

1-6376818-1 ✓ ACTIVE

CHAMP

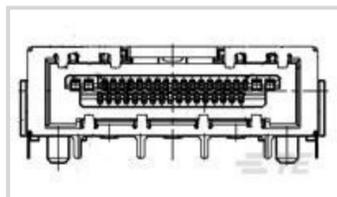
TE Internal #: 1-6376818-1

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 38 Position, 1 mm [.039 in] Centerline, 1 Row, Low Profile, Right Angle, PCB Mount Retention

[View on TE.com >](#)



Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector & Housing Type: **Receptacle**

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

Number of Positions: **38**

Centerline (Pitch): **1 mm [.039 in]**

Number of Rows: **1**

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Type	Header
Product Type	Connector

Configuration Features

Number of Positions	38
Number of Rows	1
PCB Mount Orientation	Right Angle
Preloaded	Yes

Body Features

Connector Profile	Low
Color	Black
Shell Material	Copper Alloy
Shell Plating Material	Tin

Contact Features

Contact Mating Area Plating Material	Gold
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	.5 A, 2 A
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Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Panel Mount Feature	With
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PCB Mount Retention	With
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PCB Mount Retention Type	Boardlock
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Mating Retention	With
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Connector Mounting Type	Board Mount
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Mating Retention Type	Latch
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Mounting Angle	Right Angle
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Mounting Hole Diameter	2.7 mm
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Housing Features

Centerline (Pitch)	1 mm [.039 in]
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Housing Material	Thermoplastic
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Housing Color	Black
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Usage Conditions

Housing Material Temperature	Standard
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Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
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Operation/Application

Circuit Application	Power & Signal
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Packaging Features

Packaging Method	Emboss on Reel
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Packaging Quantity	250
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Other

Comment	34 Signal Contacts, 4 Power Contacts
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2022 (224) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	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>

Documents

Product Drawings

EMBOSS ASSY GIGA I/O CONN. HDR LEAD FREE

Japanese

CAD Files

Customer View Model

[ENG_CVM_1-6376818-1_O.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_1-6376818-1_O.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_1-6376818-1_O.3d_stp.zip](#)

English

3D PDF

English

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

Product Specifications

1-6376818-1

PCB D-Sub Connectors, Receptacle, Cable-to-Board, 38 Position, 1 mm [.039 in]
Centerline, 1 Row, Low Profile, Right Angle, PCB Mount Retention



1mm GIGA I/O Cable assy & Header LF

Japanese

Product Specification

Japanese