

STRADA Whisper | STRADA Whisper 3.9mm

TE Internal #: 2356429-1

48 Position High Speed Backplane Connector, 4 Row, 6 Column,

PCB Mount Receptacle, Right Angle, Unshrouded, STRADA

Whisper 3.9mm

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Number of Positions: 48

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

Mating Alignment: With

Mating Alignment Type: Keyed

Number of Rows: 4

Features

Product Type Features

Signal Arrangement

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	24
Number of Ground Positions	30
Number of Signal Positions	48
Number of Power Positions	48
Backplane Architecture	Traditional Backplane
Pairs per Column	4
Number of Positions	48

Differential



Number of Columns 6 PCB Mount Orientation Right Angle Electrical Characteristics 80 VAC Impedance 92 Ω Signal Characteristics 92 Ω Data Rate 56 Gb/s Differential Impedance 92 Ω Number of Differential Pairs per Column 8 Body Features 8 Shield Material Phosphor Bronze Primary Product Color Black Contact Features Contact Shape & Form Dual Beam Contact Base Material Phosphor Bronze PCB Contact Termination Area Plating Material Tin Contact Type Receptacle Contact Type (Contact Termination Features) Through Hole Press Fit Mechanical Attachment Without PCB Mount Retention Without PCB Mount Retention Type Action/Compliant Tail Mating Alignment With Mating Alignment Type Keyed Housing Features U Number of Strouded Sides 0 Housing Material UCP (Liquid Chystal Polymer)<	Number of Rows	4
Electrical Characteristics Operating Voltage 80 VAC Impedance 97.0 Signal Characteristics Data Rate 56 Gb/s Differential Impedance 92 Ω Number of Differential Pairs per Column 8 Body Features Shield Material Phosphor Bronze Primary Product Color Black Contact Features Contact Features Contact Shape & Form Dual Beam Contact Base Material Phosphor Bronze PDS Contect Termination Area Plating Material Tin Contact Type Receptacle Contact Current Rating (Max) 4 Λ Termination Method to PCIS Through Hole - Press-Fit Mechanical Attachment Guide Hardware Without PCB Mount Retention Muth Mating Retention Type Action/Compliant Lail Mating Alignment Mating Alignment Type Keyed Housing Features Number of Shrouded Sides 0 LCP (Liquid Crystal Polymer)	Number of Columns	6
Operating Voltage 92 0 Impedance 92 0 Signal Characteristics Data Rate 56 Gb/s Differential Impedance 92 0 Number of Differential Pairs per Column 8 Body Features Shield Material Phosphor Bronze Primary Product Color Black Contact Features Contact Features Contact Shape & Form Dual Beam Contact Base Material Phosphor Bronze PPB Contact Tormination Area Plating Material Tin Contact Type Receptade Contact Current Rating (Max) 4.A Termination Features Termination Method to PCB Through Hole - Press-Fit Mechanical Attachment Guide Hardware Without PCB Mount Retention Hype Action/Compliant Tail Mating Retention PCB Mount Retention Type Action/Compliant Tail Mating Alignment With Mating Alignment Type Keyed Housing Features Number of Shrouded Sides 0 Housing Material Colyment Polyment	PCB Mount Orientation	Right Angle
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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 (Liquid Crystal Polymer)	Termination Features	
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PCB Mount Retention Mating Retention Without PCB Mount Retention Type Action/Compliant Tail Mating Alignment With Mating Alignment Type Keyed Housing Features Number of Shrouded Sides O Housing Material With LCP (Liquid Crystal Polymer)	Mechanical Attachment	
Mating Retention PCB Mount Retention Type Action/Compliant Tail Mating Alignment With Mating Alignment Type Keyed Housing Features Number of Shrouded Sides Housing Material Mithout Without Action/Compliant Tail With LCP (Liquid Crystal Polymer)	Guide Hardware	Without
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Mating Alignment Type Keyed Housing Features Number of Shrouded Sides 0 Housing Material LCP (Liquid Crystal Polymer)	Mating Retention	Without
Mating Alignment Type Housing Features Number of Shrouded Sides O Housing Material LCP (Liquid Crystal Polymer)	PCB Mount Retention Type	Action/Compliant Tail
Housing Features Number of Shrouded Sides Housing Material LCP (Liquid Crystal Polymer)	Mating Alignment	With
Number of Shrouded Sides Housing Material LCP (Liquid Crystal Polymer)	Mating Alignment Type	Keyed
Housing Material LCP (Liquid Crystal Polymer)	Housing Features	
	Number of Shrouded Sides	0
Centerline (Pitch) 3.9 mm[.154 in]	Housing Material	LCP (Liquid Crystal Polymer)
	Centerline (Pitch)	3.9 mm[.154 in]



Dimensions

Row-to-Row Spacing	2.5 mm[.098 in]
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Durability Rating	200 Cycles
Circuit Application	Signal
Industry Standards	
Compatible With Agency/Standards Products	UL
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476
Packaging Features	

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 2025 (247) 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



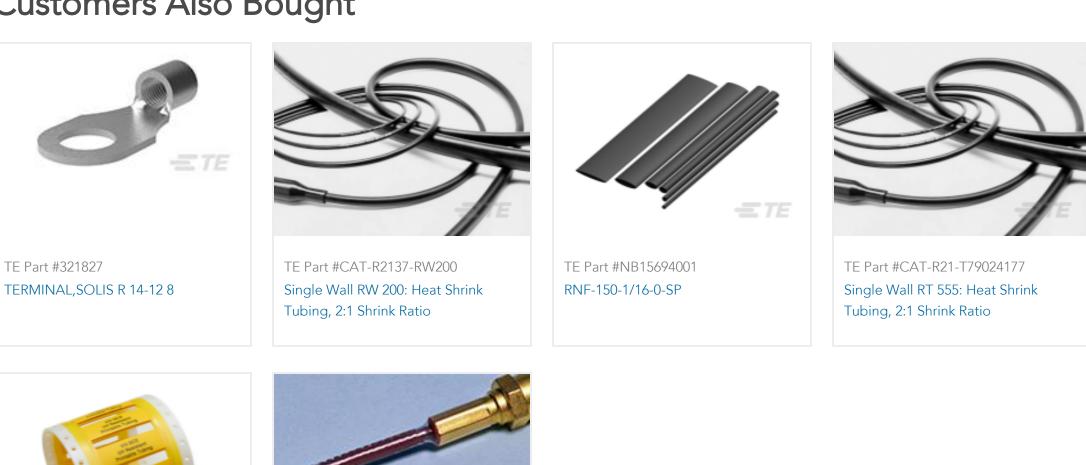
Also in the Series | STRADA Whisper 3.9mm

TE Part #CV4358-000

HT-200-3/16-X-SP



Customers Also Bought



TE Part #CAT-T3437-UV1

UV Resistant Sleeves, UV-SCE



Documents

Product Drawings

RA REC ASSY 4X6, 920HM PIR WHISPER R

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2356429-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2356429-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2356429-1_1.3d_stp.zip

English

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Datasheets & Catalog Pages

STRADA Whisper R Product Flyer

English

STRADA Whisper R Product Flyer (Chinese)

Product Specifications

Application Specification

English