

5787430-1 ✓ ACTIVE

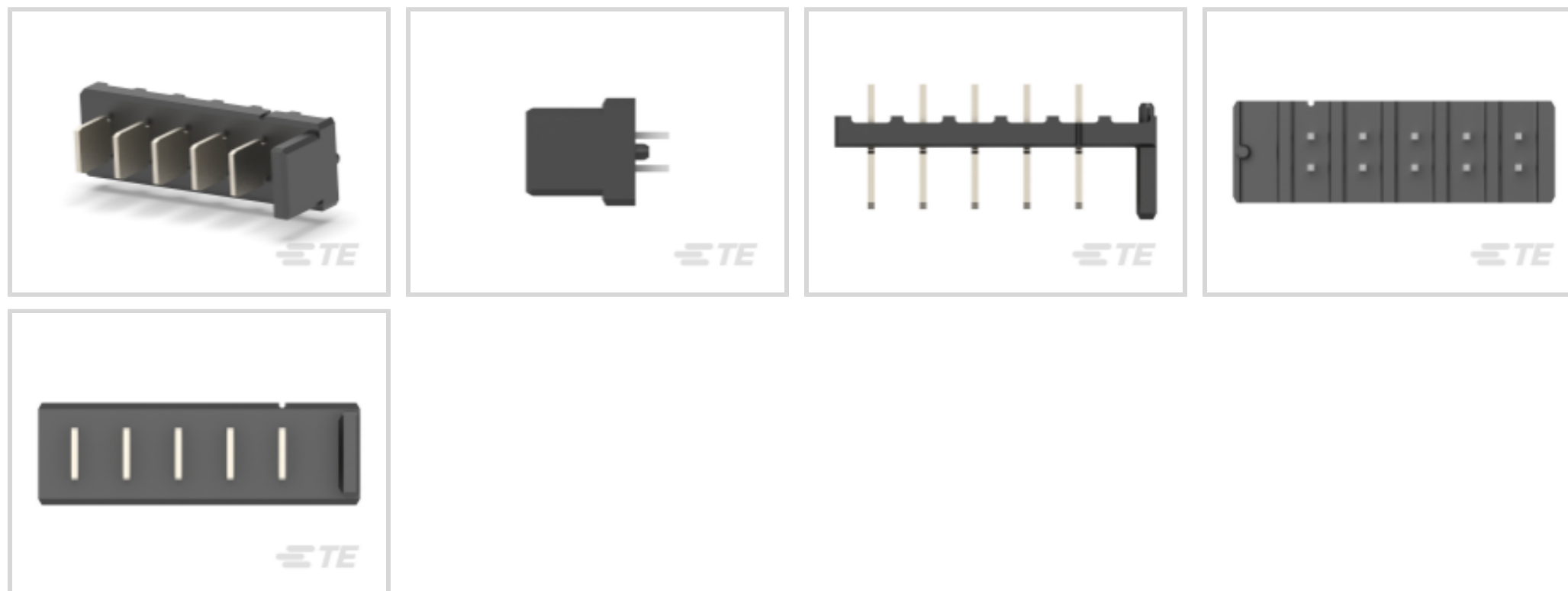


TE Internal #: 5787430-1

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	With
PCB Mount Retention Type	Locating Post
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	120
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

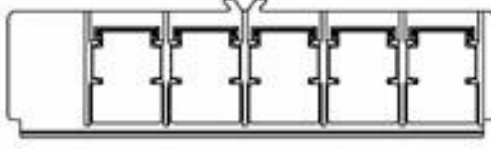
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



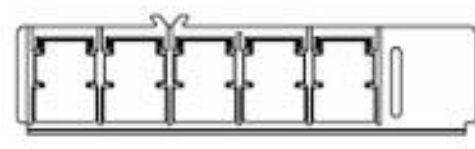
TE Part # 5787446-1  
HDR ASY,VERT,NO KEY,RET TAIL



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



TE Part # 146845-1  
BATT INT,KEYLESS,5P,7.2V



TE Part # 787614-1  
BAT INT,INS ASY W/TAB,5P,10.8V



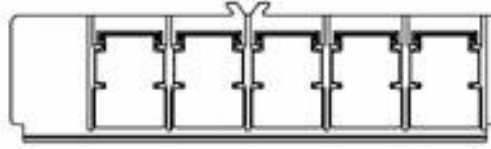
TE Part # 5787141-1  
HDR ASY,RA,RKEY,RET TAIL,7.2V



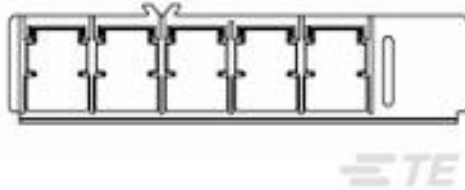
TE Part # 787328-1  
BATT INT,INSERT ASSY,5P,7.2V



TE Part # 787439-1  
BATT INT,INSERT ASSY,5P,12.0V



TE Part # 787615-1  
BAT INT,INS ASY W/TAB,5P,12.0V



TE Part # 5787802-1  
BATT RCPT ASSY,5P,10.8V



TE Part # 5796078-1  
HDR ASSY,RA,KEYLESS,5POS



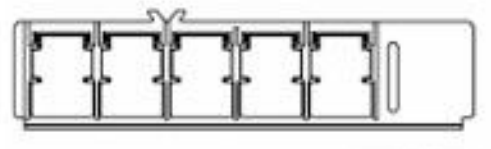
TE Part # 5787590-1  
BATT INT,INSERT ASSY,5P,7.2V



TE Part # 5787366-1  
HDR ASY,RA,RKEY,STR TAIL,12.0V



TE Part # 5787142-1  
HDR ASY,RA,RKEY,STR TAIL,7.2V



TE Part # 5787590-2  
BATT INT,INSERT ASSY,5P,7.2V

## Customers Also Bought



TE Part #1-5747871-6  
09 PLUG SP/FMS SCRLK



TE Part #5788798-1  
15 HTMSFL ASSY RA 318 (IN,BL)



TE Part #1734592-8  
FPC CONN. 0.5MM PITCH B/C, 8P



TE Part #1-5103310-0  
A/L LOW PRO HDR 50P RA BLACK



TE Part #5-104068-6  
60 SYSTEM 50 HDR DRST SHRD



TE Part #1-640445-3  
13P MTA156 HDR ASSY FL/STR SN



TE Part #7-1879213-1  
CPF 0402 158R 0.1% 25PPM 1K RL



TE Part #5-146128-4  
06 MODII HDR SR SFMNT B/A .100

## Documents

### Product Drawings

[HDR ASY,VERT,STR TAIL,12.0V](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5787430-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5787430-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5787430-1\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

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

English

[1-1773718-4\\_POWER\\_CONNECTORS\\_QRG\\_CN](#)

[1-1773718-5\\_POWER\\_CONNECTORS\\_QRG\\_TCN](#)

[1-1773718-6\\_POWER\\_CONNECTORS\\_QRG\\_JA](#)

Japanese

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



English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[MD\\_5787430-1\\_111320172143\\_dmtec](#)

English

[MD\\_5787430-1\\_111320172143\\_dmtec](#)

English