

515807-E ✓ ACTIVE

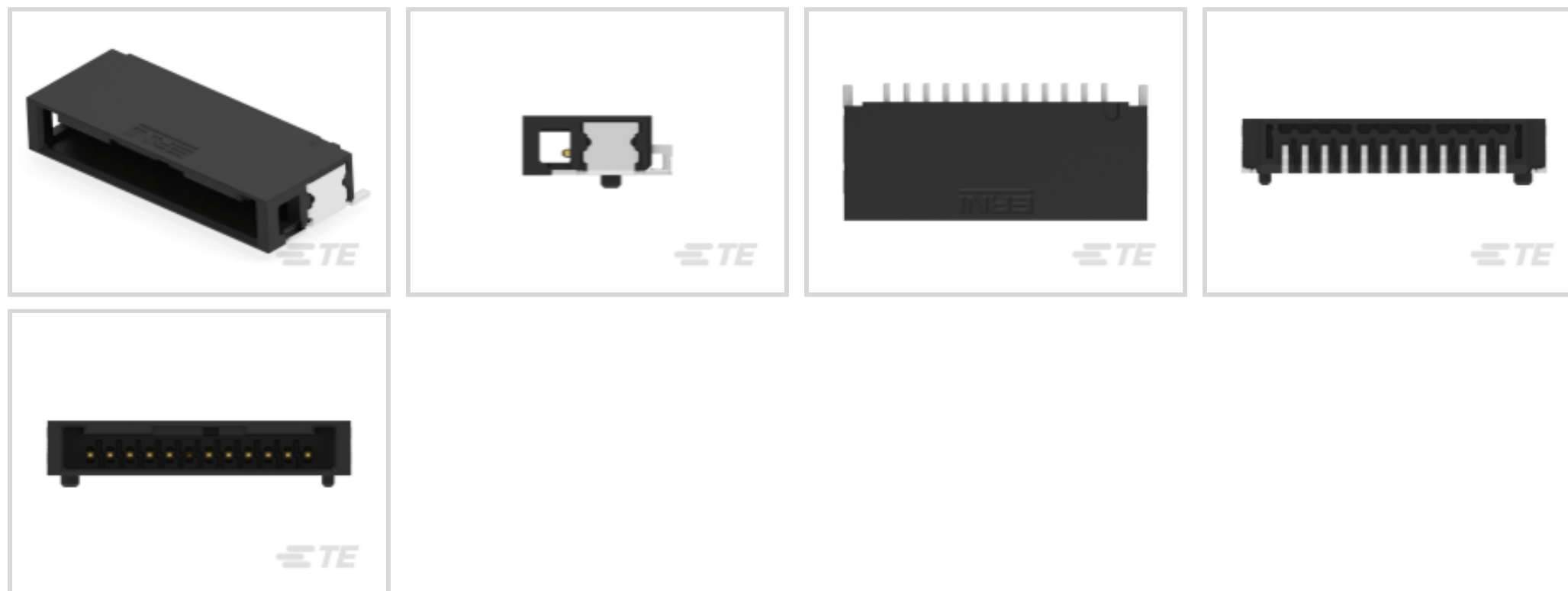
TE Internal #: 515807-E

PCB Mount Header, Right Angle, Cable-to-Board, 12 Position, 1.27 mm [.5 in] Centerline, Fully Shrouded, Gold (Au), Surface Mount, Power & Signal

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **12**

Number of Rows: **1**

Centerline (Pitch): **1.27 mm [.5 in]**

PCB Mount Orientation: **Right Angle**

Features

Product Type Features

Connector Shape	Rectangular
Connector System	Cable-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Columns	12
Number of Loaded Positions	12
Connector Contact Load Condition	Fully Loaded
Number of Positions	12
Number of Rows	1
PCB Mount Orientation	Right Angle

Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Inline
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)	9 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization Groove
Mating Retention	With
Mating Retention Type	Locking
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Housing Material	LCP
Centerline (Pitch)	1.27 mm [.5 in]

Usage Conditions

Operating Temperature (Max)	150 °C [302 °F]
Operating Temperature Range	40 – 150 °C [-40 – 302 °F]

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tape & Reel
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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: JAN 2024 (240) 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 # 524481-E
MCBP 12 F 2 035 137 * 197 1,27 TRAY VR2



TE Part # 544671-E
MCBP 12 F 2 022 137 * 197 1,27 TRAY VR2

Customers Also Bought



TE Part #1802828-2
24W TH HEADER ASSY GREY



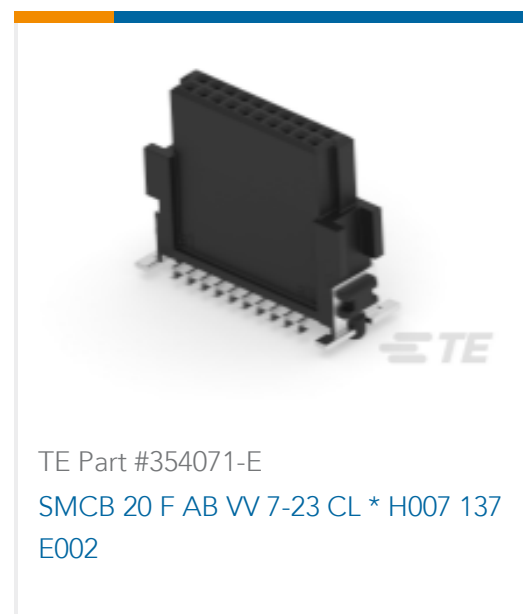
TE Part #234198-E
SMCB 12 F AB VV 7-23 CL * H007 137 E002



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



TE Part #336587-1
PRINTED CIRCUIT BOARD RECEP



Documents

Product Drawings

[MCBA 12 M * SMD 137 * 176 * GURT C6 J 2](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_515807-E_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_515807-E_A.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_515807-E_A.3d_igs.zip](#)

English

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

Datasheets & Catalog Pages

[Datasheet - ERNI MicroBridge Automotive Applications](#)

English

Product Specifications

[108-161172 MicroBridge IDC SMT](#)

English