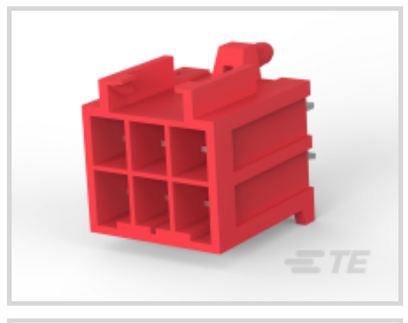
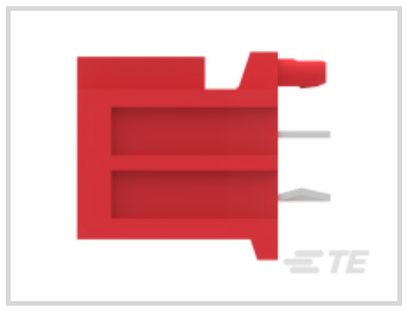
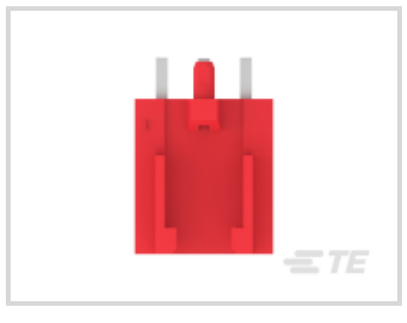
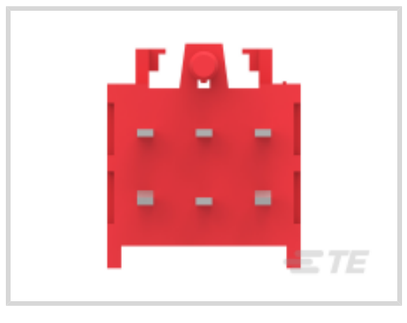
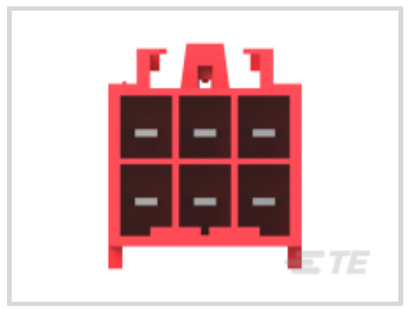
179841-2 ✔ ACTIVE

TE Internal #: 179841-2

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 6 Position, 3.96mm [.156in] Centerline, Printed Circuit Board, UL 94V-0

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors > STD Temp Power Double Lock Header

Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **6**

Centerline (Pitch): **3.96 mm [.156 in]**

All STD Temp Power Double Lock Header (22)

Features

Product Type Features

Header Type	Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	6
PCB Mount Orientation	Vertical
Number of Power Positions	6
Number of Rows	2

Electrical Characteristics

Operating Voltage	50 VAC

Contact Features

Contact Layout	Matrix
Contact Current Rating (Max)	14 A
Contact Retention Within Housing	Without
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Termination Area Plating Thickness	1 µm[39.37 µin]

Termination Features

Termination Post & Tail Length	3.8 mm[.148 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Post
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Red
Housing Material	Nylon 6/6 GF

Dimensions

Insulation Diameter (Max)	3.1 mm[.122 in]
Wire Size	.128 – 1.308 mm^2
Row-to-Row Spacing	4.6 mm[.181 in]
Width	13.6 mm
PCB Thickness (Recommended)	.06 mm[1.6 in]
Height	14.6 mm

Length	14.8 mm

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
VDE Tested	Yes

Packaging Features

Packaging Method	Box
Packaging Quantity	272

Other

For Use With	Plug: 177901

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # CAT-P87024-R2435
Power Double Lock Receptacle



TE Part # CAT-P87024-P729
STD Temp Power Double Lock Plug

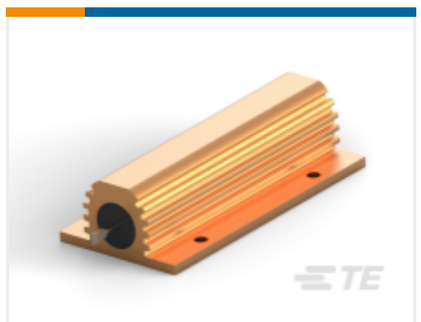


TE Part # CAT-P87024-P729A
Glow Wire Power Double Lock Plug

Customers Also Bought



TE Part #1735482-2
Free Height Receptacle Conn: Board-Board, Vertical, 60, 0.8mm



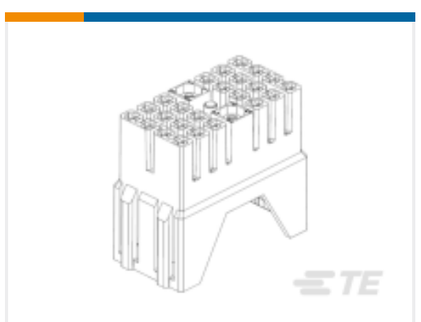
TE Part #3-1630027-2
Power Resistors: Aluminum Housed, HSC



TE Part #926895-7
UNIVERSAL M-N-L SOCKET



TE Part #1614770-4
Resistor Power BDS2A250



TE Part #284874-1
24 POS PLUG HOUSING ASS'Y



TE Part #4-1393243-2
RT423024



TE Part #55992-1
AMPOWER TERMINAL 2 STUD HOLES



TE Part #1241390-2
AMP MCP, RECEPTACLE AND TAB



TE Part #ASA158F12390235000
623 PLUG



TE Part #ZPF000000000205388
CONTACT FEMALE CAL.20, M12 - FXP

Documents

Product Drawings

AMP POWER D/LOCK T/HDR ASSY 6P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_179841-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_179841-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_179841-2_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English

AMP POWER DOUBLELOCK CONNECTOR SERIES

English

Agency Approvals

UL Report

English