

2169859-1  ACTIVE

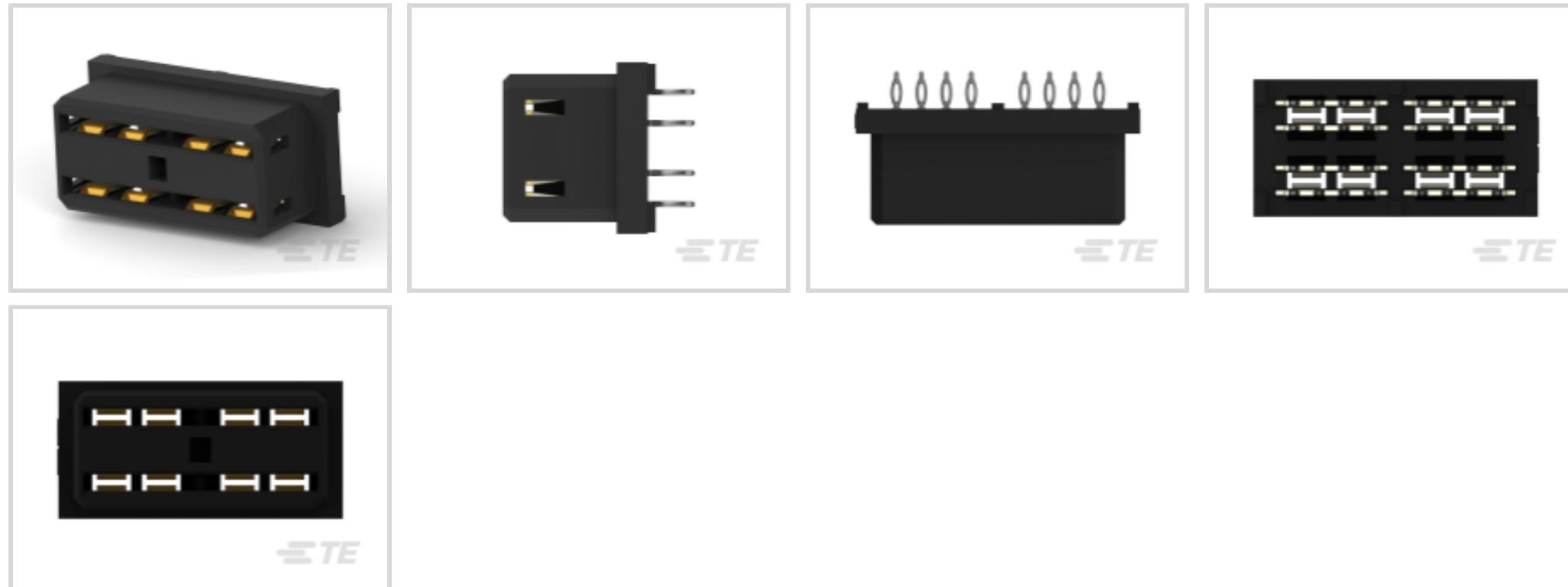
TE Internal #: 2169859-1

Backplane Power Connectors, PCB Mount Receptacle, Board-to-Board, 4 Position, Vertical, Orthogonal, 5.2 mm [.205 in] Centerline, Printed Circuit Board

[View on TE.com >](#)



Connectors > Power Connectors > Backplane Power Connectors



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

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

Number of Positions: **4**

PCB Mount Orientation: **Vertical**

Backplane Architecture: **Orthogonal**

## Features

### Product Type Features

PCB Connector Assembly Type	PCB Mount Receptacle
Connector System	Board-to-Board
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Columns	2
Number of Positions	4
PCB Mount Orientation	Vertical
Backplane Architecture	Orthogonal
Stackable	No

### Electrical Characteristics

Operating Voltage	48 VDC
-------------------	--------

### Contact Features

Contact Current Rating (Max)	25 A
------------------------------	------

### Termination Features

Termination Post & Tail Length	2.5 mm [.098 in]
--------------------------------	------------------

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
---	--------------------------

#### Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------

#### Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
------------------	------------------------------

Housing Color	Black
---------------	-------

Centerline (Pitch)	5.2 mm [.205 in]
--------------------	------------------

#### Dimensions

PCB Thickness (Recommended)	1.6 mm [.062 in]
-----------------------------	------------------

PCB Hole Diameter	.73 mm [.029 in]
-------------------	------------------

#### Usage Conditions

Operating Temperature Range	-55 - 85 °C [-67 - 185 °F]
-----------------------------	----------------------------

#### Operation/Application

Circuit Application	Power
---------------------	-------

#### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

#### Packaging Features

Packaging Method	Package
------------------	---------

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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	No Restricted Materials Above Threshold
---	---

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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
---------------------------	--

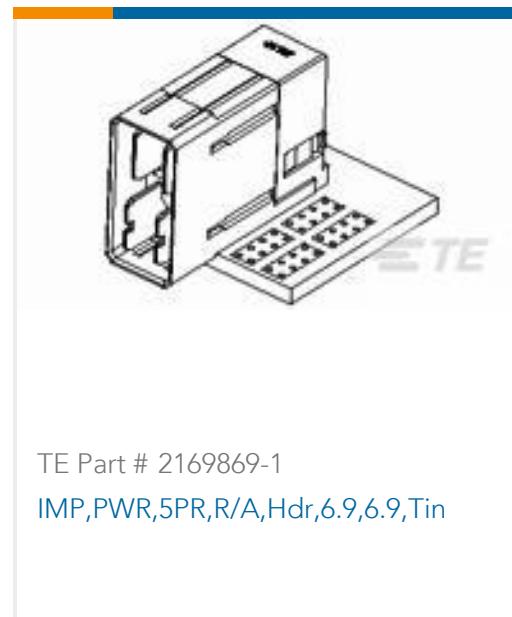
## Product Compliance Disclaimer

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

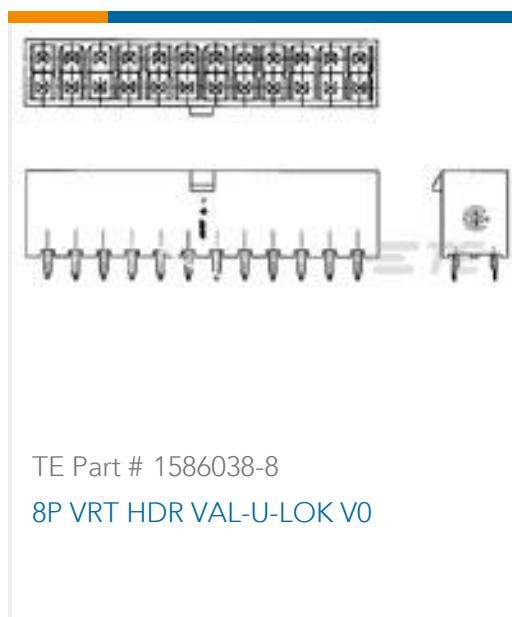


TE Part # 2-2169869-2  
AIMP,POWER,5PR,R/AH,5.7,5.7,TIN



TE Part # 2169869-1  
IMP,PWR,5PR,R/A,Hdr,6.9,6.9,Tin

## Customers Also Bought



TE Part # 1586038-8  
8P VRT HDR VAL-U-LOK V0



TE Part # 1456549-1  
HDR ASSY,26P RA, RXIT, KEY AE, w/POST



TE Part # 3-2232044-2  
2P, RAST 5 Tab Header, THV



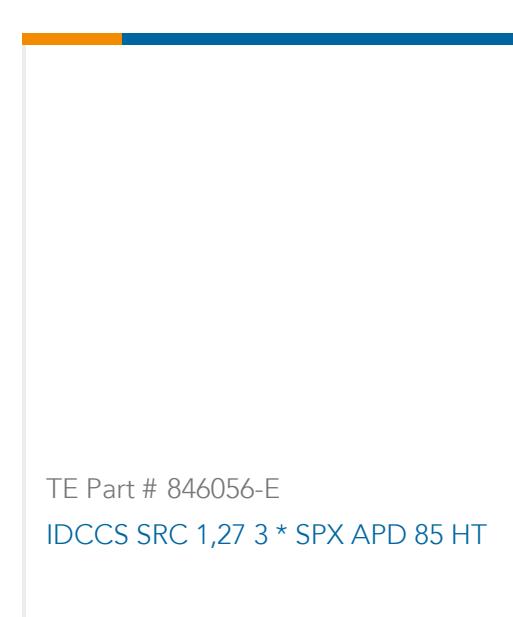
TE Part # 2035239-1  
HDR ASY, 54P, VRT, SMT LAC, GEN Y, KEY A-E



TE Part # 2118016-2  
PCB ANTENNAS, WLAN DUAL BAND T&R PKG



TE Part # 2176383-1  
RQ 1206 10R 0.1% 10PPM 1K RL



TE Part # 846056-E  
IDCCS SRC 1,27 3 \* SPX APD 85 HT



TE Part # 1703339-3  
1POS, FAKRA II, JACK, PIN HSG, ASSY, CODC

## Documents

## Product Drawings

[IMP,Power,5PR,VR,Tin](#)

English

**CAD Files**[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2169859-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2169859-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2169859-1\\_A.3d\\_stp.zip](#)

English

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

English