



## RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

### 10P MTA156 HDR ASSY FL/STR SN

[MTA](#) | [MTA156](#)

1-640445-0

TE Internal Number: 1-640445-0

Alias ID: 2-42932-9327

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating (A) **7**

✓ Active

[PRODUCT DRAWING](#)  
English

[3D PDF](#)

#### Product Drawings

[MTA-156 HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT .045 SQUARE POST, TIN PLATED](#)

PDF  
English

#### CAD Files

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_IGS.ZIP  
English

#### Catalog Pages/Data Sheets

[MTA, CST-100 II, SL-156 And AMP Economy Power \(EP\) Connectors](#)

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[10P MTA156 HDR ASSY FL/STR SN](#)

PDF  
English

[MD\\_1-640445-0\\_122820152115\\_dmtec](#)

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	<b>Header</b>
	Housing Type	<b>Plug</b>
	Contact Type	<b>Pin, Tab</b>
	Header Type	<b>Unshrouded</b>
Configuration Features	Number of Positions	<b>10</b>
	Centerline	<b>3.96 mm [ .156 in ]</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Number of Rows	<b>1</b>
	Contact Layout	<b>Inline</b>
Electrical Characteristics	Contact Current Rating (A)	<b>7</b>
	Operating Voltage (VAC)	<b>600</b>
Contact Features	Contact Retention	<b>Without</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>2.54 <math>\mu</math>m [ 100 <math>\mu</math>in ]</b>
	Contact Base Material	<b>Copper Alloy</b>
	Underplate Material Thickness	<b>1.27 <math>\mu</math>m [ 50 <math>\mu</math>in ]</b>
	Contact Termination Area Plating Thickness	<b>2.54 <math>\mu</math>m [ 100 <math>\mu</math>in ]</b>
	Underplate Material	<b>Nickel</b>
Termination Features	Termination Method to Wire/Cable	<b>Solder</b>
	Termination Method to PC Board	<b>Through Hole - Solder</b>
	Termination Post/Tail Length	<b>3.18 mm [ .125 in ]</b>
Mechanical Attachment	Mating Alignment	<b>Without</b>
	Mating Retention	<b>With</b>
	PCB Mount Retention	<b>Without</b>
	PCB Mount Alignment	<b>Without</b>
	Mating Retention Type	<b>Friction Lock</b>
	Panel Mount Retention	<b>Without</b>
	Strain Relief	<b>Without</b>
Housing Features	UL Flammability Rating	<b>UL 94V-0</b>
	Housing Color	<b>Natural</b>

Housing Material **Polyester**

Dimensions	Mating Post Length	<b>10.16 mm [ .4 in ]</b>
	Height	<b>10.79 mm [ .425 in ]</b>
	PCB Thickness (Recommended)	<b>1.6 mm [ .063 in ]</b>
	Length	<b>39.62 mm [ 1.56 in ]</b>

Usage Conditions Sealed Condition **Not Sealed**

Operation/Application	Connector System	<b>Wire-to-Board</b>
	Applies To	<b>Printed Circuit Board</b>
	Operating Temperature	<b>-55 – 105 °C [ -67 – 221 °F ]</b>

Industry Standards	CSA Rating	<b>Certified</b>
	Agency/Standard Number	<b>E28476</b>
	UL Rating	<b>Recognized</b>
	CSA File Number	<b>LR7189</b>
	Agency/Standard	<b>CSA, UL</b>

Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>1000</b>

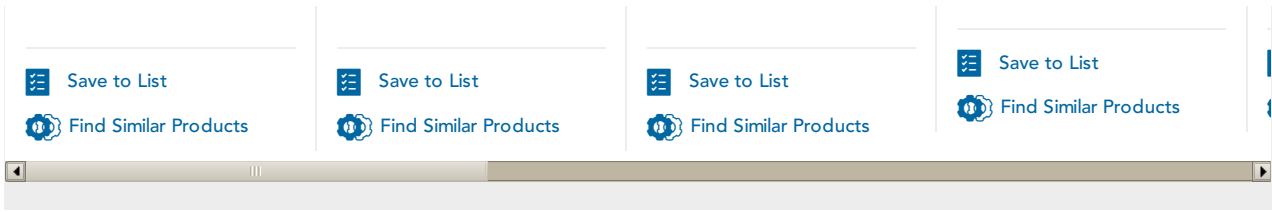
Other	Backwall/Post Interruptions	<b>Without</b>
	For Use With	<b>MTA .156 Connector Assembly or SL .156 Connector Assembly</b>

Product Compliance [Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

<p>CHASSIS PANEL MOUNT RESISTORS</p>  <p><b>HSA50 5R6 5% HSA505R6J</b></p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p><b>05P MTA156 CONN ASSY 18AWG ORA 643817-5</b></p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p><b>10P MTA156 HDR ASSY RN STR F/L 1-640388-0</b></p>	<p>THROUGH-HOLE RESISTORS</p>  <p><b>2W SM M/OX 5% 4K7 ROX25J4K7</b></p>
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Products - 73 Results

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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  
MTA | MTA156

**10P MTA156 CONN  
ASSY 22AWG RED  
- 4-643819-0**

TE INTERNAL NUMBER: 4-643819-0

✓ Active

[Always EU RoHS/ELV Compliant](#)

Product Type **Connector**

**Assembly**

Housing Type **Receptacle**

Connector System **Wire-to-Post**

Applies To **Wire/Cable**

Contact Current Rating **7 A**



RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors  
MTA | MTA156

**10P MTA156 CONN  
ASSY 18AWG ORA  
- 1-643817-0**

TE INTERNAL NUMBER: 1-643817-0

✓ Active

[Not EU RoHS or ELV Compliant](#)

Product Type **Connector**

**Assembly**

Housing Type **Receptacle**

Connector System **Wire-to-Post**

Applies To **Wire/Cable**

Contact Current Rating **7 A**



RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Rectangular Power Connectors  
MTA | MTA156

**10P MTA156 CONN  
ASSY 18AWG ORA  
- 4-640599-0**

TE INTERNAL NUMBER: 4-640599-0

[Always EU RoHS/ELV Compliant](#)

Product Type **Connector**

**Assembly**

Housing Type **Receptacle**

Connector System **Wire-to-Post**



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✓ Active

Connector system **wire-to-post**

Applies To **Wire/Cable**

Contact Current Rating **7 A**