



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **50**

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	50
Number of Rows	2



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	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)	1.68 A

Termination Features

Termination Method to PCB	Surface Mount
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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	2 mm
Connector Width	5 mm
Connector Height	5.8 mm
Connector Length	24.2 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
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Industry Standards

Compatible With Agency/Standards Products	DIN, 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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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



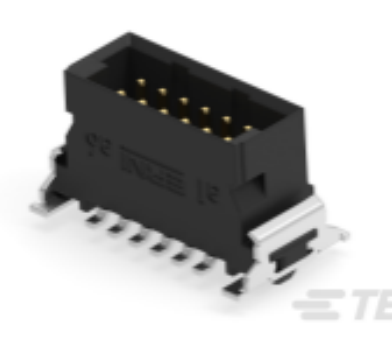
TE Part # 845003-E MicroCon 0.80_50_AU_AUI_300_PVC	TE Part # 845007-E MicroCon 0.80_50_AU_AUI_80_PVC	TE Part # 845011-E MicroCon 0.80_50_AU_NC_400_PVC	TE Part # 845010-E MicroCon 0.80_50_AU_ADI_200_PVC
TE Part # 845001-E MicroCon 0.80_50_AU_AUI_100_PVC	TE Part # 294006-E DRCB 0,80 50 F SMD F4 137 E009 094 GU-H	TE Part # 294142-E DRCQ 0,80 100 M 2 SMD M1 137 E009 176 GU	TE Part # 294257-E DRCQ 0,80 50 F * SMD * 137 E009 094 GURT
TE Part # 845009-E MicroCon 0.80_50_AU_AUI_50_PVC	TE Part # 294141-E DRCQ 0,80 80 M 2 SMD M1 137 E009 176 GU-	TE Part # 294148-E DRCQ 0,80 26 M 2 SMD M2 137 E009 176 GU-	TE Part # 845002-E MicroCon 0.80_50_AU_AUI_200_PVC
TE Part # 845006-E MicroCon 0.80_50_AU_AUI_150_PVC	TE Part # 294152-E DRCQ 0,80 68 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)
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Customers Also Bought





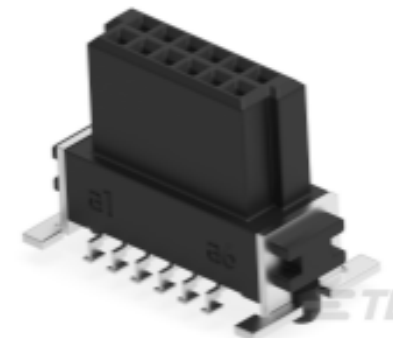
TE Part #244836-E

SMCQ 12 M AB VV 8-13 CL * H007 137 E005



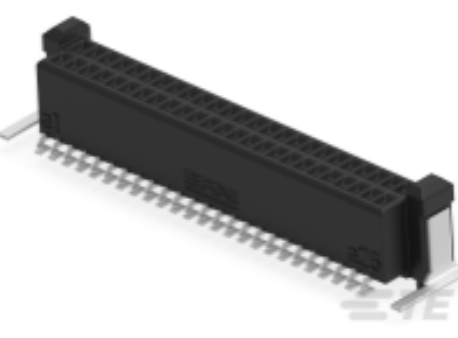
TE Part #154764-E

SMCB 26 M AB VV 7-03 CL * 0007 137 E004



TE Part #154717-E

SMCB 12 F AB VV 7-03 CL * H007 137 E002



TE Part #294006-E

DRCB 0,80 50 F SMD F4 137 E009 094 GU-H



TE Part #214012-E

SRCA 1,27 4 M 1 SMD 137 E1 094 * GURT *



TE Part #8-1622826-9

CRG0402 1% 27R



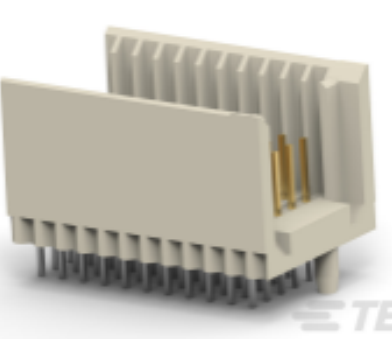
TE Part #4-1879213-2

CPF 0402 69R8 0.1% 25PPM 1K RL



TE Part #2176216-4

CPF A 0603 20R 0.1% 25PPM 1K RL



TE Part #CAT-472-Z12

Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_294151-E_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_294151-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_294151-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