

5787446-1 ✓ ACTIVE

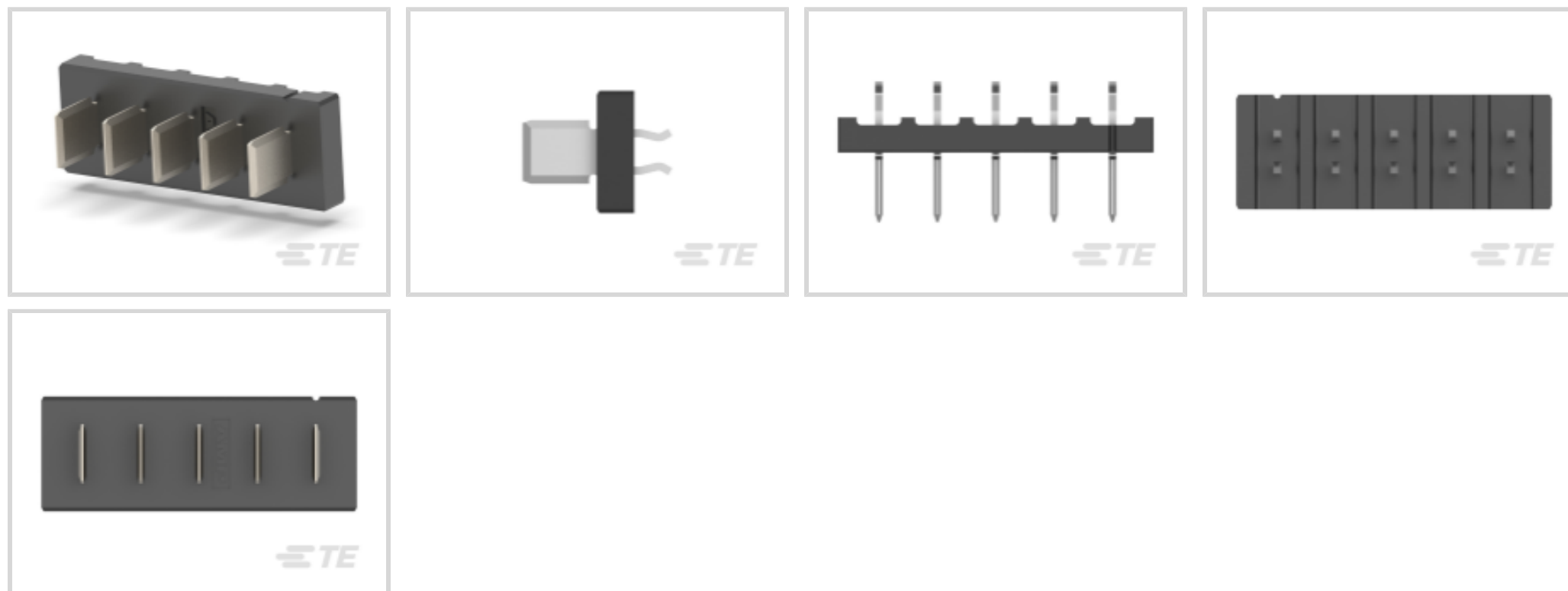


TE Internal #: 5787446-1

DC Jack Connectors, Board-to-Board, 5 Position, 5 mm [.197 in]  
Centerline, Plug, 50 VDC, Vertical, Printed Circuit Board, Power &  
Signal, Board Mount

[View on TE.com >](#)

Connectors > PCB Connectors > Battery Connectors & Holders > DC Jack Connectors



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

Number of Positions: **5**

Centerline (Pitch): **5 mm [.197 in]**

Connector & Housing Type: **Plug**

Operating Voltage: **50 VDC**

## Features

### Product Type Features

Connector System	Board-to-Board
Connector & Housing Type	Plug
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	5
PCB Mount Orientation	Vertical

### Electrical Characteristics

Operating Voltage	50 VDC
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### Contact Features

Contact Mating Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	8.8 A



### Mechanical Attachment

PCB Mount Retention	Without
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	5 mm [.197 in]
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### Usage Conditions

Operating Temperature Range	-30 – 70 °C [-22 – 158 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Packaging Features

Packaging Quantity	121
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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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



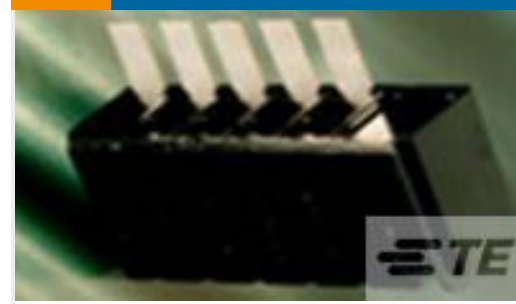
TE Part # 5787422-1  
HDR ASY,RA,RKEY,STR TAIL,12.0V



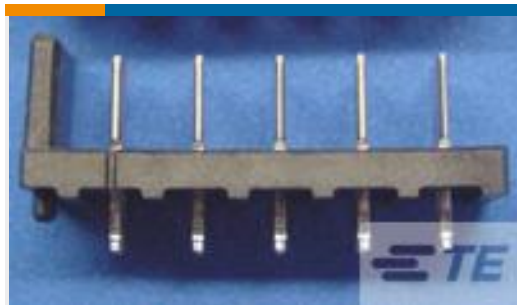
TE Part # 5787421-1  
HDR ASY,VERT,RET TAIL,10.8V



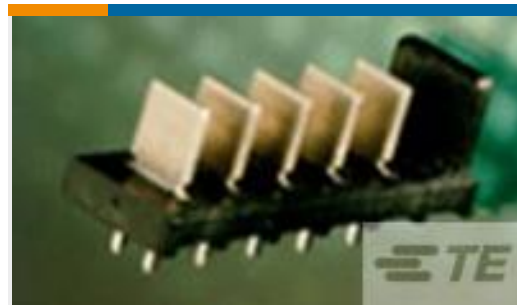
TE Part # 5787430-1  
HDR ASY,VERT,STR TAIL,12.0V



TE Part # 5146800-1  
BATT INT,KEYLESS,5P,7.2V



TE Part # 5787419-1  
HDR ASY,VERT,STR TAIL,10.8V



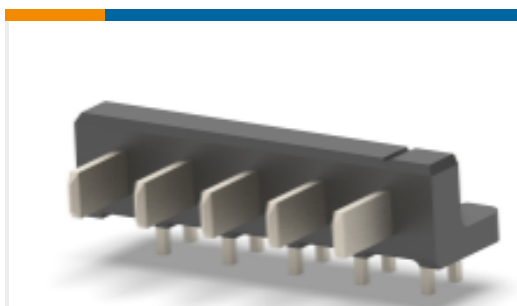
TE Part # 5787334-1  
HDR ASY,VERT,STR TAIL,7.2V



TE Part # 5787428-1  
HDR ASY,RA,LKEY,STR TAIL,12.0V

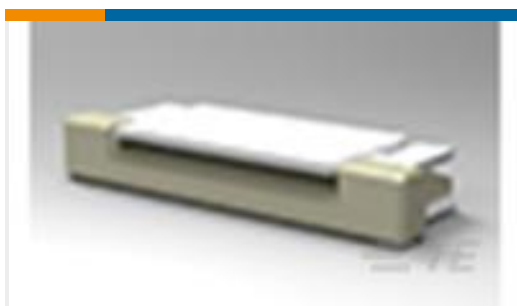


TE Part # 5787443-1  
HDR ASY,RA,NO KEY,RET TAIL



TE Part # 5787441-1  
HDR ASY,RA,NO KEY,STR TAIL

## Customers Also Bought



TE Part #4-1734839-5  
FPC CONN. 0.5MM PITCH T/C,45P



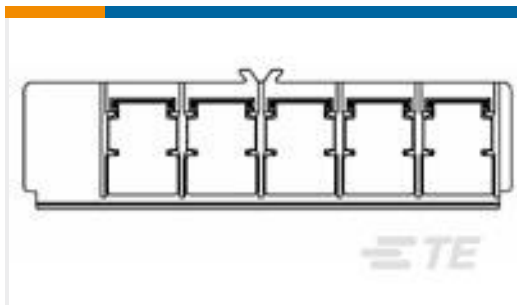
TE Part #2176057-6  
RLP73V 3A R016 1% 1K RL



TE Part #8-1622824-4  
RL73H 3A R27 1% 1K RL



TE Part #5-103672-5  
06 MTE HDR SRRA LATCH W/HLDWN



TE Part #787613-1  
BAT INT,INSR ASY W/TAB,5P,7.2V



TE Part #6318790-1  
PLUG ASSY,PB-FREE,2.5 SLIM  
BATTERY OFF-S



TE Part #1-1734248-4  
1.0 FPC, ZIF V/T, SMT, 14P



TE Part #5-103672-7  
08 MTE HDR SRRA LATCH W/HLDWN



## Documents

### Product Drawings

[HDR ASY,VERT,NO KEY,RET TAIL](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_5787446-1\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5787446-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5787446-1\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC09\\_LAPTOPS\\_PORTABLES](#)

English

[2\\_PIECE\\_POWER\\_CONNECTORS\\_qrg\\_4-1773458-1](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[MD\\_5787446-1\\_08092017642\\_dmtec](#)

English

[MD\\_5787446-1\\_08092017642\\_dmtec](#)

English