

484438-E ✓ ACTIVE

ERNI | ERNI MicroStac

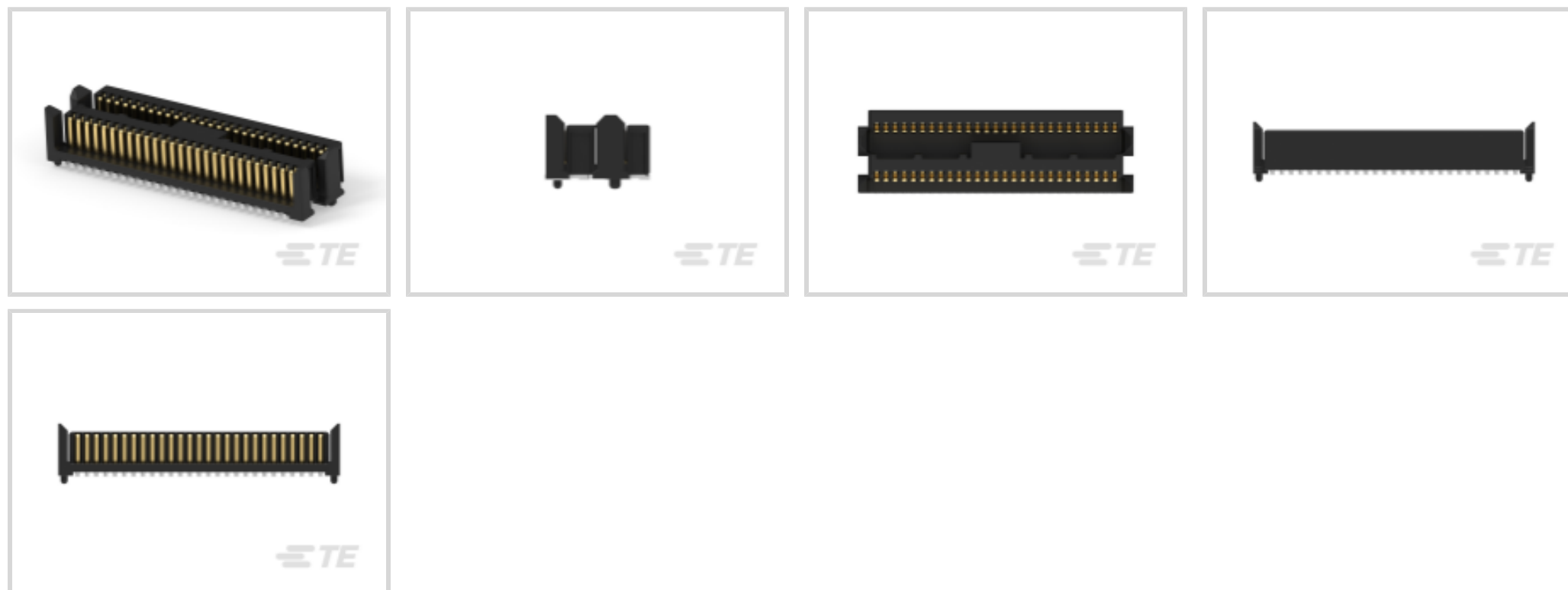
TE Internal #: 484438-E

PCB Mount Hermaphroditic Connector, Vertical, Board-to-Board,  
54 Position, .8 mm [.031 in] Centerline, Fully Shrouded, Gold (Au),  
ERNI MicroStac

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

Termination Method to Printed Circuit Board	Surface Mount
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### Mechanical Attachment

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

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

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

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



Circuit Application	Power & Signal
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### Industry Standards

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

Packaging Reel Diameter	330 mm[12.99 in]
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Packaging Quantity	800
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Packaging Type	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	Not Yet Reviewed
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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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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	Not reviewed for solder process capability
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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



Also in the Series | ERNI MicroStac



Customers Also Bought





## Documents

### Product Drawings

[MICROS STV 54 9999 188 9999 0007 J 3 484](#)

English

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### 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.

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### Datasheets & Catalog Pages

[Datasheet - ERNI MicroStac 0.8mm Connectors](#)

English

[Datasheet - ERNI MicroStac 0.8mm Connectors](#)

German

[Datasheet - ERNI MicroStac 0.8mm Connectors](#)