

STRADA Whisper 3.9mm

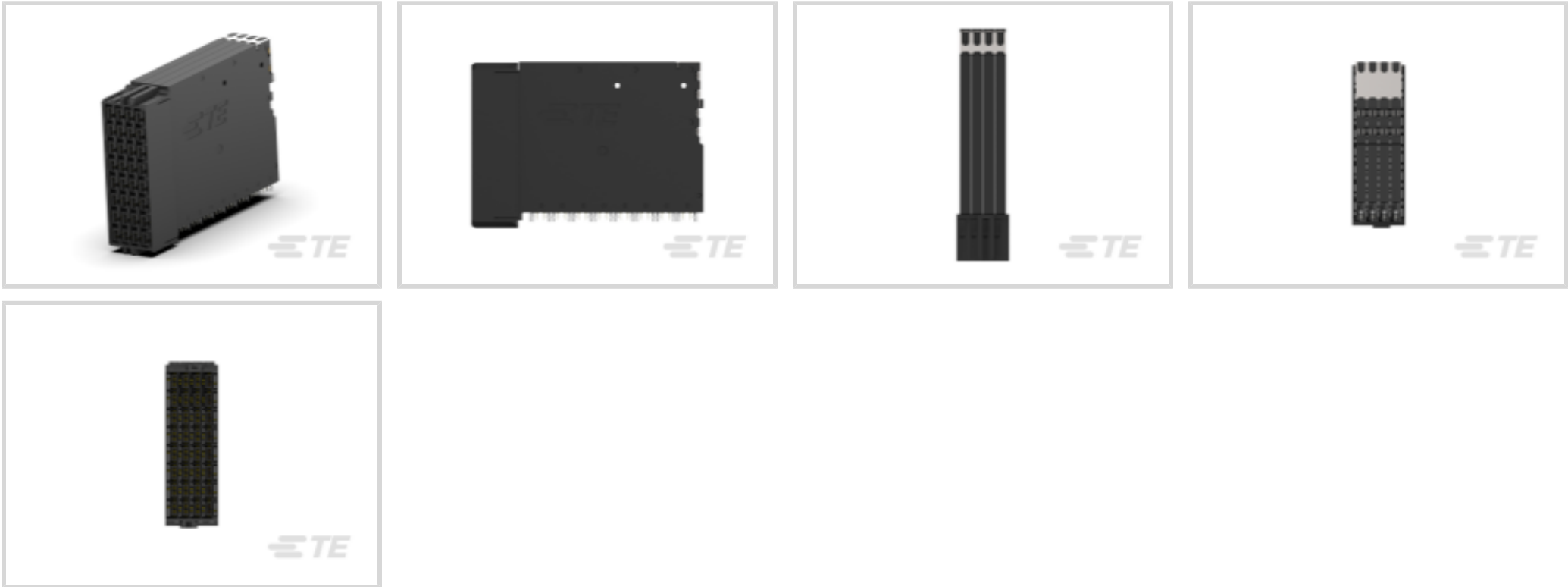
TE Internal #: 2292528-1

64 Position High Speed Backplane Connector, 8 Row, 4 Column,
PCB Mount Receptacle, Right Angle, Unshrouded, STRADA
Whisper 3.9mm

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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 |
|---------------------------|--------------------------|

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 |
| Primary Product Color | Black |
| Packaging Features | |
| Packaging Method | Tube |
| Operation/Application | |
| Durability Rating | 200 Cycles |
| Circuit Application | Signal |
| 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) | .4 A |
| Housing Features | |
| Number of Shrouded Sides | 0 |
| Housing Material | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch) | 2.5 mm[.098 in] |
| Product Type Features | |
| Signal Arrangement | Differential |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System | Board-to-Board |
| PCB Connector Assembly Type | PCB Mount Receptacle |
| Shroud Style | Unshrouded |
| 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 |
| Dimensions | |
| Connector Height | 35.7 mm[1.406 in] |



| | |
|--------------------|------------------|
| Connector Length | 11.3 mm[.445 in] |
| Row-to-Row Spacing | 3.9 mm[.154 in] |

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] |
|-----------------------------|----------------------------|

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



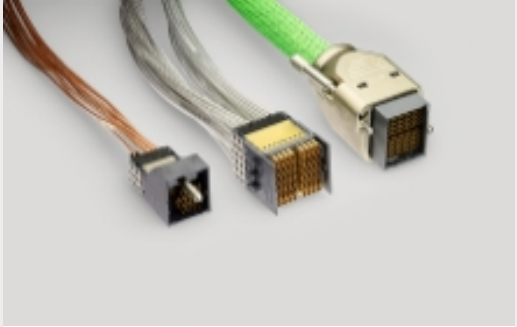
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

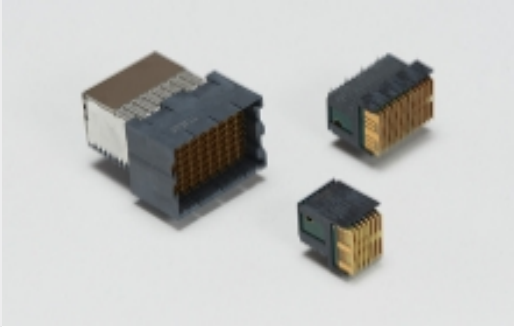


TE Part # 2312278-1
SW HDR ASM, 8P, 4C, 85O, PIC

Also in the Series | STRADA Whisper 3.9mm



High Speed Backplane Cable Assemblies(16)



High Speed Backplane Connectors(41)

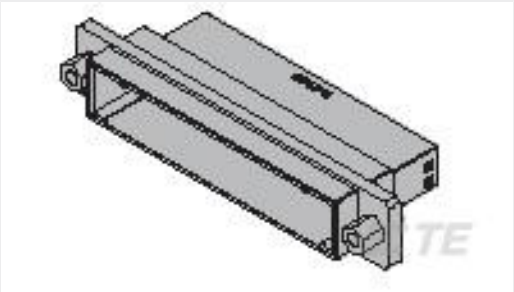
Customers Also Bought



TE Part #1735482-4
0.8FH,R17H.5,100,08/Sn,TR,SC



TE Part #50865
SOCKET,MIN-SPR AU SER-4



TE Part #1376073-2
DYNAMIC D-2000 TAB ASSY 50P



TE Part #4-2176230-7
3522 5K6 5% 3W



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