

2292528-1

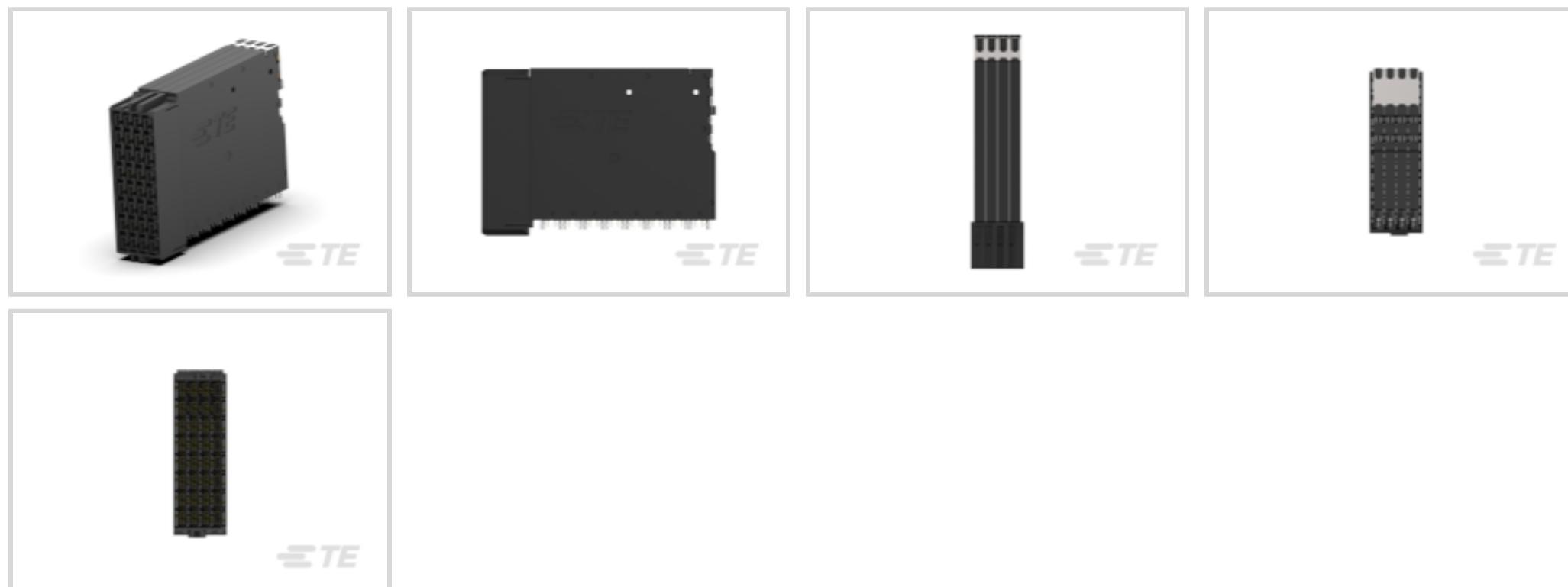
✓ ACTIVE

STRADA Whisper 3.9mm

TE Internal #: 2292528-1

64 Position High Speed Backplane Connector, 8 Row, 4 Column,
PCB Mount Receptacle, Right Angle, Unshrouded, 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

Electrical Characteristics

Operating Voltage	80 VAC
Impedance	85 Ω

Signal Characteristics

Data Rate	56 Gb/s
Differential Impedance	85 Ω
Number of Differential Pairs per Column	8

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
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Industry Standards

Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

Body Features

Shield Material	Copper Alloy
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Primary Product Color	Black
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Packaging Features

Packaging Method	Tube
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Operation/Application

Durability Rating	200 Cycles
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Circuit Application	Signal
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Contact Features

Contact Shape & Form	Dual Beam
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Contact Base Material	Copper Alloy
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PCB Contact Termination Area Plating Material	Tin
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Contact Type	Receptacle
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Contact Current Rating (Max)	.4 A
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Housing Features

Number of Shrouded Sides	0
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Housing Material	LCP (Liquid Crystal Polymer)
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Centerline (Pitch)	2.5 mm[.098 in]
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Product Type Features

Signal Arrangement	Differential
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Connector & Contact Terminates To	Printed Circuit Board
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Connector System	Board-to-Board
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PCB Connector Assembly Type	PCB Mount Receptacle
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Shroud Style	Unshrouded
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Mechanical Attachment

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

Connector Height	35.7 mm[1.406 in]
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Connector Length	11.3 mm[.445 in]
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Row-to-Row Spacing	3.9 mm[.154 in]
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Configuration Features

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

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

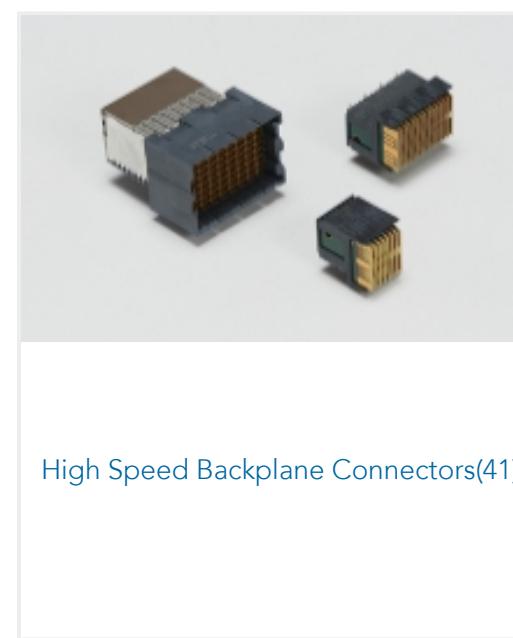
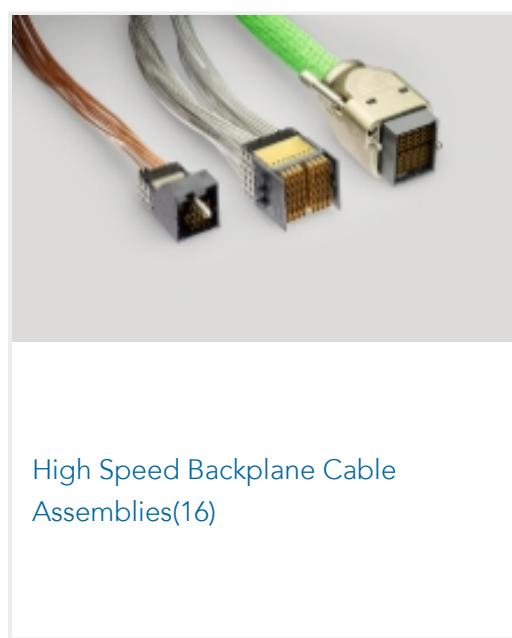
Product Compliance Disclaimer

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.

Compatible Parts



Also in the Series | STRADA Whisper 3.9mm



Customers Also Bought





TE Part #1-1879208-4
CPF 0402 36R 0.1% 25PPM 1K RL



TE Part #9-1734774-3
PCI EXP 2.3L 64 POS BLK 30u"



TE Part #1735482-3
0.8FH,R17H.5,080,08/Sn,TR,SC



TE Part #861647-6
RECPT FLANGED H.V. 7 CONTACTS



TE Part #8-1879160-5
RN 0805 8R66 0.1% 10PPM 1K RL



TE Part #8-1622796-9
YR1 0.1% 191K

Documents

Product Drawings

[SW RA RCP ASM, 8P, 4C, 85O, PIC, HW FP](#)

English

Datasheets & Catalog Pages

[STRADA Whisper 3.9mm Pair-In-Column\(PiC\) 85 Ohm Connector Standard Channel Daughtercard Routing Guide](#)

English

Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English