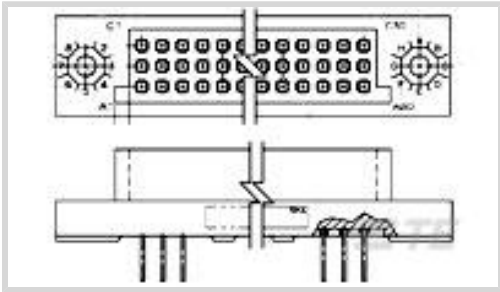


TE Internal #: 531134-8
PCB Mount Receptacle, Vertical, Board-to-Board, 240 Position, 2.54 mm [.1 in] Centerline, Gold (Au), Through Hole - Solder, Signal, Brown, Package

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Receptacle**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **240**

Number of Rows: **3**

Features

Product Type Features

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

Configuration Features

Stackable	No
PCB Mount Orientation	Vertical
Number of Positions	240
Number of Rows	3

Body Features

Primary Product Color	Brown
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Contact Features

Contact Mating Area Plating Material Thickness	1.27 μm[50 μin]
Mating Square Post Dimension	.64 mm[.025 in]
	50 μin
Contact Layout	Matrix
Contact Base Material	Beryllium Copper
PCB Contact Termination Area Plating Material	Tin-Lead



Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	3 A

Termination Features

Rectangular Termination Post & Tail Width	.43 mm[.017 in]
Rectangular Termination Post & Tail Thickness	.36 mm[.014 in]
Termination Post & Tail Length	4.95 mm[.195 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarized
PCB Mount Retention Type	Mounting Hole
PCB Mount Retention	Without
Connector Mounting Type	Panel Mount
Mating Alignment	With

Housing Features

Housing Material	Polyphenylene Sulfide (PPS)
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
Stack Height	15.24 mm[.6 in]
PCB Thickness (Recommended)	2.44 mm[.096 in]
Connector Height	11.43 mm[.45 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Package



Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (4% in plating) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste capable to 260°C

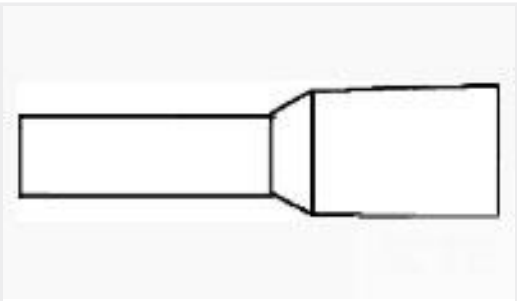
Product Compliance Disclaimer

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>

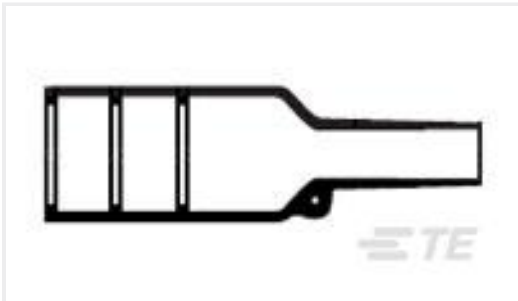
Compatible Parts



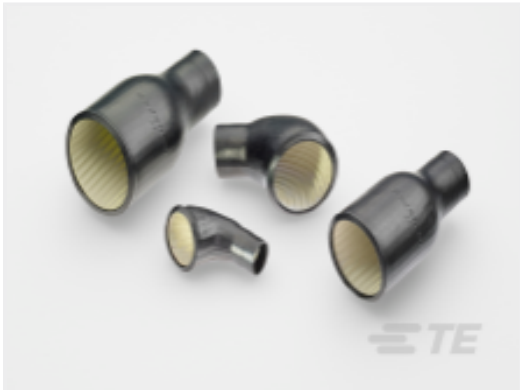
Customers Also Bought



TE Part #1-966067-0
[FER,WIRE,PL SLV,1.00/18,L10,RED,LP](#)



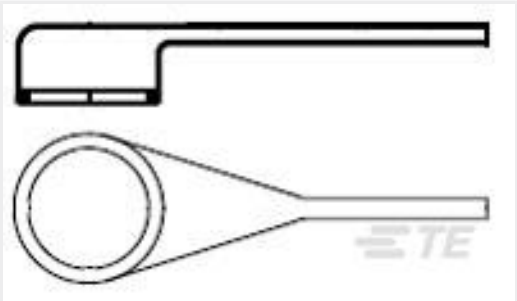
TE Part #167194-000
[202K121-3/86-0](#)



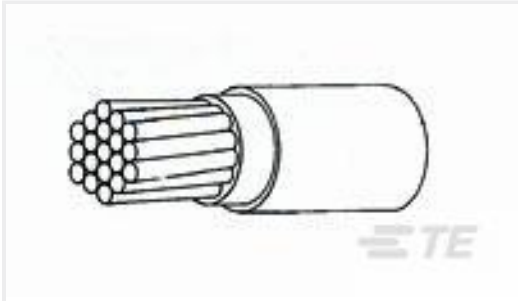
TE Part #EK7301-000
[222S121-25C-0](#)



TE Part #5053164039
[RNF-100-3/8-4-SP](#)



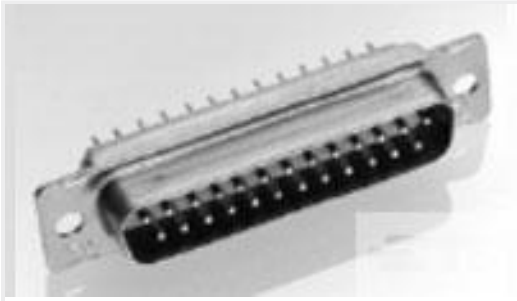
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[222D921-25/225-0](#)



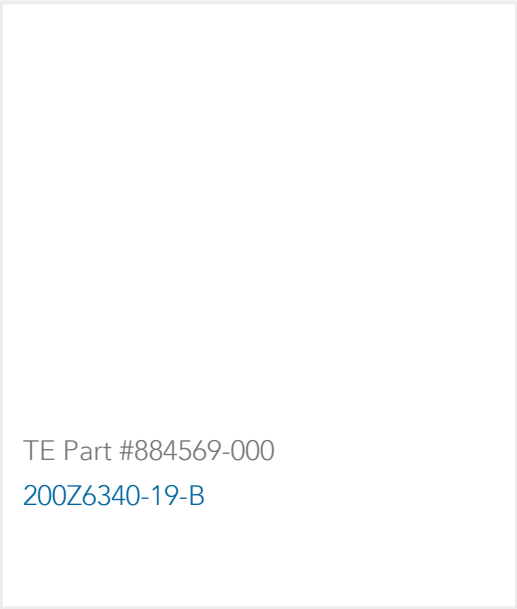
TE Part #282042-014
[44A0111-24-2](#)



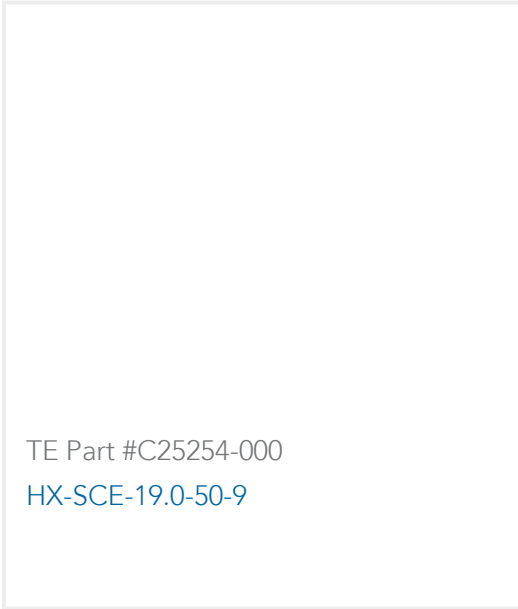
TE Part #5053364021
[RNF-100-1-1/2-4-SP](#)



TE Part #204540-2
[AMPLIMITE,ASY,RCPT,FB,90,3,CONT](#)



TE Part #884569-000
[200Z6340-19-B](#)



TE Part #C25254-000
[HX-SCE-19.0-50-9](#)

Documents

Product Drawings

[3ROW BOX REC 240P 100CL UNSEAL](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_531134-8_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_531134-8_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_531134-8_H.3d_stp.zip](#)

English

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Product Specifications

531134-8

PCB Mount Receptacle, Vertical, Board-to-Board, 240 Position, 2.54 mm [.1 in]
Centerline, Gold (Au), Through Hole - Solder, Signal, Brown, Package



Application Specification

English