

NANO-PITCH 42 CIRCUIT, X4 RECEPTACLE

XD. **!** PENDING OBSOLESCENCE

Nano-Pitch IO

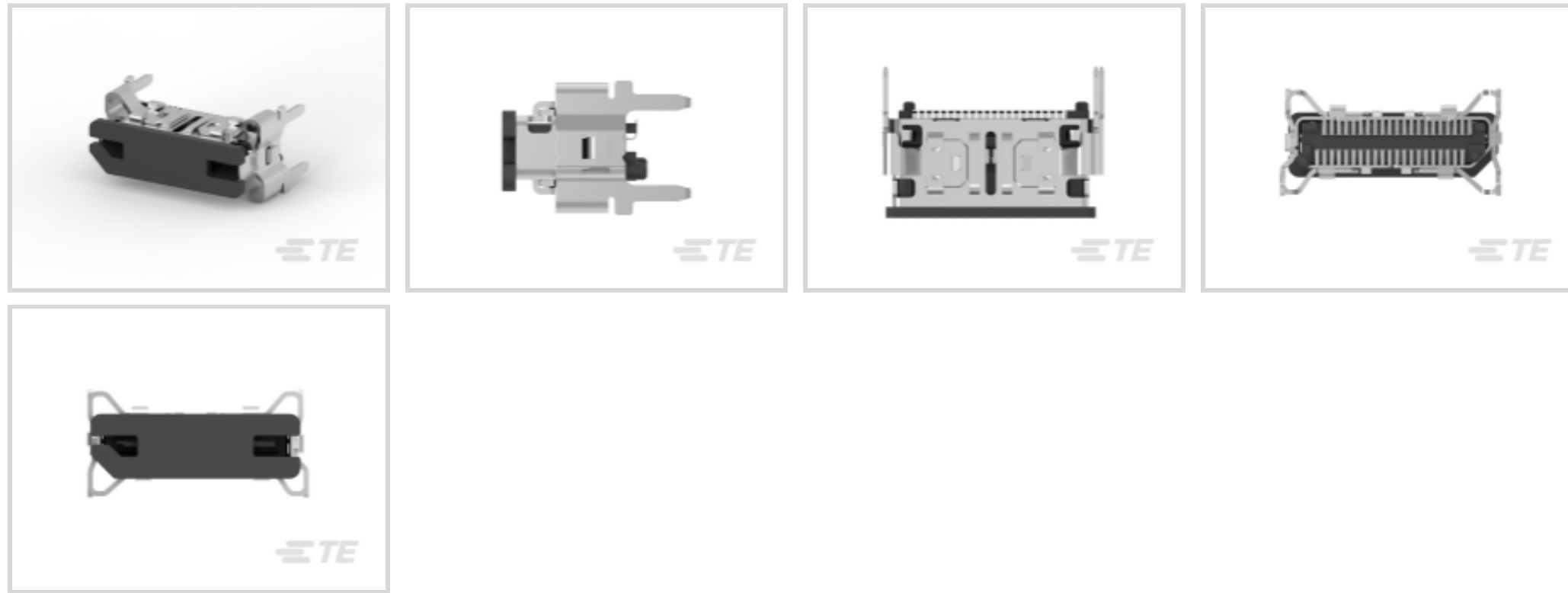
TE Part # 2312741-1

TE Internal #: 2312741-1

[View on TE.com >](#)



Connectors > PCB Connectors > Sliver, SFF-TA-1002 & NPIO Connectors



Product Type: **Connector**

Connector Style: **Receptacle**

PCB Mount Orientation: **Vertical**

Connector Type: **Receptacle for Cable**

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

Features

Product Type Features

Product Type	Connector
Connector Style	Receptacle
Connector Type	Receptacle for Cable
Connector System	Cable-to-Board
Shell	With
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	42
Number of Rows	2

Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel



PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A

Mechanical Attachment

PCB Mounting Style	Surface Mount
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	.5 mm[.02 in]
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Usage Conditions

Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]
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Operation/Application

Circuit Application	Signal
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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: JAN 2019 (197) Candidate List Declared Against: JUL 2017 (174)
Halogen Content	Not Yet Reviewed for halogen content
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series

Customers Also Bought



TE Part #2308107-4
DDR4 DIMM 288 PIN TH
TYPE



TE Part #1546019-3
3 POS TERMI-BLOK PIN
HEAD 180



TE Part #1-103635-0
11 MTE HDR SRRA LATCH
.100CL



TE Part #1-103639-9
20 MTE HDR SRST LATCH
.100CL




TE Part #1-1744428-0
3.96 EP HDR ASSY 10P R
/A, GW



TE Part #1-6437267-4
A6D12DS29C2LF=Cardedge
Connector



TE Part #2-6437267-9
A6D22DS29C2LF=Cardedge
Connector



TE Part #5-103675-5
09/10 MODII HDR DRST B
/A .100 LF



TE Part #532955-8
50 MODII 2PC CE RCPT
ASSY



TE Part #3-2176330-0
CRGP 2010 2K7 1%

Documents

Product Drawings

NANO-PITCH 42 CIRCUIT, X4 RECEPTACLE XD.

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2312741-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2312741-1_A.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_2312741-1_A.3d_stp.zip](#)

English

Product Specifications

[Application Specification](#)

English