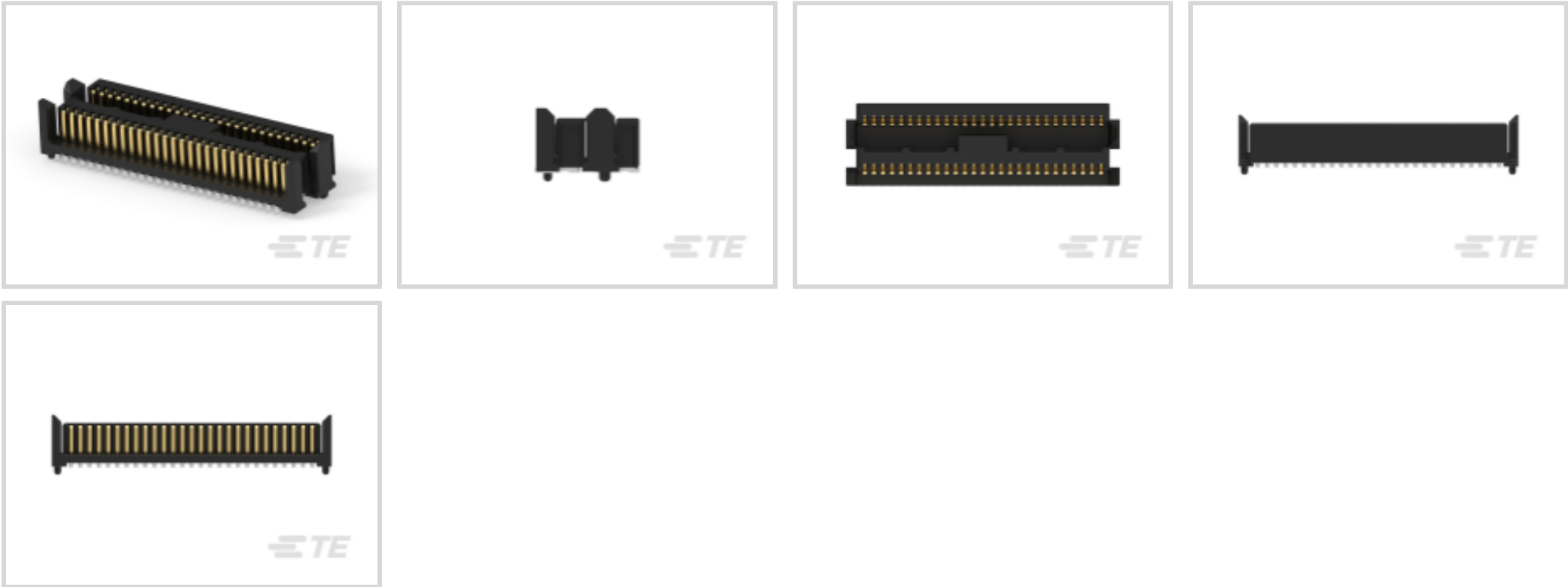




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Hermaphroditic Connector**

PCB Mount Orientation: **Vertical**

Connector System: **Board-to-Board**

Number of Positions: **54**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Hermaphroditic Connector
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Stacking Configuration	Stack Through
Number of Loaded Positions	54
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	54
Number of Rows	2
Board-to-Board Configuration	Parallel

Electrical Characteristics



Dielectric Withstanding Voltage (Max)	500 Vrms
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Body Features

Primary Product Color	Black
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Contact Features

Contact Layout	Matrix
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Hermaphroditic
Contact Current Rating (Max)	1.6 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
PCB Mount Retention Type	Location Peg
Mating Alignment	With
PCB Mount Retention	Without
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	24.1 mm[.949 in]
Connector Height	4.55 mm[.179 in]
Connector Width	7.3 mm[.287 in]
Stack Height	5 mm[.197 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-50 – 125 °C[-58 – 257 °F]

Operation/Application



Circuit Application	Power & Signal
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Industry Standards

Agency/Standard	DIN, UL
Approved Standards	UL
Industry Standard	IEC
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Reel Diameter	330 mm[12.99 in]
Packaging Quantity	800
Packaging Type	Tape & Reel

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	Not Yet Reviewed
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 reviewed 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



Also in the Series | ERNI MicroStac



Customers Also Bought



Documents

Product Drawings

MICROS STV 54 9999 188 9999 0007 J 3 484

English

CAD Files

Customer View Model

ENG_CVM_CVM_484438-E_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_484438-E_1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_484438-E_1.3d_igs.zip

English

3D PDF



3D

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

- Datasheets & Catalog Pages
- Datasheet - ERNI MicroStac 0.8mm Connectors
- English
- Datasheet - ERNI MicroStac 0.8mm Connectors
- German
- Datasheet - ERNI MicroStac 0.8mm Connectors