

1-2271888-0 ✓ ACTIVE

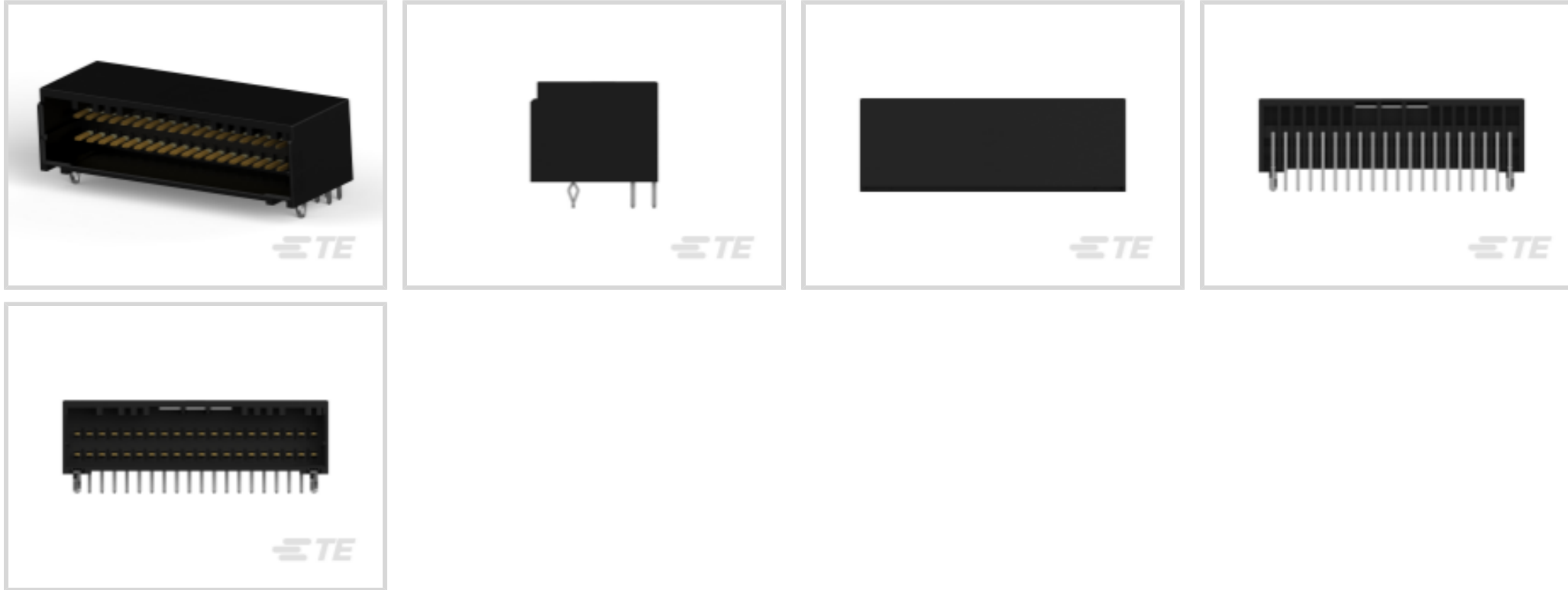
TE Internal #: 1-2271888-0

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

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **40**

Number of Rows: **2**

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

PCB Mount Orientation: **Horizontal**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	125 VAC
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Body Features

Primary Product Color	Black
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Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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Housing Material	Glass-Filled Thermoplastic Polyester
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Centerline (Pitch)	2 mm [.078 in]
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Dimensions

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

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

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Quantity	11
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Packaging Method	Package
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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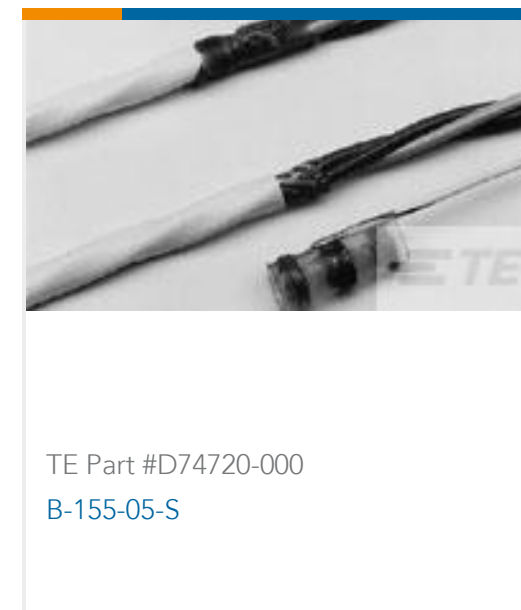
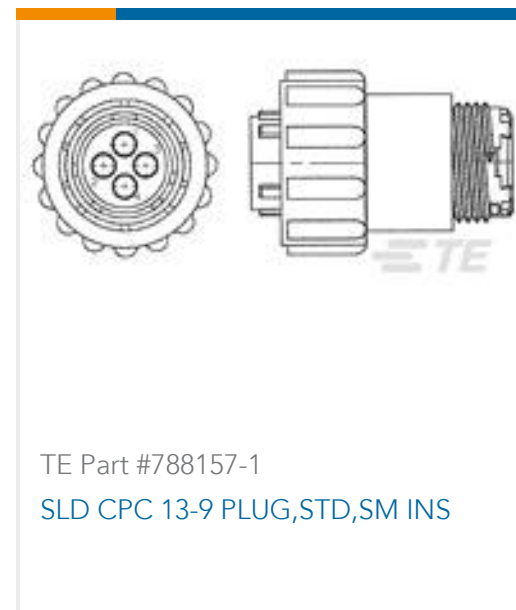
Product Compliance Disclaimer

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



Customers Also Bought



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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Application Specification](#)

English

Agency Approvals

[TUV Certificate](#)

English