8-176314-6

TE Internal #: 8-176314-6

TE Internal Description: 1.25FP,P26,DS,B,N,TU,5.00,6.90

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **26**

Number of Rows: **2**

Centerline (Pitch): **1.25 mm [.049 in]**

Features

Product Type Features

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

Configuration Features

Stackable	Yes
Number of Positions	26
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

Electrical Characteristics

Operating Voltage	50 VAC
Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Body Features

Primary Product Color	Black

Contact Features

Mating Pin Diameter	.5 mm[.02 in]

PCB Contact Termination Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Layout	Inline
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 µm[31.5 µin]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Tab
Contact Current Rating (Max)	.5 A

Termination Features

Termination Post & Tail Diameter	.5 mm[.02 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

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	Without

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	1.25 mm[.049 in]
Housing Material	Polyphenylene Sulfide (PPS)

Dimensions

Stack Height	5 mm[.197 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	25
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 2025 (250) Candidate List Declared Against: JUN 2013 (144) SVHC > Threshold: Not Yet Reviewed
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 245°C

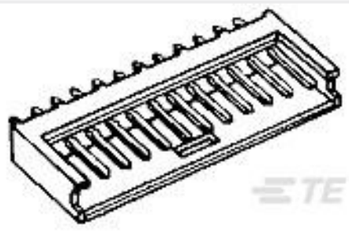
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

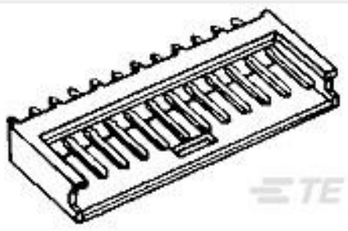
TE Part # 175007-1
0.5 DIA POST 5MM FOR B-TO-B

Customers Also Bought



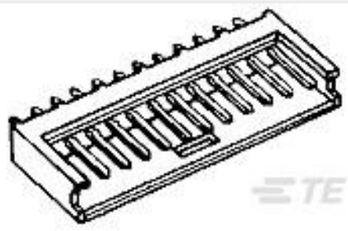
TE Part #280370-2

2P AMPMODU II SHRD HDR, ST, 0.38 AU



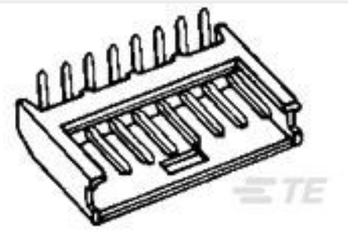
TE Part #280372-2

6P AMPMODU II SHRD HDR, ST, 0.38 AU



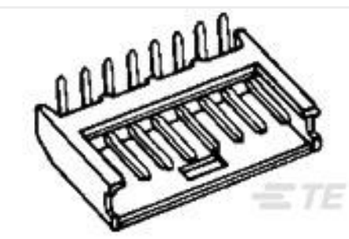
TE Part #280374-1

10P AMPMODU II SHRD HDR, ST, TIN



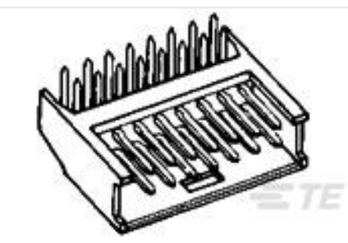
TE Part #280377-1

2P AMPMODU II SHRD HDR, RT ANG, TIN



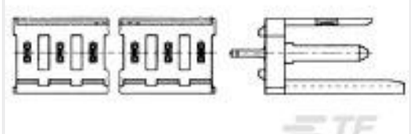
TE Part #280378-2

4P MODU II SHRD HDR, RT ANG, 0.38 AU



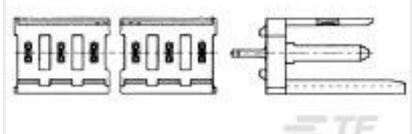
TE Part #280390-1

2X8P MODU II SHRD HDR, RT ANG, TIN



TE Part #280609-1

2P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #280610-1

4P MOD 1 SHROUDED HEADER, ST, TIN PLTD



TE Part #1625958-8

HB01RE 10M 1% 100PPM



TE Part #6469025-1

HM-ZD 2PR HDR 40P 2.5MM

Documents

Product Drawings

1.25FP,P26,DS,B,N,TU,5.00,6.90

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_8-176314-6_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_8-176314-6_E.3d_igs.zip

English

Customer View Model

ENG_CVM_8-176314-6_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English

AMP 1.25mm F-P Connector (Board To Board)

Japanese

Product Specification

Japanese