



## RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

### 06P MTA156 CONN ASSY 18AWG ORA

MTA | MTA156

3-640426-6

TE Internal Number: 3-640426-6

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

#### Product Environmental Compliance

TE Material Declaration

[MD\\_3-640426-6\\_07142014754\\_dmtec](#)

PDF  
English

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>6</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</b>
	Contact Mating Area Plating Material	<b>Tin</b>
	Contact Mating Area Plating Thickness	<b>2.03 – 5.08 <math>\mu</math>m [ 80 – 200 <math>\mu</math>in ]</b>
	Contact Base Material	<b>Copper Alloy</b>
	Contact Mating Area Plating Material Finish	<b>Matte</b>
	Underplate Material Thickness	<b>.762 <math>\mu</math>m [ 30 <math>\mu</math>in ]</b>
	Contact Termination Area Plating Thickness	<b>2.03 – 5.08 <math>\mu</math>m [ 80 – 200 <math>\mu</math>in ]</b>
	Underplate Material	<b>Nickel</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 **Closed End**

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Dimensions

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

Height **9.02 mm [ .355 in ]**

Length **23.77 mm [ .936 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 **Box/Carton**

Packaging Quantity **250**

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Other

Backwall/Post Interruptions **Without**

For Use With **MTA .156 Header**


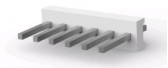


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Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

<p>PCB CONNECTOR COVERS</p>  <p>06P MTA156 COVER 640551-6</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>06P MTA156 HDR ASSY STR SQ SN 640383-6</p> <p>Save to List Find Similar Products</p>	<p>PCB CONNECTOR COVERS</p>  <p>08P MTA156 COVER 640551-8</p> <p>Save to List Find Similar Products</p>	<p>RECTANGULAR POWER CONNECTORS</p>  <p>05P MTA156 CONN ASSY 18AWG ORA 3-640426-5</p> <p>Save to List Find Similar Products</p>
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Relation Type ▼

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

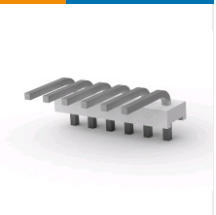
	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - W-T-B Headers &amp; Receptacles MTA   MTA156</p> <p><b>06P MTA156 PST CONN ASSY YELL - 641436-6</b> TE INTERNAL NUMBER: 641436-6</p> <p>✓ Active</p> <p>Not EU RoHS or ELV Compliant</p> <p>Centerline <b>3.96 mm</b></p> <p>Number of Positions <b>6</b></p> <p>Number of Rows <b>1</b></p> <p>Contact Mating Area Plating Material <b>Tin-Lead</b></p> <p>Contact Mating Area Plating Material Finish <b>Bright</b></p>
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RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Power Connectors MTA   MTA156</p> <p><b>06P MTA156 HDR ASSY SQ R/A - 640385-6</b> TE INTERNAL NUMBER: 640385-6</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p>
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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

Always EU RoHS/ELV Compliant

**06P MTA156 HDR ASSY**  
**RN STR F/L - 640388-6**

TE INTERNAL NUMBER: 640388-6

✓ Active