1-2271888-0 ✔ ACTIVE

TE Internal #: 1-2271888-0

PCB Mount Header, Horizontal, Wire-to-Board, 40 Position, 2 mm [.078 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, Power & Signal

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PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **40**

Centerline (Pitch): **2 mm [.078 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	20
Number of Loaded Positions	40
Connector Contact Load Condition	Fully Loaded
PCB Mount Orientation	Horizontal
Number of Positions	40
Number of Rows	2

Electrical Characteristics

Operating Voltage	125 VDC

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.3 µm[51.18 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.7 mm[.027 in]
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Matrix
Contact Mating Area Length	2.5 mm[.098 in]
Mating Tab Thickness	.5 mm[.019 in]
Contact Mating Area Plating Material	Tin (Sn)
Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Type	Tab
Contact Current Rating (Max)	3 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

Rectangular Termination Post & Tail Width	.5 mm[.019 in]
Rectangular Termination Post & Tail Thickness	.46 mm[.018 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Retention Type	Locking Window
Mating Alignment Type	Keyed
PCB Mount Retention Type	Retention Leg
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	2 mm[.078 in]
Housing Material	Thermoplastic Polyester GF

Dimensions

Connector Width	15 mm[.59 in]
PCB Thickness (Recommended)	1 – 1.6 mm[.039 – .062 in]
Connector Height	11.8 mm[.46 in]
Connector Length	42.6 mm[1.67 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	11
Packaging Method	Package

Product Compliance

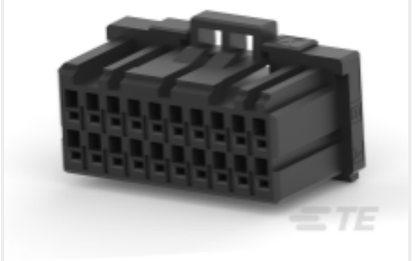
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials 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 reviewed 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 # 1-1827863-0
DYNAMIC 1100D REC HSG X 40P BL

Customers Also Bought



TE Part #6-1625999-9
HSC100 50R 5%



TE Part #1903122-1
DYNAMIC D1000 TAB CONT TIN (2L) REEL



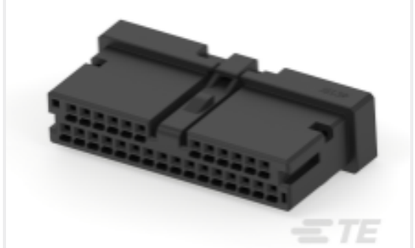
TE Part #CAT-D9934-A15A
Receptacle and Tab Housing: 2.0 mm pitch, 125V



TE Part #1982295-1
ELCON MINI 2P RA HEADER, W /CODING



TE Part #1-2271887-0
DYNAMIC 1100D HDR ASSY H 20PX BLACK TIN



TE Part #2-2834461-8
MINI DYNAMIC REC HSG ASSY 28P X-KEY BLK



TE Part #2-2834465-8
MINI DYNAMIC HDR H 28P TIN X-KEY BLK

TE Part #2176297-1
HSC100 100R 5% MOQ 2000

Documents

Product Drawings

DYNAMIC 1100D HDR ASSY H 40P XBLACK TIN

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2271888-0_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2271888-0_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2271888-0_B.3d_stp.zip

English

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Product Specifications

Application Specification

English