

## ERNI | ERNI SMC

TE Internal #: 254538-E

PCB Mount Header, Vertical, Board-to-Board, 32 Position, 1.27 mm [.05 in] Centerline, Fully Shrouded, Gold (Au), Surface Mount, ERNI SMC

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PCB Connector Assembly Type: PCB Mount Header

PCB Mount Orientation: Vertical
Connector System: Board-to-Board

Number of Positions: 32

Number of Rows: 2

## **Features**

## **Product Type Features**

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

## **Configuration Features**

Stacking Configuration	Stack Through
Number of Columns	16
Number of Loaded Positions	32
Stackable	Yes
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	32
Number of Rows	2



Board-to-Board Configuration	Parallel
Electrical Characteristics	
Dielectric Withstanding Voltage (Max)	500 Vrms
	300 VIIII3
Body Features	
Connector Profile	Standard
Primary Product Color	Black
Contact Features	
Contact Mating Area Length	4 mm[.157 in]
PCB Contact Termination Area Plating Material Thickness	4 – 6 μm[157.48 – 236.22 μin]
Contact Layout	Matrix
Contact Shape & Form	Rectangular
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
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	Тор
Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	LCP
Dimensions	



Connector Length	25.4 mm[1 in]
Connector Height	8.25 mm[.325 in]
Connector Width	7.2 mm[.283 in]
Profile Height from PCB	8.25 mm[.325 in]
Row-to-Row Spacing	1.27 mm[.05 in]
Stack Height	3.25 mm[.128 in]
Usage Conditions	
Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Shielded	N.L.
Silleided	No
Circuit Application	Power & Signal
Circuit Application	
Circuit Application  Industry Standards	Power & Signal
Circuit Application  Industry Standards  Agency/Standard	Power & Signal  DIN, UL
Circuit Application  Industry Standards  Agency/Standard  Approved Standards	Power & Signal  DIN, UL  UL
Circuit Application  Industry Standards  Agency/Standard  Approved Standards  Industry Standard	Power & Signal  DIN, UL  UL  IEC
Circuit Application  Industry Standards  Agency/Standard  Approved Standards  Industry Standard  UL Flammability Rating	Power & Signal  DIN, UL  UL  IEC
Circuit Application  Industry Standards  Agency/Standard  Approved Standards  Industry Standard  UL Flammability Rating  Packaging Features	Power & Signal  DIN, UL  UL  IEC  UL 94V-0

# **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



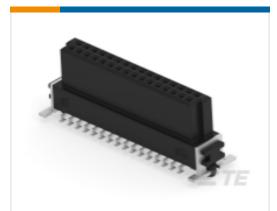
#### Product Compliance Disclaimer

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



TE Part # 354057-E SMCB 32 F AB VV 7-13 CL \* H007 137 E002



TE Part # 354064-E SMCB 32 F AB VV 7-03 CL \* H007 137 E002



TE Part # 354072-E SMCB 32 F AB VV 7-23 CL \* H007 137 E002



TE Part # 354080-E SMCQ 32 F AB VV 7-03 CL \* 0007 137 E002



TE Part # 168327-E IDCCS SMC 1,27 32 \* AU AUI 100 PVC



## Also in the Series | ERNI SMC





# Customers Also Bought





TE Part #2102061-1 Mezalok, Socket, 114 p, 10 mm, 50 Au, TI



TE Part #1734261-5 1.25 WTB, HDR, SMT, RA, 5P



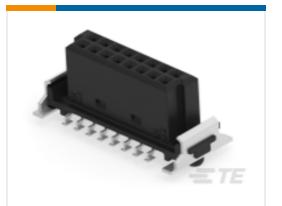
TE Part #154809-E SMCB 80 F AB VV 7-13 CL \* H007 137 E002



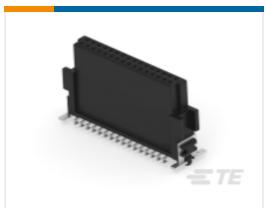
TE Part #234199-E SMCB 50 F AB VV 7-23 CL \* H007 137 E002



TE Part #254536-E SMCQ 16 M AB VV 8-03 CL \* H007 137 E005



TE Part #354055-E SMCB 16 F AB VV 7-13 CL \* H007 137 E002



TE Part #354072-E SMCB 32 F AB VV 7-23 CL \* H007 137 E002



TE Part #524491-E MCBP 14 F 2 035 137 \* 197 1,27 TRAY VR2

## **Documents**

## **Product Drawings**

SMCQ 32 M AB VV 8-03 CL \* H007 137 E005

English

### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_254538-E\_1.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_254538-E\_1.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_254538-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

Datasheet - ERNI SMC 1.27mm Connectors

English

Datasheet - ERNI SMC 1.27mm Connectors

German