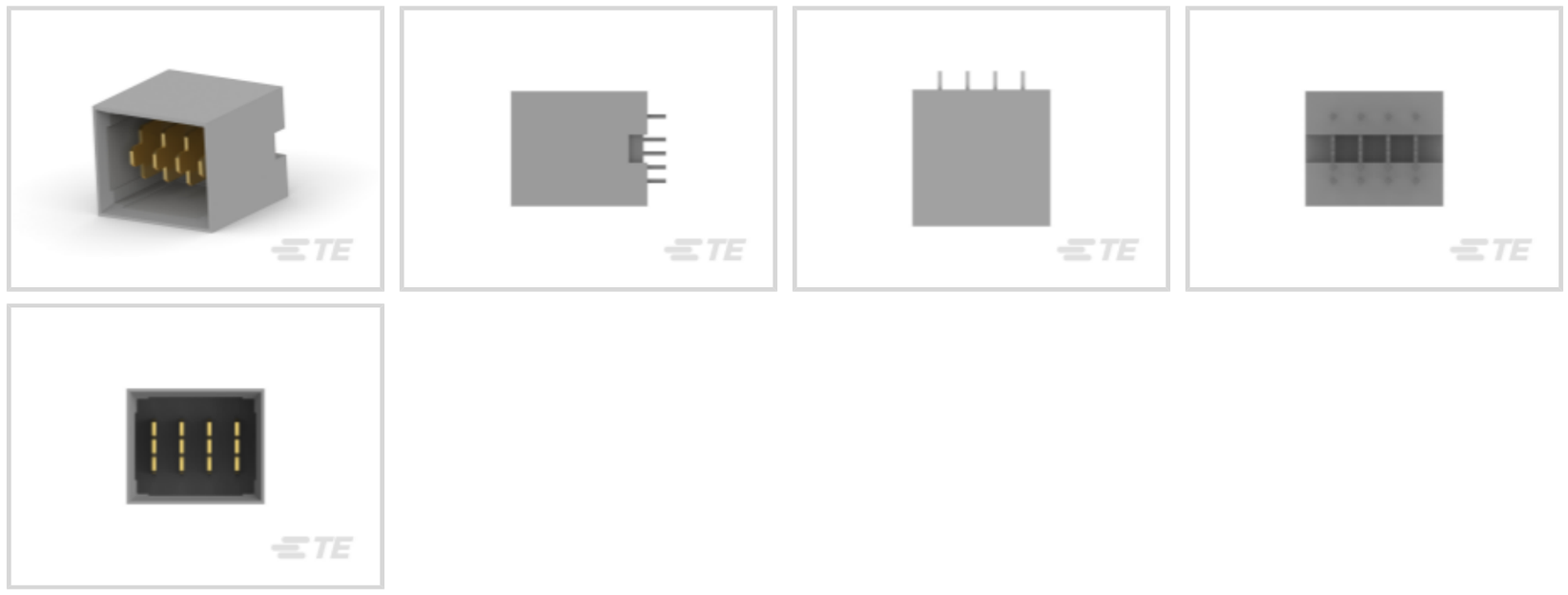
1645498-2 ✔ ACTIVE

TE Internal #: 1645498-2

PCB Mount Header, Vertical, Board-to-Board, 4 Position, 3 mm [.118 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Press-Fit, Power, Gray

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **4**

Number of Rows: **1**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Loaded Positions	4
Connector Contact Load Condition	Fully Loaded
Number of Positions	4
Number of Rows	1
PCB Mount Orientation	Vertical
Number of Power Positions	4

Electrical Characteristics

Operating Voltage	48 VDC

Body Features

Primary Product Color	Gray

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material Thickness	.5 – 2.5 µm[19.68 – 98.42 µin]
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Blade
Contact Current Rating (Max)	16 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Post & Tail Length	2 mm[.079 in]
Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	3 mm[.118 in]
Housing Material	Polyester

Dimensions

Connector Width	12.46 mm[.49 in]
Connector Height	14.8 mm[.583 in]

Connector Length	14.95 mm[.588 in]
Stack Height	15 mm[.59 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	135
Packaging Method	Package

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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 # 120953-1
TE UPM Ver Receptacle 4P HC Power

Customers Also Bought



TE Part #CONSMA007
SMA Plug 50 Ohm Cable Crimp



TE Part #CONSMA001-SMD-G-T
SMA Jack 50 Ohm PCB Surface Mount

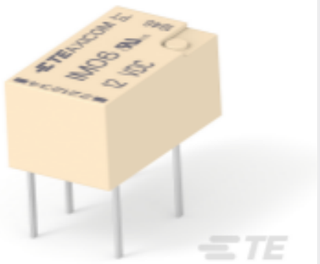


TE Part #5-103168-6
16 MODII HDR DRST SHRD .100CL



TE Part #5-103168-8
20 MODII HDR DRST SHRD .100CL

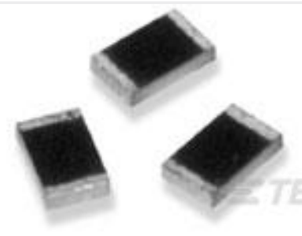
TE Part #1462041-6
IMB06CTS=IM RELAY 140mW12V HDV



TE Part #1462042-6
IMC06TS=IM RELAY 140mW 12V 1CO



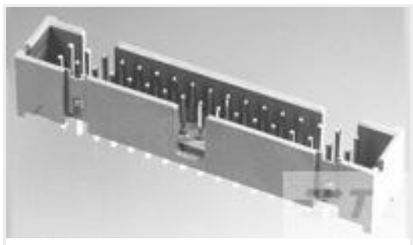
TE Part #1761681-3
IDC LOW PRO HDR 10P VERT HT BLACK



TE Part #1879252-8
RP 2B 4R99 0.1% 15PPM 1K RL



TE Part #2000713-5
RA Keyed Guide Mod, Vita 46, Machined



TE Part #5104338-3
A/L LOW PRO HDR 16P VERT HT

Documents

Product Drawings

UNV,PWR,MDL.4 POS. VERT.HDR,15MM STACK

English

CAD Files

Customer View Model

ENG_CVM_CVM_1645498-2_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1645498-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1645498-2_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD

English

1-1773718-4_POWER_CONNECTORS_QRG_CN

1-1773718-5_POWER_CONNECTORS_QRG_TCN

1-1773718-6_POWER_CONNECTORS_QRG_JA

Japanese

Product Specifications

Engineering Report

English

Agency Approvals

UL Report

English