



# RECTANGULAR POWER CONNECTORS



**TE CONNECTIVITY (TE)**  
**10P MTA156 HDR ASSY SQ R/A**  
[MTA | MTA156](#)

1-640387-0  
TE Internal Number: 1-640387-0

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, RIGHT ANGLE, REAR BEND, .045 SQUARE POST, TIN PLATED](#)

PDF  
English

## CAD Files

[3D PDF](#)  
PDF  
3D

[Customer View Model](#)  
3D\_IGS.ZIP  
English

[Customer View Model](#)  
3D\_STP.ZIP  
English

[Customer View Model](#)  
2D\_DXF.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 SQ R/A](#)

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

**Header**

Housing Type

**Plug**

	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>Right Angle</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	<b>Polyester - GF</b>
	Right Angle Bending Side	<b>Rear</b>

Right Angle Bending Side

View

Dimensions

Mating Post Length

10.16 mm [ .4 in ]

Height

10.79 mm [ .425 in ]

PCB Thickness (Recommended)

1.6 mm [ .063 in ]

Length

39.62 mm [ 1.56 in ]

Usage Conditions

Sealed Condition

Not Sealed

Operation/Application

Connector System

Wire-to-Board

Applies To

Printed Circuit Board

Operating Temperature

-55 – 105 °C [ -67 – 221 °F ]

Industry Standards

CSA Rating

Certified

Agency/Standard Number

E28476

UL Rating

Recognized

CSA File Number

LR7189

Agency/Standard

CSA, UL

Packaging Features

Packaging Method

Package

Packaging Quantity

500

Other

Backwall/Post Interruptions

Without

For Use With

MTA .156 Connector Assembly or SL .156 Connector Assembly

Product Compliance

[Statement of Compliance](#)

PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 33 Results

[View All](#)

Compare 0/10



Relation Type



RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**10P MTA156 CONN  
ASSY 22AWG LF**  
- 4-644566-0

TE INTERNAL NUMBER: 4-644566-0

✓ Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **10**

Number of Rows **1**

Contact Mating Area Plating  
Material **Tin**

Contact Mating Area Plating  
Material Finish **Matte**



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**  
- 1-640431-0

TE INTERNAL NUMBER: 1-640431-0  
ALIAS ID: 4-16211-9789

✓ 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**

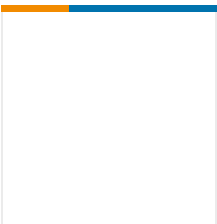


RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**10P MTA156 CONN  
ASSY 26AWG LF**  
- 4-640608-0

TE INTERNAL NUMBER: 4-640608-0

✓ Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **10**

Number of Rows **1**

Contact Mating Area Plating  
Material **Tin**

Contact Mating Area Plating  
Thickness **2.03 – 5.08 µm**

