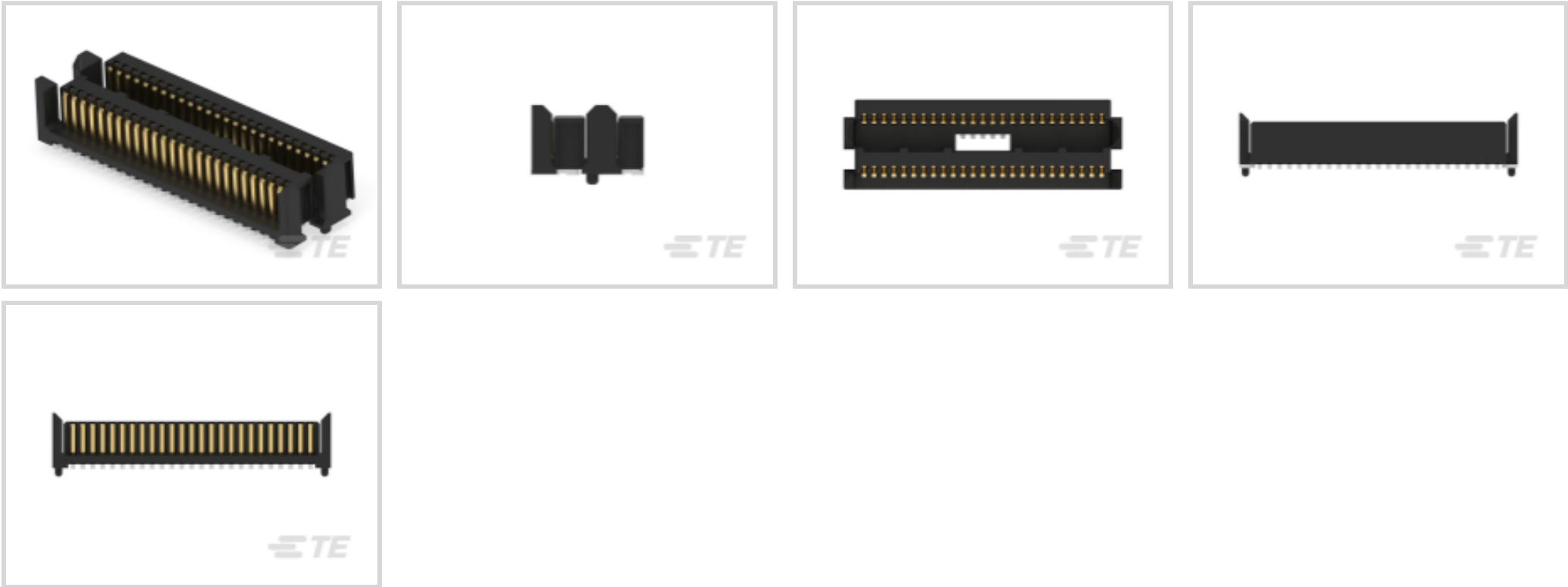




Connectors > PCB Connectors > PCB Headers & Receptacles



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

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

Number of Positions: **50**

Number of Rows: **2**

Centerline (Pitch): **.8 mm [.031 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	25
Number of Loaded Positions	50
Stacking Configuration	Stack Through
Stackable	Yes
Number of Positions	50
Number of Rows	2



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

Termination Features

Termination Method to PCB	Surface Mount
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Mechanical Attachment

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

Housing Features

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

Dimensions

Connector Width	7.25 mm[.285 in]
Connector Height	4.55 mm[.179 in]
Connector Length	22.5 mm[.886 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

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

Packaging Features

Packaging Reel Diameter	330 mm[12.99 in]
Packaging Quantity	800
Packaging Method	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	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: FEB 2026 (253) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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

TE Part # 244313-E
MICROS STV 50 407 188 ELPO 0007 J 3 2443

TE Part # 114712-E
MICROS STV 12 407 188 * 0007 J 3 114712

TE Part # 114711-E
MICROS STV 6 407 188 * 0007 J 3 114711 M

TE Part # 284257-E
MICROS STV 14 407 188 * 0007 J 3 284257

Also in the Series | ERNI MicroStac

Board-to-Board Headers & Receptacles(9)

PCB Headers & Receptacles(9)

Rectangular Power Connectors(9)

Customers Also Bought

TE Part #114711-E
MICROS STV 6 407 188 * 0007 J 3 114711 M

TE Part #8-338069-4
MICRO-MATCH SMD FTE

TE Part #4-1676480-2
CRG0402 1% 2K0

TE Part #5-1879216-7
CPF 0402 205K 0.1% 25PPM 1K RL

TE Part #1879225-9
CPF 0603 47K5 0.1% 25PPM 1K RL

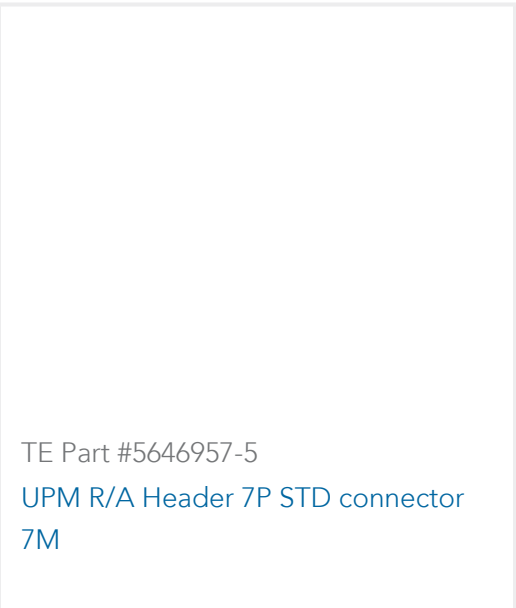
TE Part #2-2176341-7
CRGCQ 0805 1K5 1%

TE Part #7-2176422-6
TLRP 2512 3.0W R100 1% 50PPM 4K RL

TE Part #5-2176614-1
EP 10W (SS) 120R 5% BULK BOX



TE Part #5146888-1
[1FHP,64,30A/S,S,C,S10,12,13,15](#)



TE Part #5646957-5
[UPM R/A Header 7P STD connector 7M](#)

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_114713-E_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_114713-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_114713-E_1.2d_dxf.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