



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **16**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Stacking Configuration	Stack Through
Connector Contact Load Condition	Fully Loaded
Board-to-Board Configuration	Orthogonal, Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	16
Number of Rows	2



Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Contact Shape & Form	Rectangular
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)	2.33 A

Termination Features

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

Mechanical Attachment

Mounting Alignment Feature Length	.7 mm[.027 in]
Mating Alignment Type	Blindmate
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Housing Material	LCP
Centerline (Pitch)	.8 mm[.031 in]

Dimensions

Row-to-Row Spacing	1.25 mm[.049 in]
Stack Height	1 mm
Connector Width	5 mm
Connector Height	4.8 mm
Connector Length	10.6 mm



Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

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

Packaging Features

Packaging Method	Tape & Reel
------------------	-------------

Product Compliance

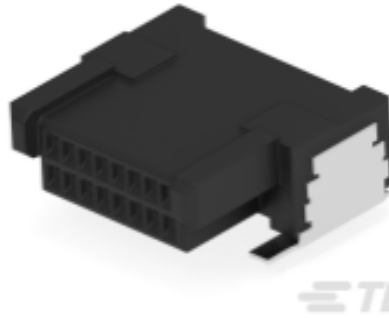
For compliance documentation, visit the product page on TE.com>

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: JAN 2025 (247) 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

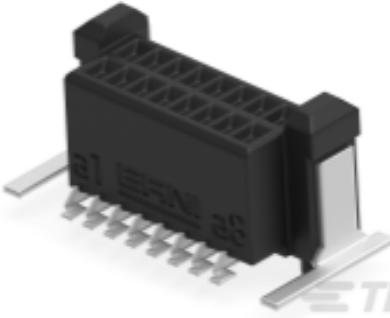
Product Compliance Disclaimer

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



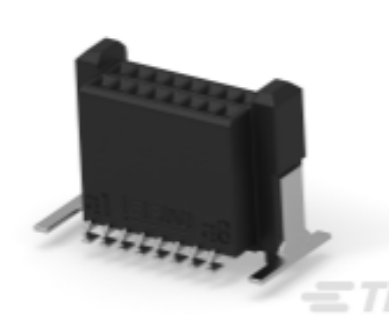
TE Part # 294252-E
DRCQ 0,80 16 F * SMD * 137 E009 094 GURT



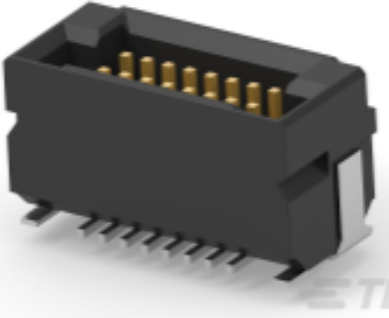
TE Part # 294001-E
DRCB 0,80 16 F SMD F4 137 E009 094 GU-H



TE Part # 454926-E
DRCB 0,80 16 F SMD F8 137 E009 094 GU-H

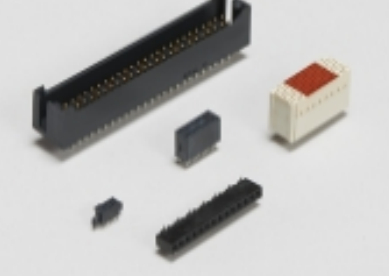


TE Part # 454925-E
DRCB 0,80 16 F SMD F6 137 E009 094 GU-H

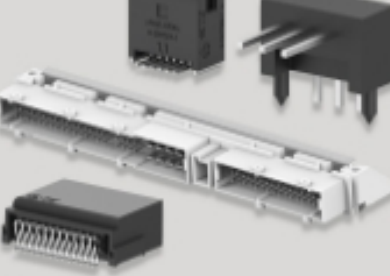


TE Part # 454928-E
DRCQ 0,80 16 M 2 SMD M2 137 E009 176 GU-

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 #235255-E
M08 F 4 A L90H T * 301 * 094 * Y * VDS H



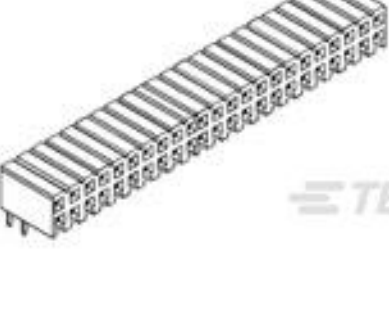
TE Part #454926-E
DRCB 0,80 16 F SMD F8 137 E009 094 GU-H



TE Part #640389-2
02P MTA156 HDR ASSY SQ R/A F/L



TE Part #1415900-7
RT31C024



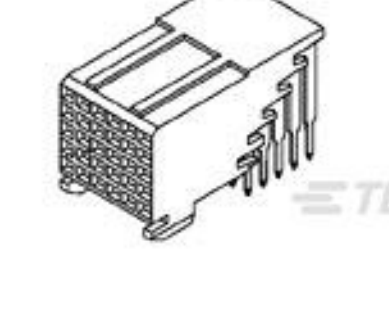
TE Part #1-1734531-4
RCPT,2MM,14P,R ANG MT,8AU,3.ST



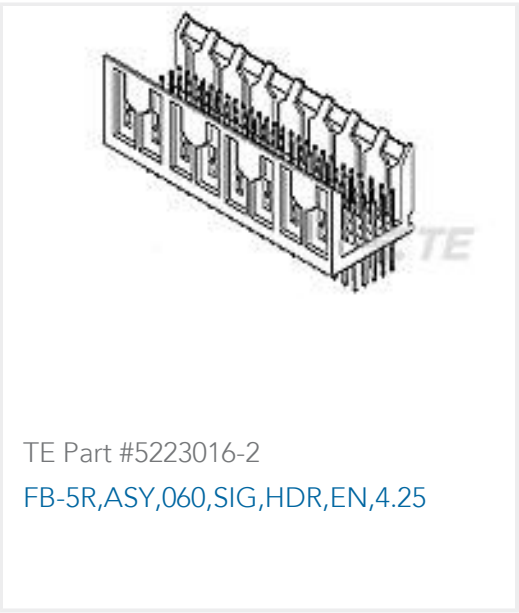
TE Part #810651-SF
FS5864-16-45



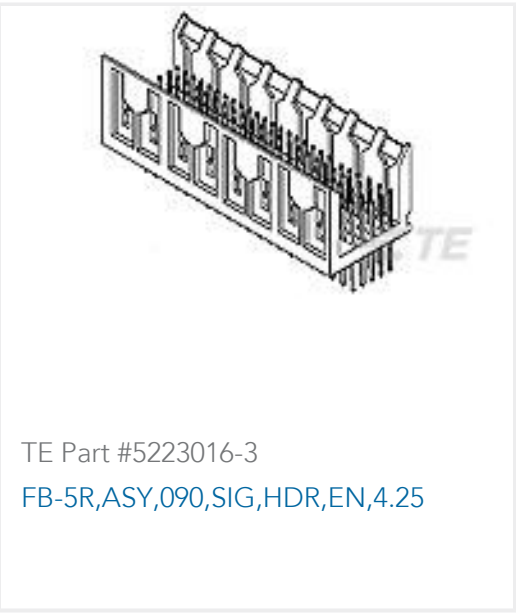
TE Part #2205484-1
CA MICRO-MATCH MOW-PB 8POS



TE Part #5223008-3
FB-5R,ASY,090,SIG,REC,EN,3.55



TE Part #5223016-2
FB-5R,ASY,060,SIG,HDR,EN,4.25



TE Part #5223016-3
FB-5R,ASY,090,SIG,HDR,EN,4.25

Documents

Product Drawings

DRCQ 0,80 16 M 2 SMD M1 137 E009 176 GU-

German

CAD Files

Customer View Model

ENG_CVM_CVM_454927-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_454927-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_454927-E_1.3d_igs.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