



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Number of Columns	20
Number of Loaded Positions	40
Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Orthogonal, Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	40
Number of Rows	2



Electrical Characteristics

Insulation Resistance	100 MΩ
Contact Resistance	35 mΩ
Dielectric Withstanding Voltage (Max)	500 Vrms

Body Features

Primary Product Color	Black
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Contact Features

PCB Contact Termination Area Plating Material Thickness	4 – 6 μm[157.48 – 236.22 μin]
Contact Layout	Matrix
Contact Mating Area Length	3.1 mm[.122 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)	2.3 A

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

Mounting Alignment Feature Length	.7 mm[.027 in]
Mating Retention	With
Mating Alignment Type	Blindmate, Polarization
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	LCP
Centerline (Pitch)	.8 mm[.031 in]

Dimensions

Row-to-Row Spacing	1.25 mm[.049 in]
Connector Height	13.8 mm[.543 in]



Connector Length	20.2 mm[.795 in]
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Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

Packaging Method	Tape & Reel
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Product Compliance

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

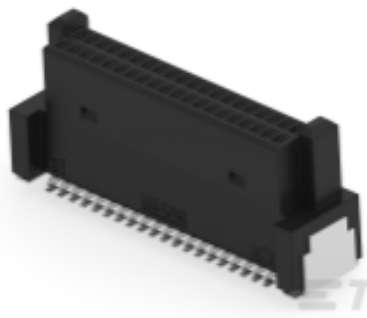
EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

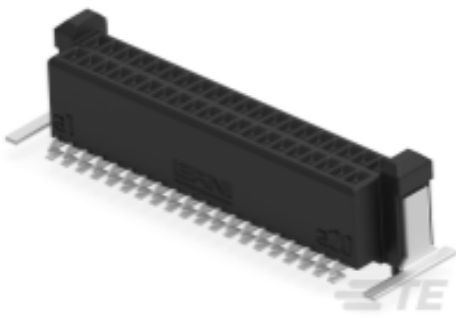
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.



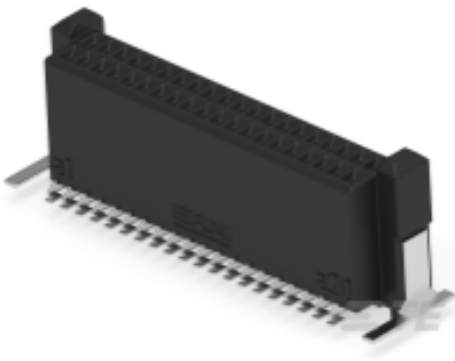
Compatible Parts



TE Part # 294029-E
DRCB 0,80 40 F SMD F8 137 E009 094
GU-H

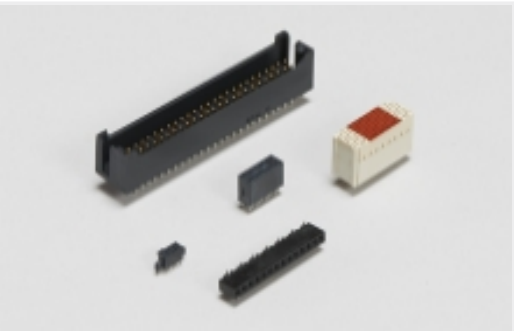


TE Part # 294005-E
DRCB 0,80 40 F SMD F4 137 E009 094
GU-H

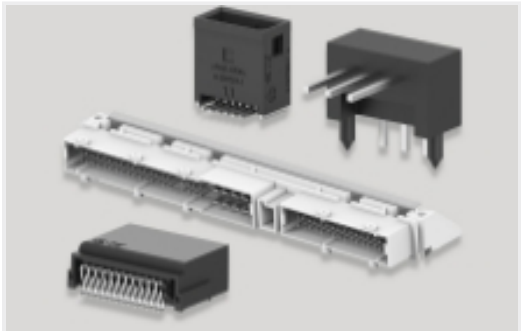


TE Part # 294017-E
DRCB 0,80 40 F SMD F6 137 E009 094
GU-H

Also in the Series | ERNI MicroCon



Board-to-Board Headers & Receptacles(44)

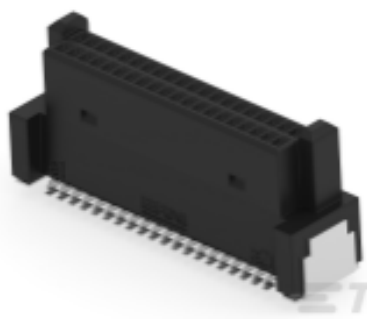


PCB Headers & Receptacles(44)



Rectangular Power Connectors(44)

Customers Also Bought



TE Part #294029-E
DRCB 0,80 40 F SMD F8 137 E009 094
GU-H



TE Part #535043-4
096 EURO TYPE C RECEPT ST ASSY



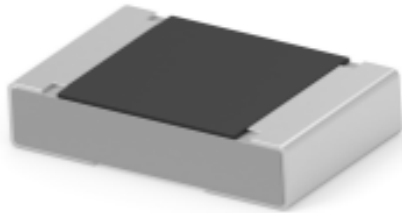
TE Part #3-1445057-0
MICRO MNL HDR ASSY SINGLE ROW



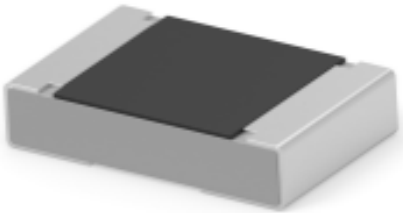
TE Part #2-1622825-1
RL73K 3A R39 5% 1K RL



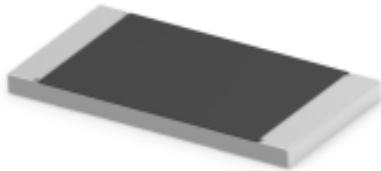
TE Part #2118903-1
LTE/Cell Band Antenna



TE Part #4-2176529-6
3504G 3A 150R 1% 1K RL



TE Part #9-2176529-7
3504G 3A 511R 1% 1K RL



TE Part #2-2176530-7
3504G 3A 1K02 1% 1K RL



TE Part #1-2348455-2
DYNAMIC 1200D HDR ASSY H 4P X
BLACK TIN



TE Part #5414946-2
PLUG, CBL, STR, SMB, PB FREE

Documents

Product Drawings

DRCQ 0,80 40 M * SMD M10 137 E009 176 GU

German

CAD Files

Customer View Model

ENG_CVM_CVM_484618-E_B1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_484618-E_B1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_484618-E_B1.3d_stp.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

ERNI MicroCon Connector

English

ERNI MicroCon 0.8 mm Connectors

German

ERNI MicroCon 0.8 mm Connectors

English