234478-E ✔ ACTIVE

ERNI | ERNI MiniBridge

TE Internal #: 234478-E

PCB Mount Header, Right Angle, Cable-to-Board, 12 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







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

Number of Positions: **12**

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	12
Number of Loaded Positions	12
Connector Contact Load Condition	Fully Loaded
Number of Positions	12
PCB Mount Orientation	Right Angle
Number of Rows	1

Electrical Characteristics

Insulation Resistance	10000 MΩ

Body Features

Primary Product Color	Black

Contact Features

Contact Mating Area Length	2.5 mm[.098 in]
PCB Contact Termination Area Plating Material Thickness	4 – 6 µm[157.48 – 236.22 µin]
Contact Layout	Inline
Contact Type	Pin
Contact Shape & Form	Rectangular
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Current Rating (Max)	3.6 A

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Length	20.32 mm[.8 in]
Connector Height	2.98 mm[.117 in]
Connector Width	7.2 mm[.283 in]

Profile Height from PCB	2.98 mm[.117 in]

Usage Conditions

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

Operation/Application

Assembly Process Feature	Pick and Place Cover
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>

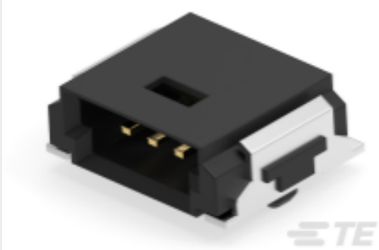
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 234450-E
SRCA 1,27 3 M 1 SMD 137 E1 094 * GURT *



TE Part # 234480-E
SRCP 1,27 12 F 1 I2426 137 E1 162 1,07 T



TE Part # 234486-E
SRCA 1,27 12 F 1 I2426 137 E1 094 1,07 T



TE Part # 464242-E
SRCP 1,27 12 F 1 IDC22 137 E1 162 1,27 T



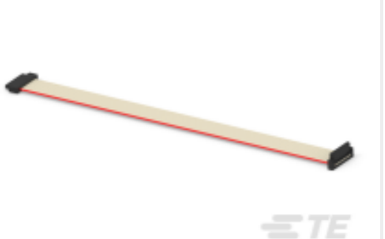
TE Part # 464262-E
SRCA 1,27 12 F 1 IDC22 137 E1 094 1,27 T



TE Part # 839166-E
IDCCS SRC 1,27 12 * SFX SFX 200 PVC



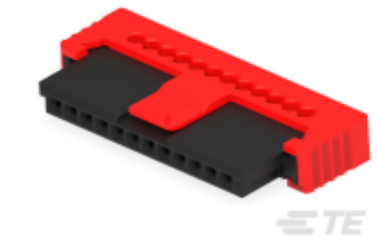
TE Part # 839167-E
IDCCS SRC 1,27 12 * SFX SFX 300 PVC



TE Part # 839178-E
IDCCS SRC 1,27 12 * SFX AFU 200 PVC



TE Part # 464259-E
SRCA 1,27 12 F 1 IDC22 137 E1 094 1,27 T



TE Part # 234479-E
SRCP 1,27 12 F 1 I2426 137 E1 162 1,07 T



TE Part # 234487-E
SRCA 1,27 12 F 1 I2426 137 E1 094 1,07 T

TE Part # 839177-E
IDCCS SRC 1,27 12 * SFX AFU 100 PVC

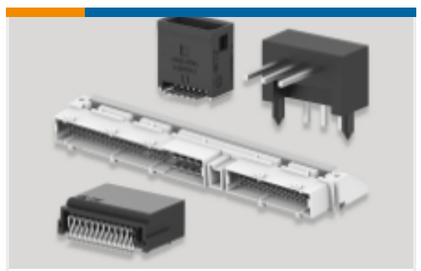


TE Part # 464243-E
SRCP 1,27 12 F 1 IDC22 137 E1 162 1,27 T

Also in the Series | ERNI MiniBridge



Connector Hardware(1)



PCB Headers & Receptacles(77)



Pluggable I/O Cable Assemblies(25)



Wire-to-Board Connector Assemblies & Housings(1)

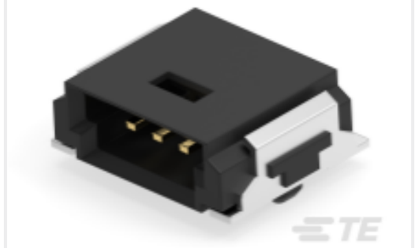
Customers Also Bought



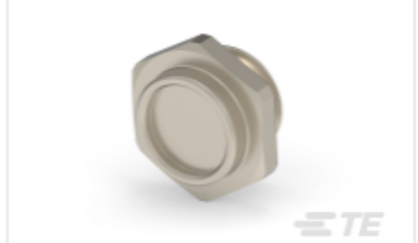
TE Part #224150-E
M8 FEMALE, A CODE, 3P, 16.25MM SMT



TE Part #224397-E
SRCA 1,27 2 F 1 I2426 137 E1 094 1,07 TR



TE Part #234450-E
SRCA 1,27 3 M 1 SMD 137 E1 094 * GURT *



TE Part #284067-E
M8 METAL SHELL, FEMALE, VERT, 13MM



TE Part #454828-E
M12 MALE, A CODE, 5P, 17MM SMT



TE Part #839178-E
IDCCS SRC 1,27 12 * SFX AFU 200 PVC



TE Part #234487-E
SRCA 1,27 12 F 1 I2426 137 E1 094 1,07 T

TE Part #284363-E
MRDEZT M12 GEH.TEIL ML DM 9,55 A=13MM *

TE Part #834898-E
SCH SCHE O-RING 10,0X1,0 NBR SCHWARZ M 1

TE Part #835283-E
SCH SCHE O-RING M5 5X0,8 SCHWARZ M 5,00

Documents

Product Drawings

SRCA 1,27 12 M 1 SMD 137 E1 094 * GURT *

English

CAD Files

Customer View Model

ENG_CVM_CVM_234478-E_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_234478-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_234478-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.