] |
| Connector Length | 21.7 mm[.854 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 | 320 |
| 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 294645-E
SRCP 2,54 2 M 1 SMD 137 E1 094 * GU-H *

TE Part # 284656-E
SRCP 2,54 3 M 1 SMD 137 E1 094 * GU-H *

TE Part # 335116-E
SRCBUG A 2,54 2 6 CSI 112 * K-AD B500 J

TE Part # 364240-E
SRCBUG A 2,54 2 6 CSI 112 E1 ADV J 2 324

TE Part # 294649-E
SRCP 2,54 8 M 1 SMD 137 E1 094 * GU-H *

TE Part # 254831-E
SRCP 2,54 5 M 1 SMD 137 E1 094 * GU-H *

TE Part # 474265-E
SRCBUG A 2,54 2-WH 6 CSI 112 E1 ADV J 2

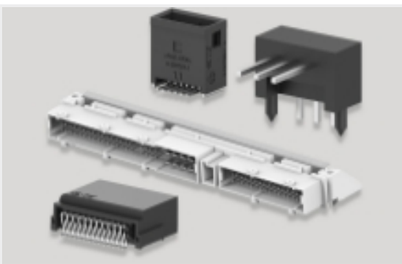
## Also in the Series | ERNI MaxiBridge

Connector Contacts(4)

Hand Crimping Tools(2)

High Speed I/O Cable Assemblies(6)

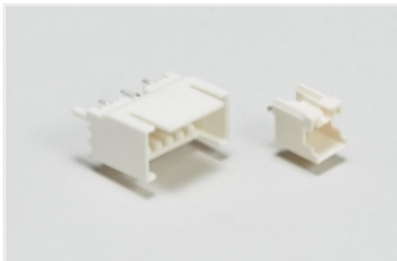
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(29)

Power Contacts(4)

Rectangular Power Connectors(47)



Wire-to-Board Headers & Receptacles (6)

## Customers Also Bought

TE Part #T4143012121-000
M12,FRONT MOUNT,FEMALE,A,12P, SOLDER PCB

TE Part #294283-E
DRCB 0,80 16 M SMD * 137 E009 196 GURT *

TE Part #284656-E
SRCP 2,54 3 M 1 SMD 137 E1 094 * GU-H *

TE Part #K1010987
Relay 26-73-04

TE Part #90683-1
PRO-CRIMPER ASSEMBLY

TE Part #2-178802-3
DYNAMICD3100 TAB HSG 3P PM Y-KE

TE Part #3-641119-6
06P MTA156 HDR ASSY FL/ST LF

TE Part #2-1879022-1
SMF3 2K2 5%

TE Part #1-1879417-7
CPF 0603 820K 0.1% 25PPM 1K RL

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

## Documents

### Product Drawings

SRCP 2,54 6 M 1 SMD 137 E1 094 * GU-H *

English

### CAD Files

Customer View Model

ENG_CVM_CVM_254707-E_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_254707-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_254707-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 MaxiBridge 2.54mm Connectors

German

Datasheet - ERNI MaxiBridge 2.54mm Connectors

English

## Product Specifications

MaxiBridge - Receptacle & Header

English