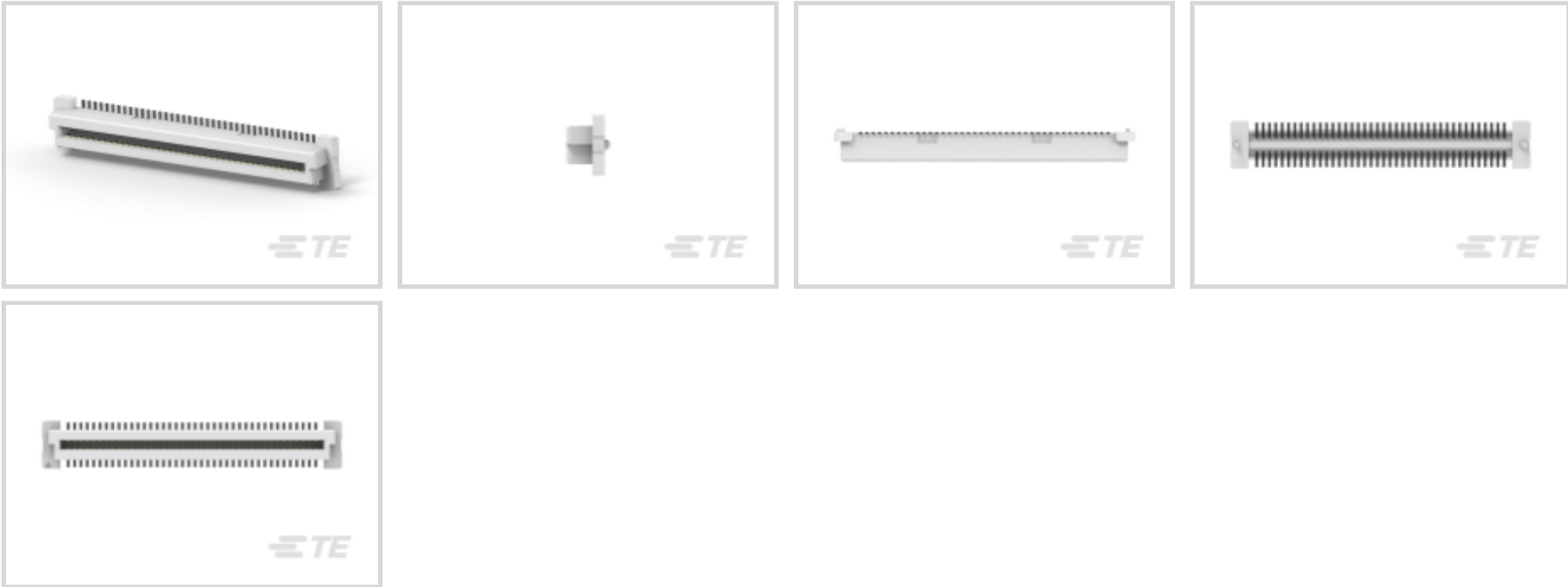




Free Height

TE Internal #: 5353999-3
PCB Mount Receptacle, Vertical, Board-to-Board, 80 Position, .8 mm [.031 in] Centerline, Gold (Au), Surface Mount, Signal, Natural, Free Height
[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Free Height Receptacle Conn: Board-Board, Vertical, 80, 0.8mm



PCB Connector Type: **PCB Mount Receptacle**
PCB Mount Orientation: **Vertical**
Connector System: **Board-to-Board**
Number of Positions: **80**
Centerline (Pitch): **.8 mm [.031 in]**

[All Free Height Receptacle Conn: Board-Board, Vertical, 80, 0.8mm \(23\)](#)

Features

Product Type Features

PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	80

Electrical Characteristics

Operating Voltage	100 VAC
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Insulation Resistance	2 MΩ
Dielectric Withstanding Voltage (Max)	500 VAC

Body Features

Assembly Process Feature Material	Steel
Primary Product Color	Natural

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
PCB Contact Termination Area Plating Material Thickness	2 μm[78.74 μin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	.5 A

Termination Features

Rectangular Termination Post & Tail Width	.3 mm[.012 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Method to PCB	Surface Mount

Mechanical Attachment

Mounting Alignment Feature Length	.5 mm[.02 in]
Mating Alignment Type	Polarization
PCB Mount Alignment Type	Positioning Bosses
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Mating Entry Location	Top
Housing Material	Matte
Centerline (Pitch)	.8 mm[.031 in]

Dimensions

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Stack Height	5 mm, 6 mm, 7 mm, 8 mm[.197 in][.236 in][.276 in][.315 in]
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Connector Height	5 mm[.197 in]
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Usage Conditions

Housing Temperature Rating	High
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Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

	.5 in
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Packaging Quantity	1000
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Packaging Method	Tape & Reel
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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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 # 5179029-3 0.8FH,P06H.5,080,08/Sn,TU	TE Part # CAT-313-PCB80 Free Height Plug Connector: Board-Board, Vertical, 80, 0.8mm	TE Part # 316229-3 0.8 FH PLUG ASSY 80P R/ANGLE	TE Part # 84614-3 0.8FH,P05H.5,080,30/SP,TU

Also in the Series | Free Height

Board-to-Board Headers & Receptacles(747)	PCB Headers & Receptacles(747)

Customers Also Bought

TE Part #2344604-1 50 AMP CARD EDGE ASSEMBLY	TE Part #1-6450843-6 MBXLE R/A HEADER 3ACP	TE Part #2384218-3 SLIVER 2.0 4C+ vertical receptacle	TE Part #2358714-1 ICCON BLOCK SIZE 10.3mm PIN
TE Part #2318579-2 RCPT CONN R/A SMT 76 POSN QSFP-DD WSHRS	TE Part #2325080-5 LIGHTPIPE ASSEMBLY, OSFP	TE Part #1-2204910-0 MBXL R/A HDR 2P + 16S + 2P	TE Part #2338495-5 CAGE ASSEMBLY, 1X4, OSFP



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5353999-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5353999-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5353999-3_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Fine Pitch Stacking Connectors - 0.8mm Free Height (FH) Connectors

English

Product Specifications

Product Specification

English

Product Specification

English