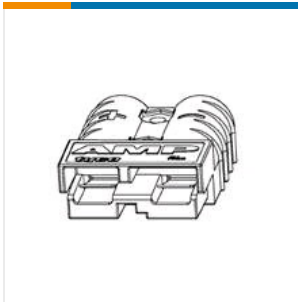




RECTANGULAR POWER CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE) SERIES 50 HOUSING,RED POWER SERIES

647845-3
TE Internal Number: 647845-3

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug/Receptacle**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Number of Positions **2**

Product Drawings

[CONNECTOR ASSEMBLY, AMP POWER SERIES 50](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
English

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Catalog Pages/Data Sheets

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

PDF
English

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

PDF
English

Product Specifications

Application Specification

[Power Series 50 Connector Assemblies](#)

PDF
English

Engineering Report

[AMP Power Series 50 And 75 Connectors](#)

TIF
English

[AMP Power Series 50 And 75 Connectors](#)

PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Product Type	Housing
	Housing Type	Plug/Receptacle
	Contact Type	Pin or Socket

Configuration Features	Number of Positions	2
------------------------	---------------------	----------

Electrical Characteristics	Operating Voltage (VAC)	600
	Operating Voltage (VDC)	600

Termination Features	Wire/Cable Size (AWG)	12 – 6
	Wire/Cable Size (mm ²)	3.085 – 14
	Wire/Cable Size (CMA)	6088 – 27629
	Wire Type	Stranded
	Wire/Cable Type	Discrete Wire

Mechanical Attachment	Panel Mount Retention	Without
-----------------------	-----------------------	----------------

Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	Red
	Housing Material	Polycarbonate

Dimensions	Length	48.23 mm [1.9 in]
	Height	15.88 mm [.625 in]
	Accepts Wire Insulation Diameter Range	10 mm [.394 in]
	Width	35.05 mm [1.38 in]

Usage Conditions	Sealed Condition	Not Sealed
------------------	------------------	-------------------

Operation/Application	Connector System	Wire-to-Wire
	Applies To	Wire/Cable
	Circuit Application	Power

Industry Standards	UL Rating	Recognized
	Agency/Standard	UL
	Agency/Standard Number	E28476

Packaging Features

Packaging Method

Bag

Packaging Quantity





157

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>POWER CONTACTS</p>  <p>SERIES 50 & 75 CONTACT, 6 AWG 647877-1</p> <p>Save to List Find Similar Products</p>	<p>POWER CONTACTS</p>  <p>SERIES 50 & 75 CONTACT, 8 AWG 647878-1</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>SERIES 50 HOUSING, GRAY 647845-4</p> <p>Save to List Find Similar Products</p>	<p>POWER CONTACTS</p>  <p>III+ SKT, 24-20, TIN, LP 66565-7</p> <p>Save to List Find Similar Products</p>
---	---	---	---