



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **12**

Number of Rows: **1**

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

Electrical Characteristics



Insulation Resistance	10000 MΩ
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Body Features

Primary Product Color	Black
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Contact Features

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

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

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

Housing Features

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

Dimensions

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



Profile Height from PCB	2.98 mm[.117 in]
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Connector Length	20.32 mm[.8 in]
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Usage Conditions

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

Assembly Process Feature	Pick and Place Cover
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Circuit Application	Power & Signal
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Industry Standards

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

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

For compliance documentation, visit the product page on [TE.com](#)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Not Yet Reviewed for halogen content
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Solder Process Capability	Not reviewed for solder process capability
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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

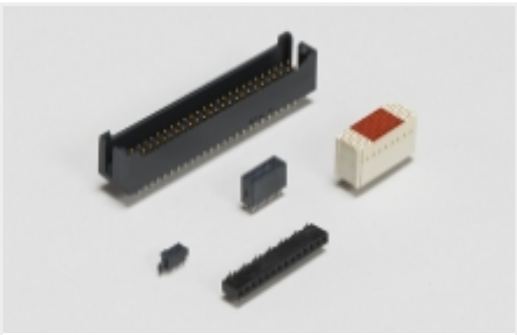


materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

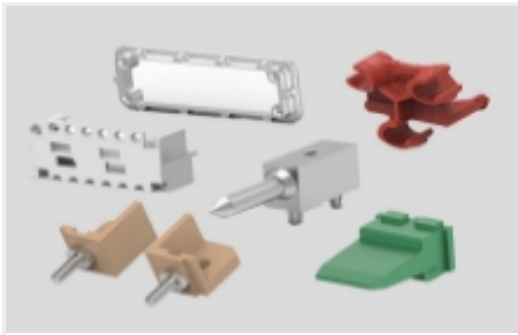
Compatible Parts

 TE Part # 839177-E IDCCS SRC 1,27 12 * SFX AFU 100 PVC	 TE Part # 839171-E IDCCS SRC 1,27 12 * AFU AFU 100 PVC	 TE Part # 234487-E SRCA 1,27 12 F 1 I2426 137 E1 094 1,07 T	 TE Part # 839178-E IDCCS SRC 1,27 12 * SFX AFU 200 PVC
 TE Part # 234480-E SRCP 1,27 12 F 1 I2426 137 E1 162 1,07 T	 TE Part # 839166-E IDCCS SRC 1,27 12 * SFX SFX 200 PVC	 TE Part # 464243-E SRCP 1,27 12 F 1 IDC22 137 E1 162 1,27 T	 TE Part # 839167-E IDCCS SRC 1,27 12 * SFX SFX 300 PVC
 TE Part # 234486-E SRCA 1,27 12 F 1 I2426 137 E1 094 1,07 T	 TE Part # 234479-E SRCP 1,27 12 F 1 I2426 137 E1 162 1,07 T	 TE Part # 464242-E SRCP 1,27 12 F 1 IDC22 137 E1 162 1,27 T	 TE Part # 234450-E SRCA 1,27 3 M 1 SMD 137 E1 094 * GURT *
 TE Part # 464259-E SRCA 1,27 12 F 1 IDC22 137 E1 094 1,27 T	 TE Part # 464262-E SRCA 1,27 12 F 1 IDC22 137 E1 094 1,27 T		

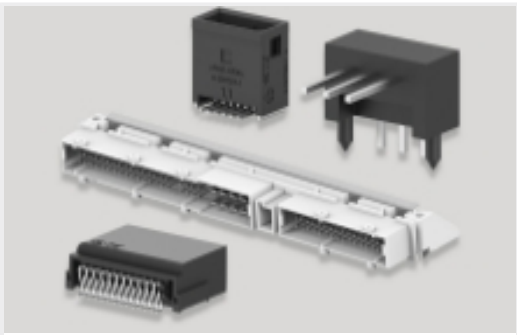
Also in the Series | ERNI MiniBridge



Board-to-Board Headers & Receptacles(1)



Connector Hardware(1)



PCB Headers & Receptacles(56)



Pluggable I/O Cable Assemblies(25)



Rectangular Power Connectors(56)



Wire-to-Board Connector Assemblies & Housings(16)

Customers Also Bought



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



TE Part #234464-E
SRCA 1,27 10 M 1 SMD 137 E1 094 * GURT *



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



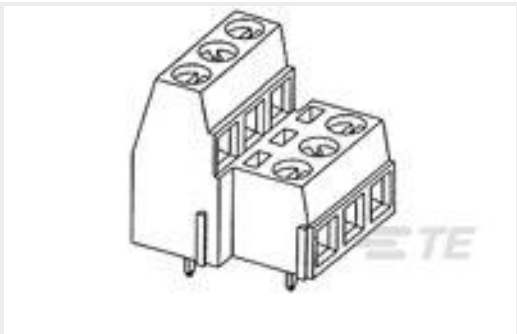
TE Part #5787686-1
37 PLUG SP/FMS (RET SL)



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



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



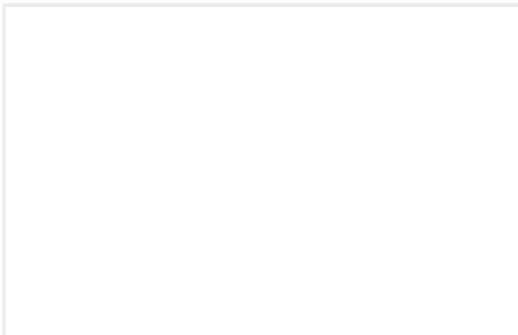
TE Part #1-796692-2
TERMI-BLOK PCB MOUNT 1&2 12P.5



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



TE Part #1-2176186-8
CRGH1206 1% 3K3 0.5W



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

Documents



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

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Product Specifications

Application Specification

English

Application Specification

English