2198264-3 × OBSOLETE

STRADA Whisper 4.5mm

TE Internal #: 2198264-3

TE Internal Description: SW 360, 8X8, 4.5, SN

View on TE.com >

Connectors > PCB Connectors > Backplane Connectors > High Speed Backplane Connectors



Number of Positions: **128**

Row-to-Row Spacing: **2.5 mm [.098 in]**

Mating Alignment: **With**

Mating Alignment Type: **Keyed**

Number of Rows: **8**

Features

Product Type Features

Signal Arrangement	Differential
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board
Backplane Module Type	Center
PCB Connector Type	PCB Mount Receptacle
Shroud Style	Unshrouded

Configuration Features

Number of Pairs	64
Number of Ground Positions	72
Number of Signal Positions	128
Backplane Architecture	Traditional Backplane
Pairs per Column	8
Number of Positions	128
Number of Rows	8
Number of Columns	8
PCB Mount Orientation	Right Angle

Electrical Characteristics

Operating Voltage	80 VAC
Impedance	100 Ω

Signal Characteristics

Data Rate	56 Gb/s
Differential Impedance	100 Ω
Number of Differential Pairs per Column	8

Body Features

Shield Material	Copper Alloy
Primary Product Color	Black

Contact Features

Contact Shape & Form	Dual Beam
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Receptacle
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

Guide Hardware	Without
PCB Mount Retention	With
Mating Retention	Without
PCB Mount Retention Type	Action/Compliant Tail
Mating Alignment	With
Mating Alignment Type	Keyed

Housing Features

Number of Shrouded Sides	0
Housing Material	LCP
Centerline (Pitch)	4.5 mm[.177 in]

Dimensions

PCB Hole Diameter	.24 mm, .34 mm
Row-to-Row Spacing	2.5 mm[.098 in]

Operation/Application

Durability Rating	200 Cycles

Circuit Application	Signal

Industry Standards

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube

Product Compliance

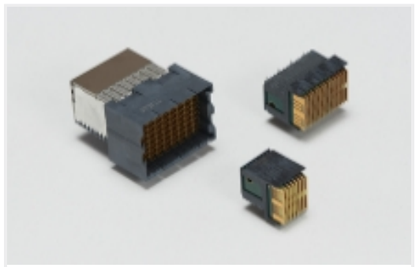
For compliance documentation, visit the product page on TE.com>

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: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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 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 | STRADA Whisper 4.5mm

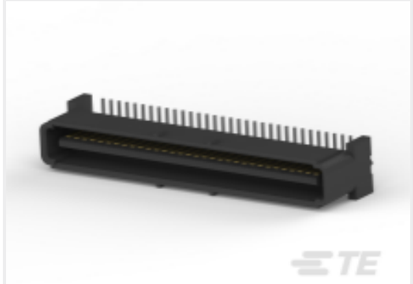


High Speed Backplane Connectors(2)

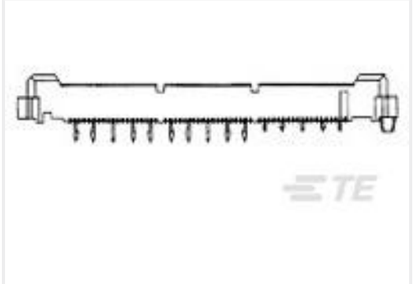
Customers Also Bought



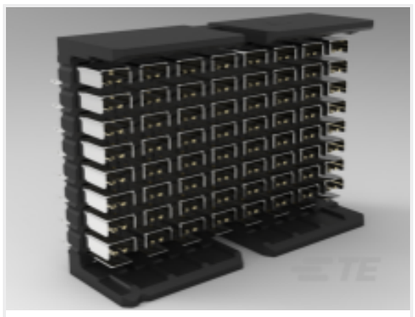
TE Part #2018844-1
ASSY, SEAT TL, 8ROW, 8COL



TE Part #CAT-314-PCB64
Free Height Plug Connector: Board-Board, Vertical, 64, 1mm



TE Part #767042-2
MICT,738PLUG,076,ASSY,.025,EXT



TE Part #2180824-5
SW, HDR, 8x8, Thick, Sn



TE Part #YDTS20F25-35SBC001
RECP ASSY

TE Part #3362-205-1231
COAX KIT SOC



TE Part #9-1437416-4
SSB7TG030502=SSB STRIP 7/16 5

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2198264-3_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2198264-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2198264-3_B.3d_stp.zip

English

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Datasheets & Catalog Pages

STRADA Whisper 4.5mm Connector Enhanced Backplane and Daughtercard Footprint Routing Guide

English

Product Specifications

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English