354095-E ✔ ACTIVE

ERNI | ERNI SMC

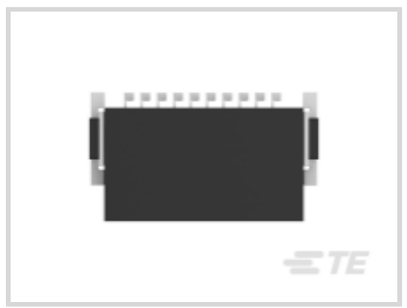
TE Internal #: 354095-E

PCB Mount Header, Right Angle, Board-to-Board, 20 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 Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **20**

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

Number of Columns	10
Number of Loaded Positions	20
Stackable	No
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Right Angle
Number of Positions	20
Number of Rows	2
Board-to-Board Configuration	Perpendicular

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	Rectangular
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Tab
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	17.78 mm[.7 in]
Connector Height	4.25 mm[.167 in]
Connector Width	10 mm[.394 in]
Profile Height from PCB	4.25 mm[.167 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
Packaging Type	Tape & Reel

Product Compliance

For compliance documentation, visit the product page on TE.com>

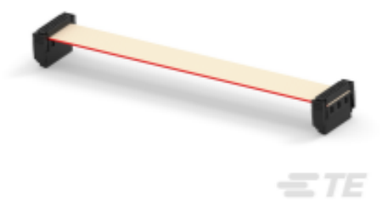
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

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

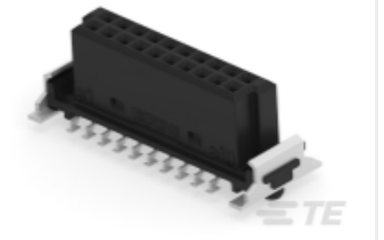
Compatible Parts



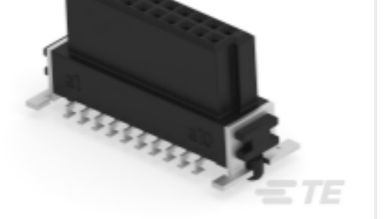
TE Part # 168312-E
IDCCS SMC 1,27 20 * AU AUI 100 PVC



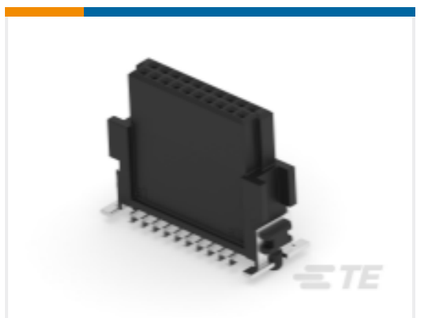
TE Part # 168315-E
IDCCS SMC 1,27 20 * AU AUI 300 PVC



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



TE Part # 354063-E
SMCB 20 F AB VV 7-03 CL * H007 137 E002



TE Part # 354071-E
SMCB 20 F AB VV 7-23 CL * H007 137 E002



TE Part # 354079-E
SMCQ 20 F AB VV 7-03 CL * 0007 137 E002



TE Part # 354094-E
SMCB 16 M AB VV 7-03 CL * 0007 137 E004



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

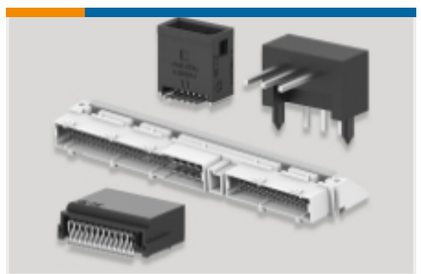


TE Part # 354097-E
SMCB 40 M AB VV 7-03 CL * 0007 137 E004

Also in the Series | ERNI SMC



Board-In Connectors(6)



PCB Headers & Receptacles(81)

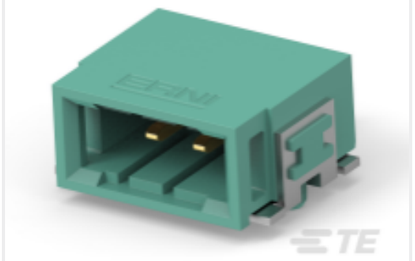
Customers Also Bought



TE Part #2236454-1
High-Voltage Header



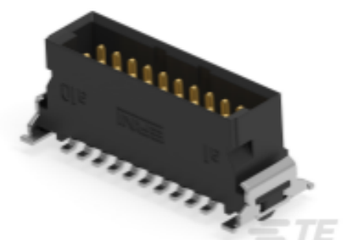
TE Part #1-1719102-1
PCB CONTACTS



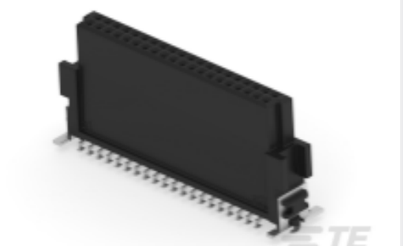
TE Part #234834-E
SRCA 2,54 2 M 1 SMD 137 E1 167 * GURT *



TE Part #254417-E
SMCQ 40 M AB VV 8-23 CL * H007 137 E005



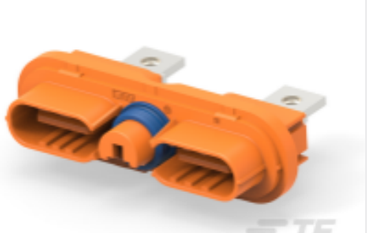
TE Part #254588-E
SMCQ 20 M AB VV 8-13 CL * H007 137 E005



TE Part #354073-E
SMCB 40 F AB VV 7-23 CL * H007 137 E002



TE Part #374317-E
DRCB 2,54 20 M SMD * 137 E012 094 GURT *



TE Part #4-2331712-1
2POS,PCON21,HDR ASSY,COD A

Documents

Product Drawings

SMCB 20 M AB VV 7-03 CL * 0007 137 E004

English

CAD Files

Customer View Model

ENG_CVM_CVM_354095-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_354095-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_354095-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

Datasheet - ERNI SMC 1.27mm Connectors

English

Datasheet - ERNI SMC 1.27mm Connectors

German