



## RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

### 13P MTA156 HDR ASSY FL/STR SN

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

1-640445-3

TE Internal Number: 1-640445-3

Alias ID: 2-42934-1422

[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\_IJS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

#### Catalog Pages/Data Sheets

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

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

[MD\\_1-640445-3\\_1009201545\\_dmtec](#)

PDF  
English

[13P MTA156 HDR ASSY FL/STR SN](#)

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>13</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>51.51 mm [ 2.028 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>500</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

RECTANGULAR POWER CONNECTORS	RECTANGULAR POWER CONNECTORS	RECTANGULAR POWER CONNECTORS	RECTANGULAR POWER CONNECTORS	
05P MTA156 HDR ASSY W/O#2&4 643495-2	03P MTA156 HDR ASSY STR W/O#2 641937-1	09P MTA156 HDR ASSY FL/STR SN 640445-9	04P CMNL HDR ASSY PC UL94VO 350211-1	

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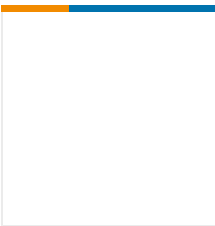
RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors  
MTA | MTA156

**13P MTA156 CONN  
ASSY 22AWG LF  
- 4-643819-3**

TE INTERNAL NUMBER: 4-643819-3

✓ 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 - W-T-B Headers & Receptacles  
MTA | MTA156

**13P MTA156 CONN  
ASSY 20AWG YEL  
- 4-640432-3**

TE INTERNAL NUMBER: 4-640432-3

✓ Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **13**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin**

Contact Mating Area Plating

Thickness **2.03 – 5.08 µm**



RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles  
MTA | MTA156

**13P MTA156 CONN  
ASSY 20AWG LF  
- 4-644470-3**

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **13**

Number of Rows **1**





TE INTERNAL NUMBER: 4-644470-3

✓ Active

number of rows 1

Contact Mating Area Plating  
Material **Tin**

Contact Mating Area Plating  
Material Finish **Matte**