



X2

TE Internal #: 1658198-1

X2, Connector, Cable-to-Board, 70 Position, .031 in [.8 mm]

Centerline, Printed Circuit Board, Signal, Board Mount, -55 – 85 °C

[-67 – 185 °F], X2

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Connectors > Pluggable IO Connectors & Cages > X2



Pluggable I/O Product Type: **Connector**

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

Number of Positions: **70**

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

Sealable: **No**

**Features**

**Product Type Features**

System	X2
Connector Style	Receptacle
Form Factor	X2
Pluggable I/O Product Type	Connector
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Number of Positions	70
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**Contact Features**

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm[29.92 µin]
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A

**Termination Features**

Termination Method to Printed Circuit Board	Surface Mount
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**Mechanical Attachment**

PCB Mounting Style	Double-Sided (Belly-to-Belly)
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Connector Mounting Type Board Mount

### Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Black
Centerline (Pitch)	.8 mm[.031 in]

### Usage Conditions

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

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Reel
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### Other

Comment	Lubricant on contact.
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## 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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

#### Product Compliance Disclaimer

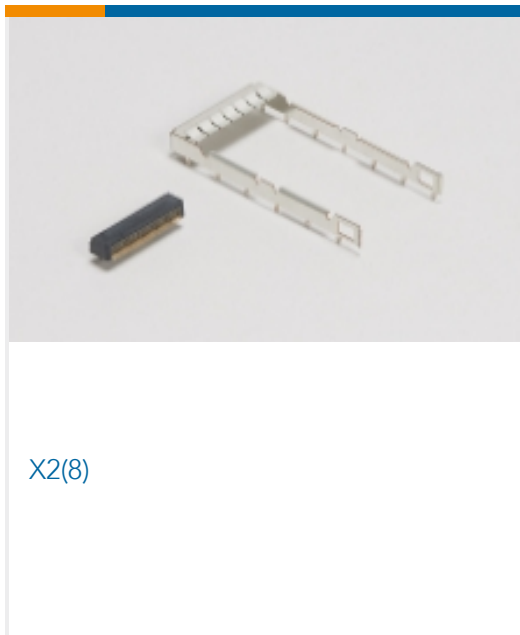
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

## Compatible Parts



## Also in the Series | X2



## Customers Also Bought





## Documents

### Product Drawings

70 POSN,0.8MM PITCH, SURFACE T

English

### CAD Files

3D PDF

English

Customer View Model

[ENG\\_CVM\\_1658198-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1658198-1\\_D.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1658198-1\\_D.2d\\_dxf.zip](#)

English

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

### Datasheets & Catalog Pages

[1773408-1 Pluggable Input/Output Solutions catalog - X2 section](#)

English

[1-1773717-7\\_PLUGGABLE\\_IO\\_ORG\\_CN](#)

English

[1-1773717-8\\_PLUGGABLEIO\\_ORG\\_TCN](#)

English

[1-1773717-9\\_HIGH\\_SPEED\\_IO\\_ORG\\_JA](#)

English

[4-1773455-2 - Quick Reference Guide Pluggable I/O Solutions](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)



English

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[Instruction Sheets](#)

[Instruction Sheet \(U.S.\)](#)

English