

2180490-1 ✓ ACTIVE

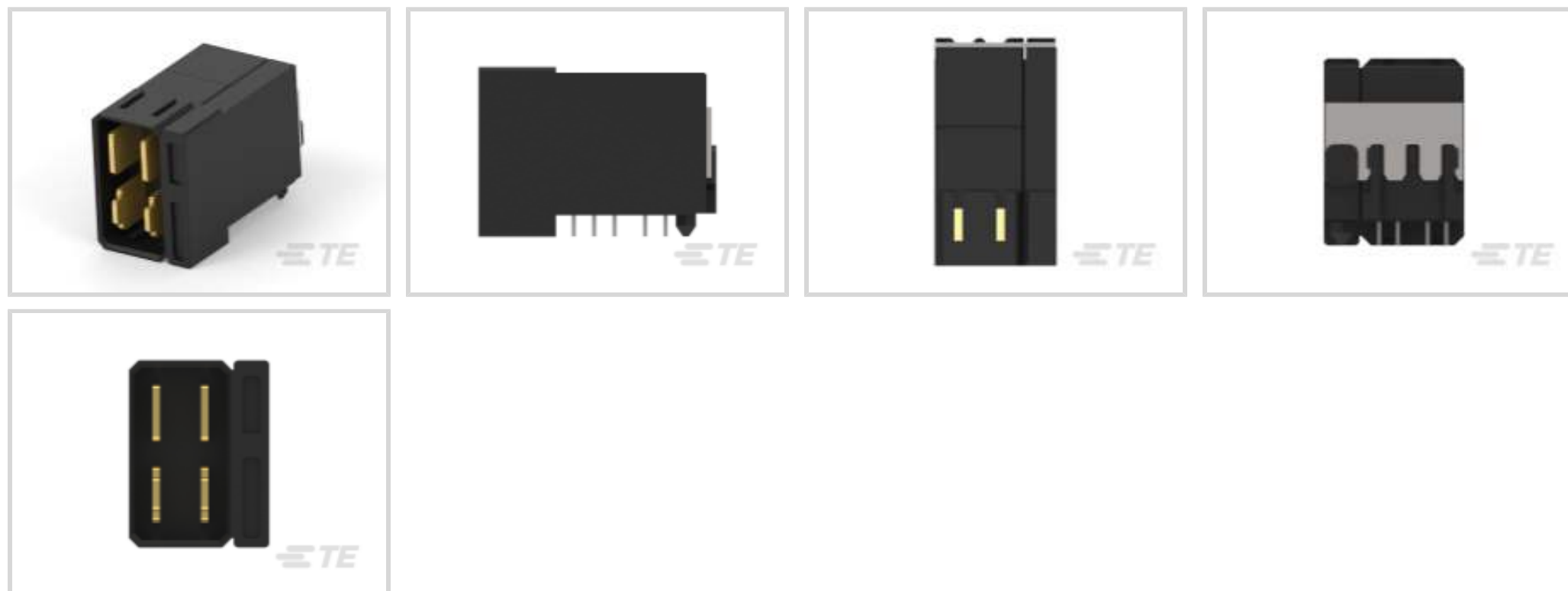
TE Internal #: 2180490-1

Rectangular Power Connectors, Header, Housing for Male  
Terminals, Board-to-Board, 4 Position, 5.2 mm [.2 in] Centerline,  
Printed Circuit Board

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Housing for Male Terminals**

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

Number of Positions: **4**

Centerline (Pitch): **5.2 mm [.2 in]**

## Features

### Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Housing for Male Terminals
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	4
PCB Mount Orientation	Right Angle
Number of Power Positions	4
Number of Rows	2
Board-to-Board Configuration	Co-Planar, Perpendicular

### Electrical Characteristics

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



### Contact Features

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
Contact Current Rating (Max)	20 A
Contact Retention Within Housing	With
Contact Type	Blade
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 $\mu\text{m}$ [30 $\mu\text{in}$ ]

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

Centerline (Pitch)	5.2 mm[.2 in]
Housing Color	Black
Housing Material	Glass Filled Thermoplastic

### Dimensions

Row-to-Row Spacing	8.13 mm[.32 in]
--------------------	-----------------

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

Agency/Standard	UL
UL Flammability Rating	UL 94V-0

### Packaging Features

Packaging Method	Tray
------------------	------

### 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	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 applicable 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 # 2169809-1  
IMP,Power,4PR,VR,Tin

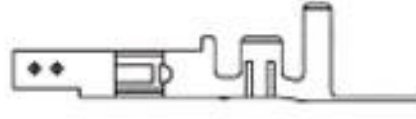
### Customers Also Bought



TE Part #2061433-1  
FOAC FULLAXS BULKHEAD ASSEMBLY



TE Part #34854  
TERMINAL,PG R 12-10 10



TE Part #1586315-2  
VAL-U-LOK SKT BR AU 24-18 LP



TE Part #1623930-3  
CFR25 5% 10K



## Documents

### Product Drawings

[IMP,PWR,4PR,HDR,R-HLD,1X,802-1,N/A](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2180490-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2180490-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2180490-1\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[2-1773457-5\\_Impact\\_Power\\_Connectors](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

### Agency Approvals

[UL](#)

English