



# RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

## 02P MTA156 CONN ASSY 18AWG ORA

MTA | MTA156

640599-2

TE Internal Number: 640599-2

Not EU RoHS or ELV Compliant  
[Find Compliant Alternatives](#)

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

[Connector, MTA 156, Wire-To-Wire System](#)

PDF  
English

Application Specification

[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.

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Product Type Features	Product Type	<b>Connector Assembly</b>
	Housing Type	<b>Receptacle</b>
	Contact Type	<b>Socket</b>

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Configuration Features	Number of Positions	<b>2</b>
	Centerline	<b>3.96 mm [ .156 in ]</b>
	Number of Rows	<b>1</b>
	Contact Layout	<b>Inline</b>

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Electrical Characteristics	Contact Current Rating (A)	<b>7</b>
	Operating Voltage (VAC)	<b>600</b>

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Contact Features	Contact Retention	<b>With</b>
	Contact Termination Area Plating Material	<b>Tin-Lead</b>
	Contact Mating Area Plating Material	<b>Tin-Lead</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>Bright</b>
	Contact Termination Area Plating Thickness	<b>2.03 – 5.08 µm [ 80 – 200 µin ]</b>
	Contact Retention Type	<b>Locking Lance</b>

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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>

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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 **With**

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Housing Features

UL Flammability Rating **UL 94V-2**

Housing Color **White**

Housing Material **Nylon**

Cable Exit Angle **90°**

Housing Style **Standard Profile**

Wire/Cable Installation Type **Feed Through**

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Dimensions

Accepts Wire Insulation Diameter Range **2.41 mm [ .095 in ]**

Height **9.78 mm [ .385 in ]**

Length **7.92 mm [ .312 in ]**

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Usage Conditions

Sealed Condition **Not Sealed**

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Operation/Application

Connector System **Wire-to-Post**

Applies To **Wire/Cable**

Operating Temperature **-55 – 105 °C [ -67 – 221 °F ]**

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Industry Standards

CSA Rating **Certified**

Agency/Standard Number **E28476**

UL Rating **Recognized**

CSA File Number **LR7189**

Agency/Standard **CSA, UL**

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Packaging Features

Packaging Method **Bag/Box**

Packaging Quantity **500**

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Other

Backwall/Post Interruptions **Without**

For Use With **MTA .156 Header**

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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

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

**02P MTA156 HDR ASSY  
STR RND SN - 644750-2**  
TE INTERNAL NUMBER: 644750-2

Active

Always EU RoHS/ELV Compliant

Centerline **3.96 mm**

Number of Positions **2**

PCB Mounting Orientation

**Vertical**

PCB Mounting Style **Through**

**Hole**

Number of Rows **1**

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

**02P MTA156 PSTD  
CONN ASSY ORNG  
- 641522-2**  
TE INTERNAL NUMBER: 641522-2

Active

Not EU RoHS or ELV Compliant

Centerline **3.96 mm**

Number of Positions **2**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin-Lead**

Contact Mating Area Plating

Material Finish **Bright**

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Rectangular Power Connectors  
MTA | MTA156

**02P MTA156 PSTD  
CONN ASSY WHT  
- 3-641438-2**  
TE INTERNAL NUMBER: 3-641438-2

Active

Always EU RoHS/ELV Compliant

Product Type **Connector  
Assembly**

Housing Type **Plug**

Connector System **Wire-to-Wire**

Applies To **Wire/Cable**

Contact Current Rating **7 A**