1-2842130-0 ✔ ACTIVE

AMPMODU | AMPMODU 2 mm

TE Internal #: 1-2842130-0

PCB Mount Header, Vertical, Board-to-Board, 20 Position, 2 mm [.079 in] Centerline, Breakaway, Gold, Through Hole - Solder, Signal, AMPMODU 2 mm

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Connectors > PCB Connectors > PCB Headers & Receptacles






PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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	Breakaway
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	500 VAC
Operating Voltage	125 VAC

Body Features

Assembly Process Feature Material	Thermoplastic
Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Mating Area Length	4 mm[.157 in]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Inline
Contact Underplating Material Thickness	.5 µm[19.69 µin]
PCB Contact Termination Area Plating Material Finish	Bright
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.1 µm[3.94 µin]
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	2.8 mm[.11 in]
Termination Method to PCB	Through Hole - Solder

Housing Features

Centerline (Pitch)	2 mm[.079 in]
Housing Material	PA9T GF

Dimensions

Connector Length	20 mm[.787 in]
Connector Width	4 mm[.157 in]
Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Assembly Process Feature	Pick and Place Cover, Plastic Cap
Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

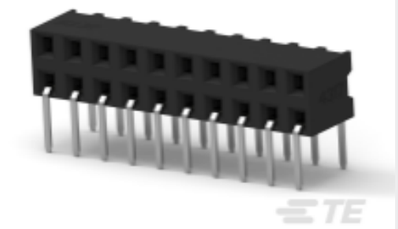
Product Compliance Disclaimer

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

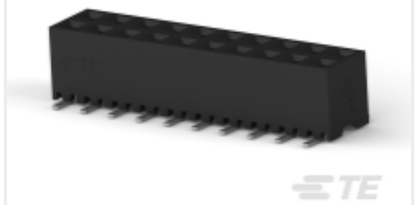
Compatible Parts



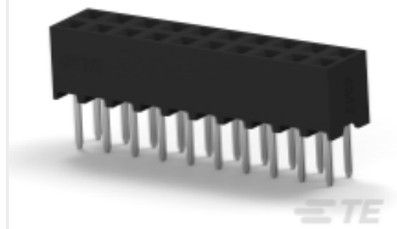
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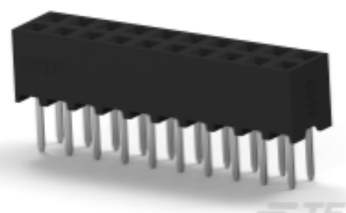
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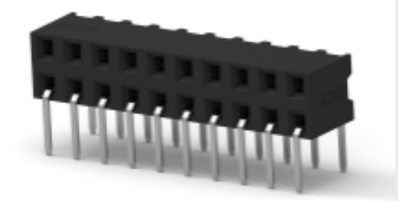
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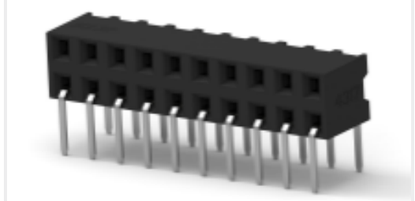
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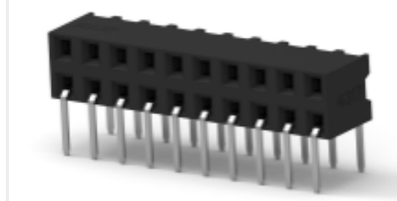
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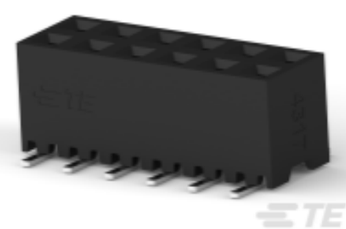
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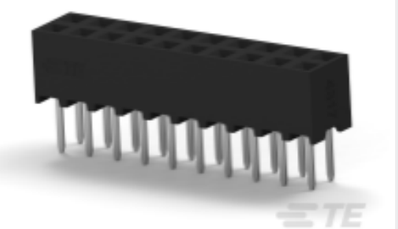
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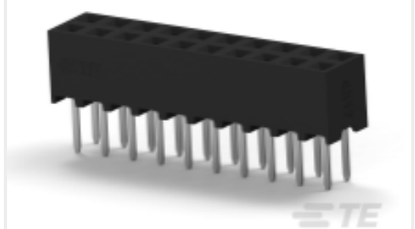
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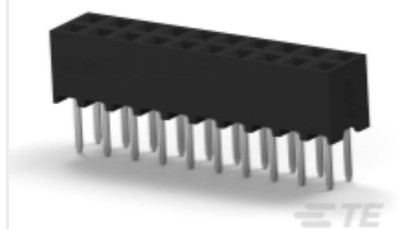
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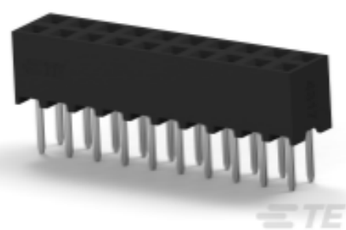
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TE Part # 2-2307779-0
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TE Part # 2-2307780-0
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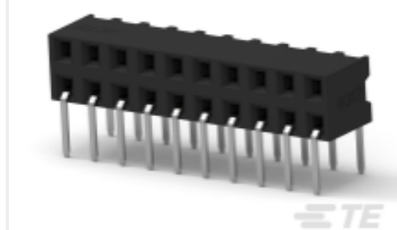
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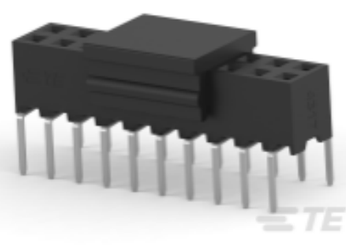
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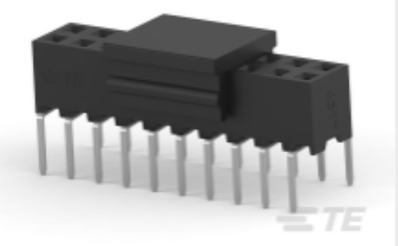
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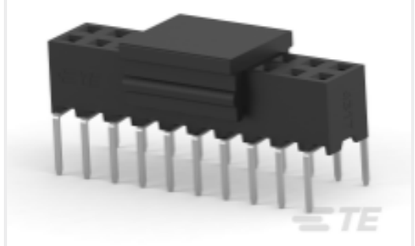
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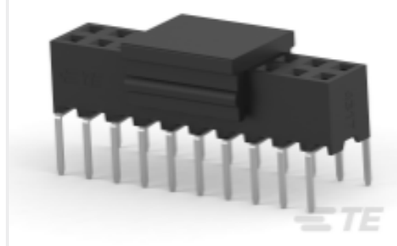
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TE Part # 2-2307823-0
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TE Part # 2-2314860-0
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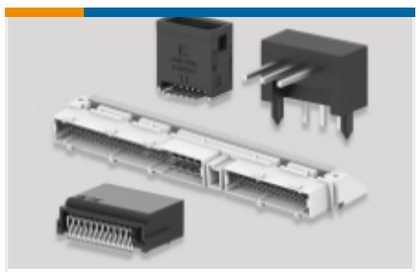


TE Part # 2-2314864-0
20P,2MM,BB,REC,DRVT,OTR,2.8,AU.1,TB W/CP

Also in the Series | AMPMODU 2 mm



Connector Contacts(27)



PCB Headers & Receptacles(10387)



Wire-to-Board Connector Assemblies & Housings(202)

Customers Also Bought



TE Part #5-146282-2
02 MODII HDR SRST B/A .100CL



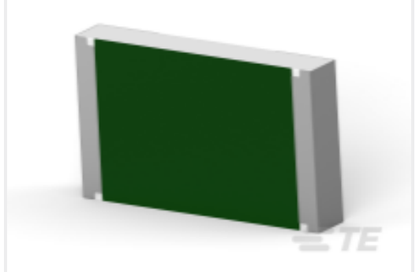
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RN 0805 28K 0.1% 10PPM 1KRL



TE Part #1676416-2
RN 0805 6K49 0.1% 10PPM 1KRL



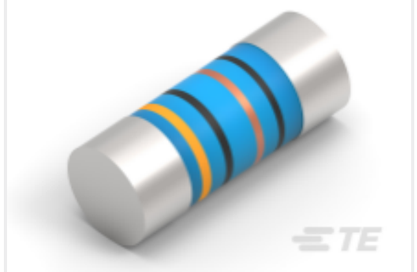
TE Part #2314812-4
4P,2MM,BB,REC,DRVT,2.0,0.1AUTUBE W/CAP



TE Part #7-2176400-4
3540 1K1 1%



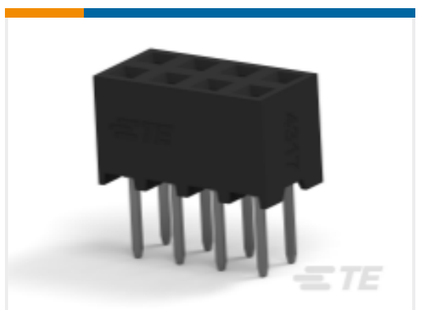
TE Part #4-2176325-1
CRGP 0402 22K 1%



TE Part #7-2176314-8
MELF SMA-A 56R 1% 50PPM 0102 0.3 W



TE Part #214787-E
EPSVA KS GDM4 EE 6 3,8 SN * STROMVERSORG



TE Part #2314822-8
8P,2MM,B-B,REC,DRVT,2.7,0.76AU,TB

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-2842130-0_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-2842130-0_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2842130-0_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

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TE Connectivity:

SBCHE64R7K 2005330-1 2310537-1 2380312-2 1969656-1 TE50BR39J 3-1393225-0 1743455-2
RH73H2A40MKTN 2377783-2 936348-1 CRGCQ2010J3K3 3430B2F51RTDF SBCHE154R7K 2834055-1
1-794222-0 1-962915-1 175977-2 1393431-1 650075-000 U5254-000005-030PA 141991-2 1903112-2
2-292161-3 ROX05SJ18R SMW73R0JT 3631B101LL 917696-1 CPF0402B37K4E1 MPT100C18RF