



RECTANGULAR POWER CONNECTORS



TE CONNECTIVITY (TE)

05P MTA156 CONN ASSY 18AWG ORA

MTA | MTA156

3-640426-5

TE Internal Number: 3-640426-5

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_3-640426-5_051020121230](#)

PDF
English

Drawing for all design activity.

| | | |
|-----------------------|--------------|---------------------------|
| Product Type Features | Product Type | Connector Assembly |
| | Housing Type | Receptacle |
| | Contact Type | Socket |

| | | |
|------------------------|---------------------|----------------------------|
| Configuration Features | Number of Positions | 5 |
| | Centerline | 3.96 mm [.156 in] |
| | Number of Rows | 1 |
| | Contact Layout | Inline |

| | | |
|----------------------------|----------------------------|------------|
| Electrical Characteristics | Contact Current Rating (A) | 7 |
| | Operating Voltage (VAC) | 600 |

| | | |
|------------------|---|--|
| Contact Features | Contact Retention | With |
| | Contact Termination Area Plating Material | Tin |
| | Contact Mating Area Plating Material | Tin |
| | Contact Mating Area Plating Thickness | 2.03 – 5.08 μm [80 – 200 μin] |
| | Contact Base Material | Copper Alloy |
| | Contact Mating Area Plating Material Finish | Matte |
| | Underplate Material Thickness | .762 μm [30 μin] |
| | Contact Termination Area Plating Thickness | 2.03 – 5.08 μm [80 – 200 μin] |
| | Underplate Material | Nickel |
| | Contact Retention Type | Locking Lance |

| | | |
|----------------------|------------------------------------|--|
| Termination Features | Wire/Cable Size (AWG) | 18 |
| | Wire/Cable Size (mm ²) | .8 – .9 |
| | Termination Method to Wire/Cable | Insulation Displacement Crimp (IDC) |
| | Wire Type | Stranded |
| | Wire/Cable Type | Discrete Wire |

| | | |
|-----------------------|-----------------------|---------------------|
| Mechanical Attachment | Mating Alignment | Without |
| | Mating Retention | With |
| | PCB Mount Retention | Without |
| | PCB Mount Alignment | Without |
| | Mating Retention Type | Locking Ramp |
| | Panel Mount Retention | Without |

Strain Relief **With**

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**

Dimensions

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

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

Length **19.81 mm [.78 in]**

Usage Conditions

Sealed Condition **Not Sealed**

Operation/Application

Connector System **Wire-to-Post**

Applies To **Wire/Cable**

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 **250**

Other

Backwall/Post Interruptions **Without**

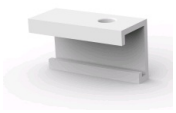



For Use With **MTA .156 Header**

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

| | | | |
|--|--|--|--|
| <p>PCB CONNECTOR COVERS</p>  <p>05P MTA156 COVER 640551-5</p> <p>Save to List Find Similar Products</p> | <p>AUTOMOTIVE, TRUCK, BUS, & OFF-ROAD HOUSINGS</p>  <p>5W MPQ+MQS SOC HSG BLACK 1379217-1</p> <p>Save to List Find Similar Products</p> | <p>RECTANGULAR POWER CONNECTORS</p>  <p>09P MTA156 CONN ASSY 18AWG ORA 3-640426-9</p> <p>Save to List Find Similar Products</p> | <p>PCB CONNECTOR COVERS</p>  <p>09P MTA156 COVER 640551-9</p> <p>Save to List Find Similar Products</p> |
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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

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| | | |
|---|---|-------------------------------------|
|  | <p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - Rectangular Power Connectors MTA MTA156</p> <p>05P MTA156 HDR ASSY FL/STR SN - 640445-5</p> <p>TE INTERNAL NUMBER: 640445-5 ALIAS ID: 2-42934-1424, 651-1050-01</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> | <input checked="" type="checkbox"/> |
|---|---|-------------------------------------|

RELATIONSHIP

Mating Products

Used to identify Mating Parts

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| | | |
|---|---|-------------------------------------|
|  | <p>PRODUCT - MATING PRODUCTS</p> <p>Connectors - W-T-B Headers & Receptacles MTA MTA156</p> <p>05P MTA156 SHRD HDR ASSY LF - 2-647125-5</p> <p>TE INTERNAL NUMBER: 2-647125-5</p> <p>✓ Active</p> <p>Always EU RoHS/ELV Compliant</p> <p>Centerline 3.96 mm</p> <p>Number of Positions 5</p> <p>PCB Mounting Orientation Right Angle</p> <p>PCB Mounting Style Through Hole</p> <p>Number of Rows 1</p> | <input checked="" type="checkbox"/> |
|---|---|-------------------------------------|

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

05P MTA156 HDR ASSY
RN STR F/L - 644753-5

TE INTERNAL NUMBER: 644753-5

✓ Active