2298081-1 ✔ ACTIVE

STRADA | STRADA Whisper 3.9mm

TE Internal #: 2298081-1

64 Position High Speed Backplane Connector, 8 Row, 4 Column, PCB Mount Header, Right Angle, Fully Shrouded, STRADA Whisper 3.9mm

View on TE.com >

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



Number of Positions: **64**

Row-to-Row Spacing: **3.9 mm [.154 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 Header
Shroud Style	Fully Shrouded

Configuration Features

Number of Pairs	32
Number of Ground Positions	36
Number of Signal Positions	64
Backplane Architecture	Orthogonal
Stackable	No
Pairs per Column	4
Number of Positions	64
Number of Rows	8
Number of Columns	4
PCB Mount Orientation	Right Angle

Electrical Characteristics

Impedance	85 Ω
Operating Voltage	80 VDC

Signal Characteristics

Data Rate	56 Gb/s
Differential Impedance	85 Ω
Number of Differential Pairs per Column	56

Body Features

Shield Material	Copper Alloy
Primary Product Color	Black

Contact Features

Contact Underplating Material	Palladium Nickel
Contact Shape & Form	Dual Beam
Contact Mating Area Plating Material	Gold Flash
Contact Mating Area Length	4.38 mm[.172 in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	.4 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	4
Housing Material	LCP
Centerline (Pitch)	3.9 mm[.154 in]

Dimensions

PCB Thickness (Recommended)	1 mm[.039 in]
PCB Hole Diameter	1 mm[.039 in]
Row-to-Row Spacing	3.9 mm[.154 in]

Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

Operation/Application

Durability Rating	200 Cycles
Circuit Application	Signal

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL E28476

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: JUNE 2024 (241) 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 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

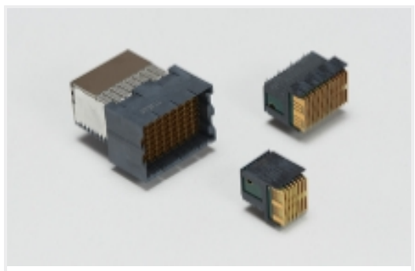


TE Part # 2298079-1
SW RA RCP ASM, 4P, 8C, 85O, PIC, INV HSG



TE Part # 2287288-1
SW RA RCP ASM, 4P, 8C, 85O, PIC, SR FP

Also in the Series | STRADA Whisper 3.9mm



High Speed Backplane Connectors(41)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



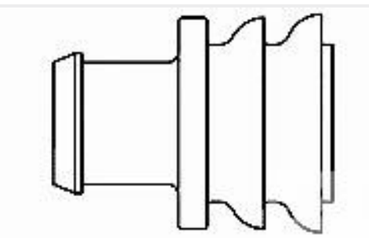
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2298081-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2298081-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2298081-1_A.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