# 354057-E ✔ ACTIVE

ERNI | ERNI SMC

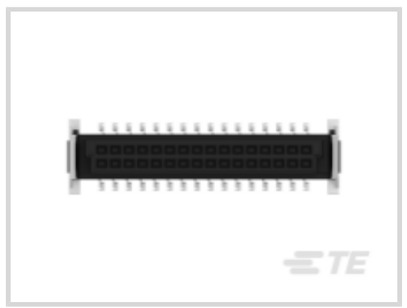
TE Internal #: 354057-E

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

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **32**

Number of Rows: **2**

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

## Features

### Product Type Features

| | |
|---|---|
| Connector Shape | Rectangular |
| PCB Connector Type | PCB Mount Receptacle |
| 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

| | |
|---|---|
| Number of Columns | 16 |
| Number of Loaded Positions | 32 |
| Stacking Configuration | Stack Through |
| Connector Contact Load Condition | Fully Loaded |
| Stackable | Yes |
| Number of Positions | 32 |

| | |
|---|---|
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |
| Board-to-Board Configuration | Parallel |

## Body Features

| | |
|---|---|
| Connector Profile | Low |
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 4 – 6 µm[157.48 – 236.22 µin] |
| Contact Shape & Form | Dual Beam |
| Contact Layout | Matrix |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Socket |
| Contact Current Rating (Max) | 1.7 A |
| PCB Contact Termination Area Plating Material | Tin |

## Termination Features

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

## Mechanical Attachment

| | |
|---|---|
| Mounting Alignment Feature Length | .75 mm[.029 in] |
| PCB Mount Retention Type | Location Peg |
| PCB Mount Alignment Type | Locating Posts |
| Mating Alignment Type | Polarization |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | With |

## Housing Features

| | |
|---|---|
| Mating Entry Location | Top |
| Centerline (Pitch) | 1.27 mm[.05 in] |
| Housing Material | Liquid Crystal Polymer (LCP) |

## Dimensions

| | |
|---|---|
| Connector Width | 7 mm[.276 in] |

| | |
|---|---|
| Connector Height | 6.25 mm[.246 in] |
| Profile Height from PCB | 6.25 mm[.246 in] |
| Connector Length | 25.4 mm[1 in] |
| Row-to-Row Spacing | 1.27 mm[.05 in] |
| Stack Height | 6.25 mm[.246 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

| | |
|---|---|
| Compatible With Agency/Standards Products | DIN, UL |
| Industry Standard | IEC |
| Compatible With Approved Standards Products | UL |
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Reel Diameter | 330 mm[12.99 in] |
| Packaging Quantity | 280 |
| 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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |

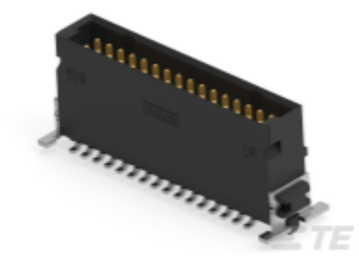
Solder Process Capability

Not reviewed for solder process capability

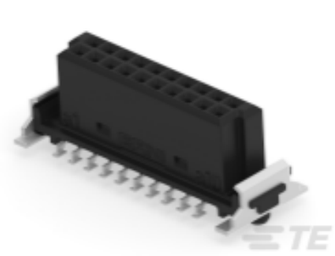
Product Compliance Disclaimer

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

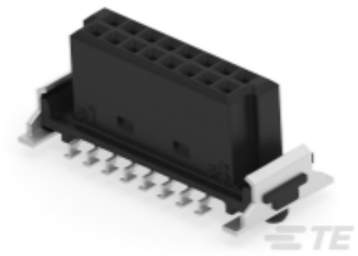
## Compatible Parts



TE Part # 254416-E
SMCQ 32 M AB VV 8-23 CL * H007 137 E005



TE Part # 354056-E
SMCB 20 F AB VV 7-13 CL * H007 137 E002



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



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

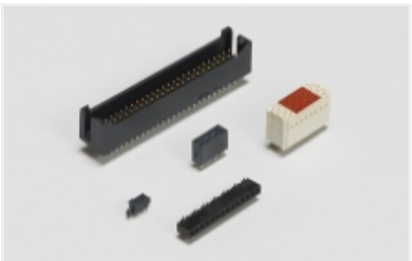


TE Part # 254589-E
SMCQ 32 M AB VV 8-13 CL * H007 137 E005



TE Part # 354096-E
SMCB 32 M AB VV 7-03 CL * 0007 137 E004

## Also in the Series | ERNI SMC



Board-to-Board Headers & Receptacles(79)



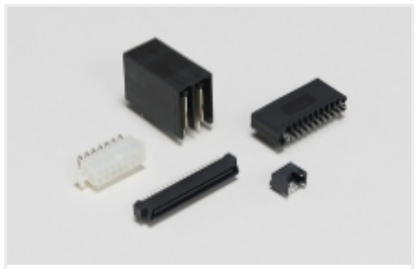
High Speed I/O Cable Assemblies(27)



Pluggable I/O Cable Assemblies(27)



Rectangular Power Connectors(84)



Standard Rectangular Connectors(5)



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

## Customers Also Bought



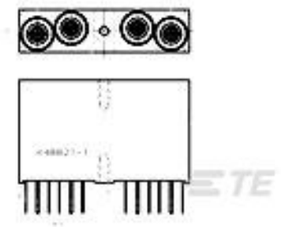
TE Part #254416-E
SMCQ 32 M AB VV 8-23 CL * H007 137 E005



TE Part #354096-E
SMCB 32 M AB VV 7-03 CL * 0007 137 E004



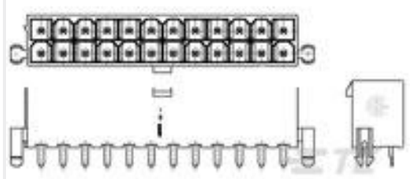
TE Part #350732-4
06P UMNL PIN HDR ASSY 94VO LF



TE Part #448821-1
KIT,TWINAX BOARD MOUNT 4 POS



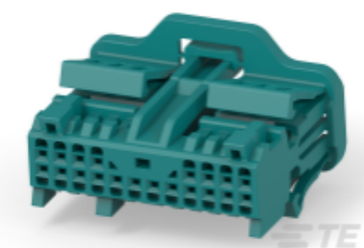
TE Part #1241150-5
5P MOD II BREAK AWAY HDR , SMD, BLISTER



TE Part #2-1586040-4
24P VAL-U-LOK VRT HDR W/P V0



TE Part #2303088-1
32POS,NANOMQS,REC HSG,UNSLD, COD NEUT



TE Part #2365086-1
20POS,NANOMQS,REC HSG,UNSLD, COD A,FPC



TE Part #394897-E
SRCA 1,27 4 F 1 IDC22 137 E1 094 1,27 TR



TE Part #054595-E
SMCB 26 M AB VV 3-03 CLHD * 0007 137 E00

## Documents

### Product Drawings

SMCB 32 F AB VV 7-13 CL * H007 137 E002

German

### CAD Files

Customer View Model

ENG_CVM_CVM_354057-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_354057-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_354057-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

Datasheet - ERNI SMC 1.27mm Connectors

English

Datasheet - ERNI SMC 1.27mm Connectors

German