



Connectors > PCB Connectors > Board-In Connectors



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **12**

Centerline (Pitch): **1.27 mm [.05 in]**

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	12
Compatible With Wire & Cable Type	Ribbon Cable
Number of Rows	2

Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Matrix
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin



Contact Current Rating (Max)	1.8 A
Termination Features	
Termination Method to PCB	Surface Mount
Mechanical Attachment	
PCB Mount Alignment Type	Guide Pin
PCB Mount Alignment	With
PCB Mount Retention	Without
Housing Features	
Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	Liquid Crystal Polymer (LCP)
Dimensions	
Row-to-Row Spacing	2.15 mm
Connector Height	5 mm
Connector Length	14.7 mm
Usage Conditions	
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	600
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	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 2025 (250)

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 # 244629-E
SMCIDC 26 KV AB VV 7-01 CL * H007
717 PO

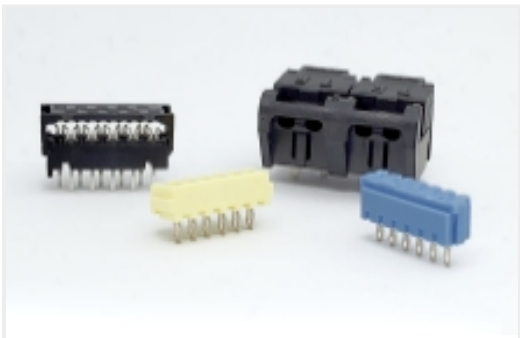


TE Part # 244630-E
SMCIDC 50 KV AB VV 7-01 CL * H007
717 PO

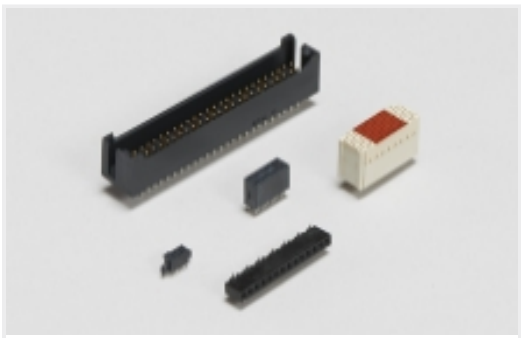


TE Part # 244631-E
SMCEZT FLKF 7-01 12POL IDC
FLACHBANDKABE

Also in the Series | ERNI SMC



Board-In Connectors(6)



Board-to-Board Headers & Receptacles(79)



Pluggable I/O Cable Assemblies(27)



Rectangular Power Connectors(84)



Standard Rectangular Connectors(5)



Wire-to-Board Connector Assemblies & Housings(5)

Customers Also Bought



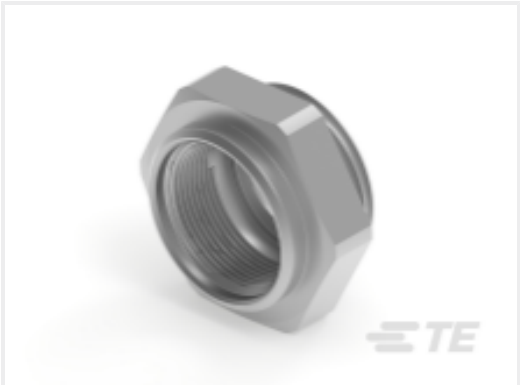
TE Part #144662-E
MSPEED 50 F SMD F4 * AB VV 137 094
* * E



TE Part #454950-E
M12 FEMALE, A CODE, 5P, 17MM
SMT



TE Part #254538-E
SMCQ 32 M AB VV 8-03 CL * H007 137
E005



TE Part #394828-E
M12 METAL SHELL, FEMALE, VERT,
9MM, C6A



TE Part #244629-E
SMCIDC 26 KV AB VV 7-01 CL * H007
717 PO



TE Part #484924-E
M12 MALE, A CODE, 5P, 10.5MM SMT



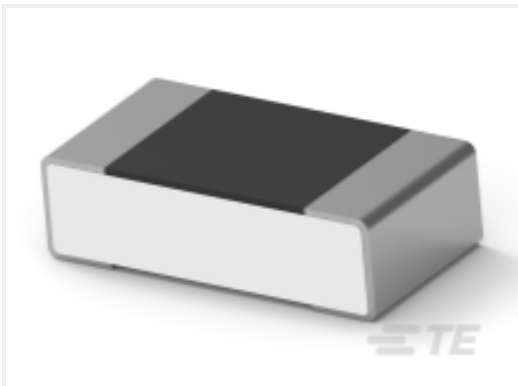
TE Part #234040-E
M12 FEMALE, D CODE, 4P, 17MM
SMT



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



TE Part #1-2176092-6
RP 2A 0.25W 953R 0.1% 25PPM 1K RL



TE Part #4-2176366-6
RQ 0603 1K27 0.1% 10PPM 1K RL

Documents

Product Drawings

SMCIDC 12 KV AB VV 7-01 CL * H007 717 PO

German

CAD Files

Customer View Model

ENG_CVM_CVM_244628-E_1.3d_igs.zip

English

Customer View Model



[ENG_CVM_CVM_244628-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_244628-E_1.2d_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages

[Datasheet - ERNI SMC 1.27mm Connectors](#)

English

Product Specifications

[Product Specification](#)

English