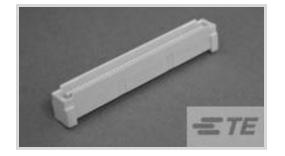


Free Height

TE Internal #: 6123001-2 PCB Mount Header, Vertical, Board-to-Board, 60 Position, .8 mm [. 031 in] Centerline, Fully Shrouded, Gold, Surface Mount, Natural, Free Height

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: **60**

Centerline (Pitch): .8 mm [.031 in]

Features

Product Type Features

PCB Connector Assembly Type

Connector System

Header Type

PCB Mount Header

Board-to-Board

Fully Shrouded



Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	60
Board-to-Board Configuration	Parallel
Electrical Characteristics	
Dielectric Withstanding Voltage (Max)	500 VAC
Insulation Resistance	2 MΩ
Operating Voltage	100 VAC
Body Features	
Assembly Process Feature Material	Steel
Primary Product Color	Natural
Contact Features	

PCB Mount Header, Vertical, Board-to-Board, 60 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold, Surface Mount, Natural, Free Height



1 000 522 (752	09/26/2023		
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]		
Housing Temperature Rating	High		
sage Conditions			
Stack Height	8 mm, 12 mm, 16 mm, 20 mm[.315 in][.472 in][.63 in][.787 in]		
Connector Height	8 mm[.315 in]		
limensions			
Housing Material	Matte		
Centerline (Pitch)	.8 mm[.031 in]		
Mating Entry Location	Тор		
ousing Features			
PCB Mount Alignment	With		
PCB Mount Retention	Without		
Mating Alignment Type	Polarized		
Mating Alignment	With		
PCB Mount Alignment Type	Positioning Bosses		
Mounting Alignment Feature Length	.5 mm[.02 in]		
lechanical Attachment			
Termination Method to Printed Circuit Board	Surface Mount		
Rectangular Termination Post & Tail Width	.25 mm[.01 in]		
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]		
ermination Features			
Contact Current Rating (Max)	.5 A		
Contact Type	Tab		
	30 µin		
Contact Mating Area Plating Material	Gold		
Contact Base Material	Brass		
PCB Contact Termination Area Plating Material	Tin		
PCB Contact Termination Area Plating Material Finish	Matte		
Mating Tab Thickness	.2 mm[.008 in]		
Mating Tab Width	.4 mm[.016 in]		
Contact Layout	Inline		

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PCB Mount Header, Vertical, Board-to-Board, 60 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold, Surface Mount, Natural, Free Height



Operation/Application

Assembly Process Feature	Pick and Place Cover	
Industry Standards		
UL Flammability Rating	UL 94V-0	
Packaging Features		
	.5 in	
Packaging Quantity	600	
Packaging Type	Tape & Reel	

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235)

Halogen Content

Solder Process Capability

Does not contain REACH SVHC

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

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

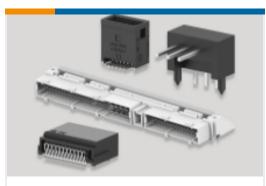
Compatible Parts

PCB Mount Header, Vertical, Board-to-Board, 60 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold, Surface Mount, Natural, Free Height





Also in the Series | Free Height



PCB Headers & Receptacles(759)

Customers Also Bought



TE Part #7-5179180-3	TE Part #1888371-1	TE Part #6123001-5	TE Part #1658197-1
0.8FH,R09H.5,080,30/Sn,TR,SC	MJ,2X1RJ45+2USB,BLACK,NOLEDS	0.8FH,P08H.5,120,30/Sn,TR,SC	SFP, 20 POSN, 0.8MM PITCH, SUR
mmm			
TE Part #4-644759-2	TE Part #1367627-1	TE Part #1888371-2	TE Part #2149782-1
12P MTA156 HDR ASSY STR LF	light pipe assy, 1x1 sfp	MJ,2X1RJ45+2USB,BLACK,NOLEDS	STRADA Whisper Guide Module

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6123001-2_A.2d_dxf.zip

English

PCB Mount Header, Vertical, Board-to-Board, 60 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold, Surface Mount, Natural, Free Height



Customer View Model

ENG_CVM_CVM_6123001-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6123001-2_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

Product Specifications

Application Specification

English

Product Environmental Compliance MD_6123001-2_011820171055_dmtec

English

MD_6123001-2_011820171055_dmtec

English