825440-5 ✔ ACTIVE

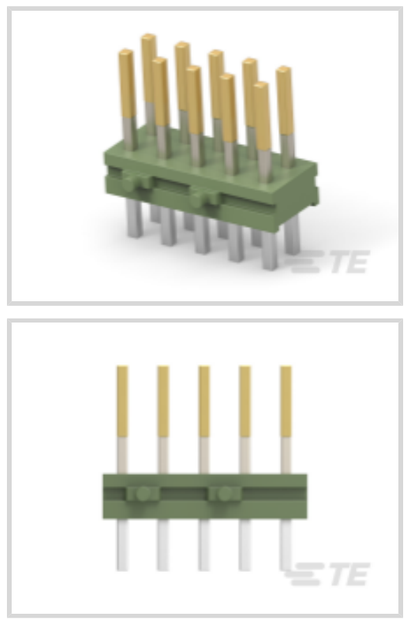
AMPMODU | AMPMODU Headers

TE Internal #: 825440-5

PCB Mount Header, Vertical, Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Breakaway, AMPMODU Headers

View on TE.com >

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: **10**

Number of Rows: **2**

Features

Product Type Features

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

Configuration Features

Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Vertical
Number of Positions	10
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics

Insulation Resistance	5000 MΩ
Dielectric Withstanding Voltage (Max)	750 Vrms

Body Features

Primary Product Color	Green

Contact Features

Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.5 µm
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 or Gold Flash over Palladium Nickel
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Type	Pin
Contact Current Rating (Max)	5 A

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Post & Tail Length	3.2 mm[.126 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment	Without
PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	PBT

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	400
Packaging Method	Carton

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	Wave solder capable to 265°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



TE Part # 925370-5
MOD IV REC HSG 2X5P.

Also in the Series | AMPMODU Headers



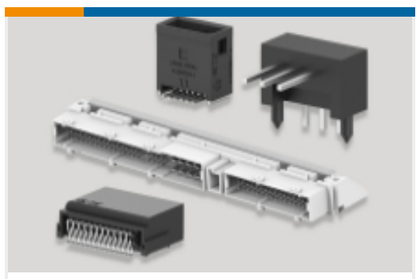
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(3197)

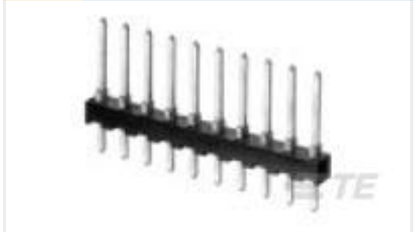


Wire-to-Board Connector Assemblies & Housings(5)

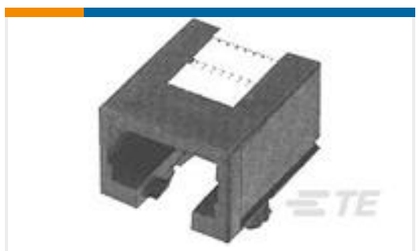
Customers Also Bought



TE Part #925370-5
MOD IV REC HSG 2X5P.



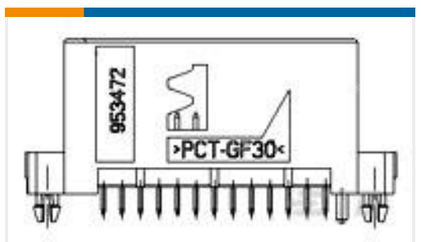
TE Part #825440-8
OD 2 PINHDR 2X08P.



TE Part #215876-1
6/6 PCB MOD.JACK SE



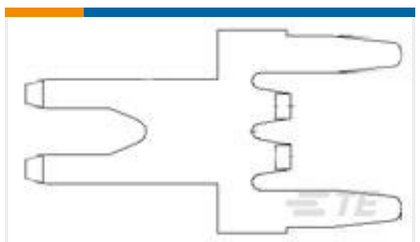
TE Part #1676313-2
RN 0805 35K7 0.1% 10PPM 1KRL



TE Part #953472-1
26pos MQS .63 header 180deg THR



TE Part #1-825440-2
MOD 2 PINHDR 2X12P.



TE Part #1217041-1
TAB, POKE IN PCB 020 TPCUBR

Documents

Product Drawings

MOD 2 PINHDR 2X05P.

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_825440-5_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_825440-5_F.3d_igs.zip

English

Customer View Model

ENG_CVM_825440-5_F.3d_stp.zip

English

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Agency Approvals

UL Report

English

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TE Connectivity:

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