



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

5mm B-T-W Conn. 6P HDR ASSEMBL

AMP | Power Double Lock

1-1376385-2

TE Internal Number: 1-1376385-2

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Receptacle**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **8**

Active

PRODUCT DRAWING
English

3D PDF

Product Drawings

5.0 POWER KEY CONNECTOR 4P HEADER ASSEMBLY

PDF
English

5.0 POWER KEY CONN. 6P HDR ASS'Y

PDF (TIFF AVAILABLE)
English

5.0 POWER KEY CONN. 6P HDR ASS'Y

PDF (TIFF AVAILABLE)
English

CAD Files

Customer View Model

2D_DXF.ZIP
English

3D PDF

PDF
3D

Customer View Model

3D_IGS.ZIP
English

Customer View Model

3D_STP.ZIP
English

Catalog Pages/Data Sheets

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

PDF
English

Product Specifications

Product Specification

5.0 POWER KEY CONNECTOR

PDF
English

Application Specification

5.0 POWER KEY CONNECTOR

PDF
Japanese

5.0 POWER KEY CONNECTOR

TIF
Japanese

Qualification Test Report

5.0 PKC. QUALIFICATION TEST REPORT

5.0 PKC QUALIFICATION TEST REPORT
TIF
Japanese

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	Header
	Housing Type	Receptacle
	Contact Type	Pin, Tab
	Header Type	Shrouded

Configuration Features	Number of Positions	6
	Centerline	5 mm [.197 in]
	PCB Mounting Orientation	Vertical
	Number of Rows	1
	Contact Layout	Inline

Electrical Characteristics	Contact Current Rating (A)	8
	Operating Voltage (VAC)	300

Contact Features	Contact Termination Area Plating Material	Tin
	Contact Mating Area Plating Material	Tin
	Contact Mating Area Plating Thickness	1 µm [39.37 µin]
	Contact Base Material	Copper Alloy
	Contact Termination Area Plating Thickness	1 µm [39.37 µin]

Termination Features	Termination Method to PC Board	Through Hole - Press-Fit
	Termination Post/Tail Length	3.5 mm [.138 in]

Mechanical Attachment	Mating Alignment	Without
	Mating Retention	With
	PCB Mount Retention	With
	PCB Mount Retention Type	Mounting Post/Kinked Legs
	PCB Mount Alignment	Without
	Mating Retention Type	Latch

Housing Features	UL Flammability Rating	UL 94V-0
	Housing Color	Red
	Housing Material	Nylon 6/6 GF
Dimensions	Mating Post Length	6.3 mm [.248 in]
	Width	14.1 mm [.555 in]
	Height	14.1 mm [.55 in]
	PCB Thickness (Recommended)	1.6 mm [.063 in]
	Length	31.6 mm [1.244 in]
Usage Conditions	Sealed Condition	Not Sealed
Operation/Application	Connector System	Wire-to-Board
	Applies To	Printed Circuit Board
	Operating Temperature	-30 – 105 °C [-22 – 221 °F]
	Circuit Application	Signal/Power
Industry Standards	Glow Wire Rating	Standard Part - Not Glow Wire
	Agency/Standard Number	E28476
	UL Rating	Recognized
	CSA File Number	LR7189
	Agency/Standard	CSA, UL
Packaging Features	Packaging Method	Bag
	Packaging Quantity	100
Other	For Use With	Plug Housing
	Selectively Loaded	No
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

Products - 1 Results

[View All](#)

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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors
AMP I Power Double Lock

**5MM POWER KEY 6P
PLUG HSG RED**

- 1-1376391-2

TE INTERNAL NUMBER: 1-1376391-2

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Housing**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Wire/Cable**

Contact Current Rating **10 A**

