



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 12P MTA156 CONN ASSY 18AWG ORA

MTA | MTA156

4-640599-2

TE Internal Number: 4-640599-2

Always EU RoHS/ELV Compliant

Product Type **Connector Assembly**

Housing Type **Receptacle**

Connector System **Wire-to-Post**

Applies To **Wire/Cable**

Contact Current Rating (A) **7**

Active

PRODUCT DRAWING  
English

3D PDF

### Product Drawings

[MTA-156 CONNECTOR ASSEMBLY, 18 AWG, STANDARD](#)

PDF  
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

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

PDF  
English

### Product Specifications

Product Specification

[System, Connector/Header, MTA 156](#)

PDF  
English

Application Specification

[MTA 156 Connectors](#)

PDF  
English

[MTA 156 Ribbon Cable Connector Assemblies \(English And Spanish\)](#)

PDF  
English

[MTA 156 Ribbon Cable Connector Assemblies \(English And Spanish\)](#)

TIF  
English

[MTA 156 Ribbon Cable Connector Assemblies \(English And Spanish\)](#)

PDF  
Japanese

## MTA 156 Ribbon Cable Connector Assemblies (English And Spanish)



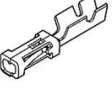

TIF  
Japanese

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	<b>Connector Assembly</b>
	Housing Type	<b>Receptacle</b>
	Contact Type	<b>Socket</b>
Configuration Features	Number of Positions	<b>12</b>
	Centerline	<b>3.96 mm [ .156 in ]</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>With</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>2.03 – 5.08 µm [ 80 – 200 µin ]</b>
	Contact Base Material	<b>Copper Alloy</b>
	Contact Mating Area Plating Material Finish	<b>Matte</b>
	Underplate Material Thickness	<b>.762 µm [ 30 µin ]</b>
	Contact Termination Area Plating Thickness	<b>2.03 – 5.08 µm [ 80 – 200 µin ]</b>
	Underplate Material	<b>Nickel</b>
Contact Retention Type	<b>Locking Lance</b>	
Termination Features	Wire/Cable Size (AWG)	<b>18</b>
	Wire/Cable Size (mm <sup>2</sup> )	<b>.8 – .9</b>
	Termination Method to Wire/Cable	<b>Insulation Displacement Crimp (IDC)</b>
	Wire Type	<b>Stranded</b>
	Wire/Cable Type	<b>Discrete Wire</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>Locking Ramp</b>
	Panel Mount Retention	<b>Without</b>
	Strain Relief	<b>With</b>
<hr/>		
Housing Features	UL Flammability Rating	<b>UL 94V-2</b>
	Housing Color	<b>White</b>
	Housing Material	<b>Nylon</b>
	Cable Exit Angle	<b>90°</b>
	Housing Style	<b>Standard Profile</b>
	Wire/Cable Installation Type	<b>Feed Through</b>
<hr/>		
Dimensions	Accepts Wire Insulation Diameter Range	<b>2.41 mm [ .095 in ]</b>
	Height	<b>9.78 mm [ .385 in ]</b>
	Length	<b>47.55 mm [ 1.872 in ]</b>
<hr/>		
Usage Conditions	Sealed Condition	<b>Not Sealed</b>
<hr/>		
Operation/Application	Connector System	<b>Wire-to-Post</b>
	Applies To	<b>Wire/Cable</b>
	Operating Temperature	<b>-55 – 105 °C [ -67 – 221 °F ]</b>
<hr/>		
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>
<hr/>		
Packaging Features	Packaging Method	<b>Bag/Box</b>
	Packaging Quantity	<b>250</b>
<hr/>		
Other	Backwall/Post Interruptions	<b>Without</b>
	For Use With	<b>MTA .156 Header</b>
<hr/>		
Product Compliance	<a href="#">Statement of Compliance</a> PDF	

## CUSTOMERS ALSO BOUGHT

SURFACE MOUNT RESISTORS	OCEAN APPLICATORS	WIRE-TO-BOARD CONNECTOR CONTACTS	WIRE-TO-BOARD HEADERS & RECEPTACLES
			
RN 0805 5K62 0.1% 10PPM CUT LENGTH RN73C2A5K62BTG	STRIPPER 690472-2	MOD IV RECP PLTD 15 SEL 86492-2	05P MTA100 CONN ASSY F/T RED 3-640620-5
<a href="#">Save to List</a> <a href="#">Find Similar Products</a>	<a href="#">Save to List</a> <a href="#">Find Similar Products</a>	<a href="#">Save to List</a> <a href="#">Find Similar Products</a>	<a href="#">Save to List</a> <a href="#">Find Similar Products</a>

Products - 24 Results

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Relation Type ▼

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)


PRODUCT - MATING PRODUCTS	<input checked="" type="checkbox"/>
 <p>Connectors - Rectangular Power Connectors MTA   MTA156 <b>12P MTA156 HDR ASSY SQ STR F/L - 1-644752-2</b> TE INTERNAL NUMBER: 1-644752-2 ALIAS ID: 2-42932-9326</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Product Type <b>Header</b></p> <p>Housing Type <b>Plug</b></p> <p>Connector System <b>Wire-to-Board</b></p> <p>Applies To <b>Printed Circuit Board</b></p> <p>Contact Current Rating <b>7 A</b></p>

RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS	<input checked="" type="checkbox"/>
 <p>Connectors - Rectangular Power Connectors MTA   MTA156 <b>12P MTA156 HDR ASSY STR SQ SN - 1-640383-2</b> TE INTERNAL NUMBER: 1-640383-2</p> <p>✓ Active</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Product Type <b>Header</b></p> <p>Housing Type <b>Plug</b></p> <p>Connector System <b>Wire-to-Board</b></p> <p>Applies To <b>Printed Circuit Board</b></p> <p>Contact Current Rating <b>7 A</b></p>

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors  
MTA I MTA156

**12P MTA156 HDR ASSY  
SQ R/A F/L - 1-640389-2**

TE INTERNAL NUMBER: 1-640389-2

✓ Active

Always EU RoHS/ELV Compliant

Product Type **Header**

Housing Type **Plug**

Connector System **Wire-to-Board**

Applies To **Printed Circuit Board**

Contact Current Rating **7 A**

