

ERNI | ERNI SMC

TE Internal #: 354080-E

PCB Mount Receptacle, Right Angle, Board-to-Board, 32 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold (Au), Surface

Mount, ERNI SMC

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Connectors > PCB Connectors > PCB Headers & Receptacles











PCB Connector Assembly Type: PCB Mount Receptacle

PCB Mount Orientation: Right Angle
Connector System: Board-to-Board

Number of Positions: 32

Number of Rows: 2

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Columns	16
Number of Loaded Positions	32
Stackable	No
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	32
Number of Rows	2
Board-to-Board Configuration	Co-Planar, Orthogonal



Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 Vrms
Body Features	
Connector Profile	Standard
Primary Product Color	Black
Contact Features	
PCB Contact Termination Area Plating Material Thickness	4 – 6 μm[157.48 – 236.22 μin]
Contact Layout	Matrix
Contact Shape & Form	Dual Beam
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	1.7 A
Termination Features	
Termination Method to Printed Circuit Board	Surface Mount
Mechanical Attachment	
Mounting Alignment Feature Length	.75 mm[.029 in]
PCB Mount Alignment Type	Locating Posts
PCB Mount Retention Type	Location Peg
Mating Alignment	With
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Housing Features	
Mating Entry Location	Side
Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	LCP
Dimensions	
Connector Length	25.4 mm[1 in]
Connector Height	3.85 mm[.151 in]



Connector Width	9.6 mm[.378 in]
Profile Height from PCB	3.85 mm[.151 in]
Row-to-Row Spacing	1.27 mm[.05 in]
Usage Conditions	
Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Shielded	No
Circuit Application	Power & Signal
Industry Standards	
Agency/Standard	DIN, UL
Approved Standards	UL
Industry Standard	IEC
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Reel Diameter	330 mm[12.99 in]
Packaging Quantity	560

Product Compliance

Packaging Type

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: JUNE 2023 (235) 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

Tape & Reel

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





E005

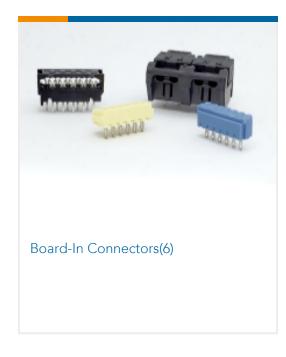








Also in the Series | ERNI SMC





Customers Also Bought





TE Part #4-1904065-7 V23720A0002A001-EV-CBOX



TE Part #214049-E

SRCA 1,27 4 F 1 I2426 137 E1 094 1,07





TE Part #244854-E SMCQ 12 M AB VV 8-03 CL * H007 137 E005



TE Part #284698-E SRCP 1,27 6 M 1 SMD 137 E1 094 * GU-



ODV 9



TE Part #5-2327650-9 HVP800 HDR COD A PIGTAIL CABLE **ASSY**

TE Part #133936-E

Documents

Product Drawings

SMCQ 32 F AB VV 7-03 CL * 0007 137 E002

English

CAD Files

Customer View Model

ENG_CVM_CVM_354080-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_354080-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_354080-E_1.3d_igs.zip

English

3D PDF

3D

Datasheets & Catalog Pages



Datasheet - ERNI SMC 1.27mm Connectors

Datasheet - ERNI SMC 1.27mm Connectors

English

Datasheet - ERNI SMC 1.27mm Connectors

German