



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **16**

Number of Rows: **2**

Centerline (Pitch): **.8 mm [.031 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
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	8
Number of Loaded Positions	16
Connector Contact Load Condition	Fully Loaded
Number of Positions	16
Number of Rows	2
PCB Mount Orientation	Right Angle
Board-to-Board Configuration	Co-Planar, Perpendicular

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 Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	2.33 A
PCB Contact Termination Area Plating Material	Tin

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
PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Blindmate, Polarization
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

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

Dimensions

Connector Height	4.4 mm[.173 in]
Connector Length	10.6 mm[.417 in]
Row-to-Row Spacing	1.25 mm[.049 in]

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>

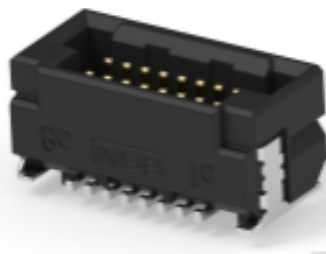
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: FEB 2026 (253) Candidate List Declared Against: 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

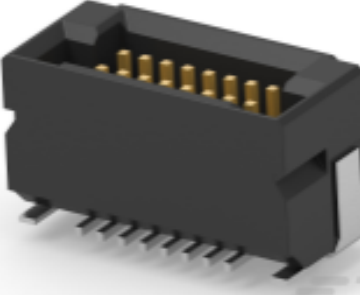




TE Part # 454927-E
DRCQ 0,80 16 M 2 SMD M1 137 E009 176 GU-

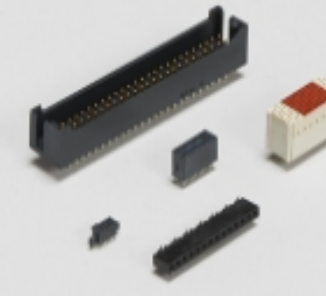


TE Part # 294283-E
DRCB 0,80 16 M SMD * 137 E009 196 GURT *

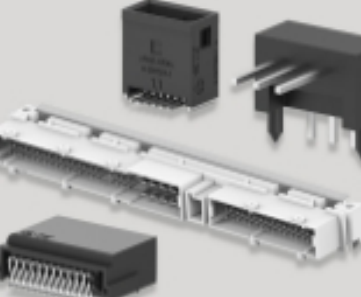


TE Part # 454928-E
DRCQ 0,80 16 M 2 SMD M2 137 E009 176 GU-

Also in the Series | ERNI MicroCon



Board-to-Board Headers & Receptacles(44)

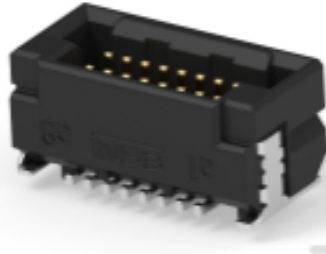


PCB Headers & Receptacles(44)

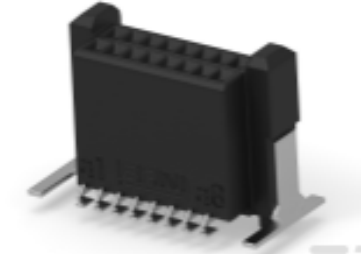


Rectangular Power Connectors(44)

Customers Also Bought



TE Part #454927-E
DRCQ 0,80 16 M 2 SMD M1 137 E009 176 GU-



TE Part #454925-E
DRCB 0,80 16 F SMD F6 137 E009 094 GU-H



TE Part #800336-SF
FN284-2-06



TE Part #ANT-868-CW-RCS-SMA
Antenna 1/4 Wave R-Angle 868MHz SMA



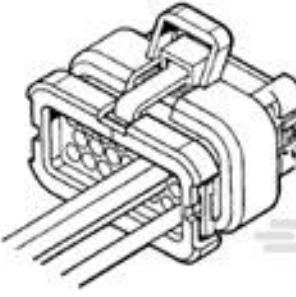
TE Part #1062-20-0144-PS
SOC, SF, SIZE 20, 16-22, AU/SN, 100 PC



TE Part #206838-3
CPC RECPT SEALED SIZE 23-24



TE Part #776262-4
14POS,PIN DIA 1.3,HDR ASSY, 180DEG,COD 4



TE Part #776273-4
14POS,AMPSEAL,SOC HSG ASSY,SLD, COD 4



TE Part #6-2271110-2
M12, MALE, A CODE, 12P, PG9 (AU)



TE Part #5227426-1
BNC BLKHD RECPT SEALED



Documents

Product Drawings

DRCQ 0,80 16 F * SMD * 137 E009 094 GURT

German

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_294252-E_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_294252-E_D.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_294252-E_D.3d_igs.zip

English

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