

3-640599-5 ✓ ACTIVE



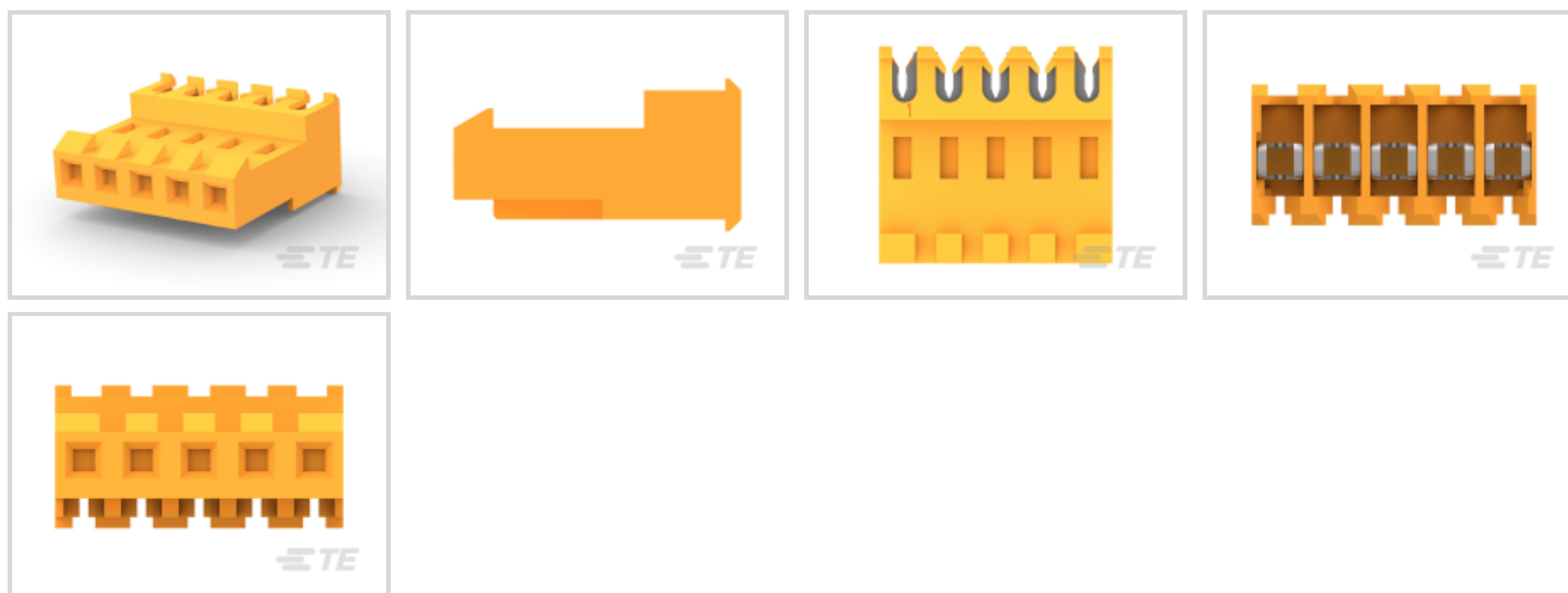
MTA 156

TE Internal #: 3-640599-5

Connector Assembly, Receptacle, Wire-to-Board, 5 Position, 3.96 mm [.156 in] Centerline, Wire & Cable, UL 94V-2, MTA 156, Rectangular Power Connectors

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Number of Positions: **5**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Body Features

| | |
|-------------------|----------|
| Cable Exit Angle | 90° |
| Connector Profile | Standard |

Packaging Features

| | |
|--------------------|--------------|
| Packaging Quantity | 250 |
| Packaging Method | Box & Carton |

Dimensions

| | |
|--------------------------------------|----------------------|
| Compatible Insulation Diameter Range | 2.41 mm[.095 in] |
| Product Length | 19.81 mm[.78 in] |
| Connector Height | 9.78 mm[.385 in] |
| Wire Size | .823 mm ² |

Mechanical Attachment

| | |
|-----------------------|--------------|
| Strain Relief | With |
| Panel Mount Feature | Without |
| Mating Retention Type | Locking Ramp |



| | |
|---------------------------------------|----------------------------|
| PCB Mount Retention | Without |
| Contact Retention Type Within Housing | Locking Lance |
| Mating Retention | With |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Contact Features

| | |
|---|-------------------------------|
| Contact Underplating Material | Nickel |
| Contact Underplating Material Thickness | 30 µm [.762 µin] |
| Contact Layout | Inline |
| Contact Mating Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Wire Contact Termination Area Plating Thickness | 2.03 – 5.08 µm [80 – 200 µin] |
| Contact Mating Area Plating Material Finish | Matte |
| Contact Current Rating (Max) | 7 A |
| Contact Retention Within Housing | With |
| Contact Type | Receptacle |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Mating Area Plating Material Thickness | 2.03 – 5.08 µm [80 – 200 µin] |

Industry Standards

| | |
|---|-------------------------------|
| Compatible With Agency/Standards Products | UL, CSA |
| UL Rating | Recognized |
| Compatible With Approved Standards Products | UL E28476 |
| CSA Rating | LR 7189, Certified |
| UL Flammability Rating | UL 94V-2 |
| Glow Wire Rating | Standard Part - Not Glow Wire |

Housing Features

| | |
|------------------------------------|-------------------|
| Wire & Cable IDC Installation Type | Feed Through |
| Centerline (Pitch) | 3.96 mm [.156 in] |
| Housing Color | Orange |
| Housing Material | Nylon |

Product Type Features

| | |
|--|--|
| | |
|--|--|



| | |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Stranded |
| Rectangular Power Connector Type | Connector Assembly |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------------|---|
| Number of Positions | 5 |
| Number of Power Positions | 5 |
| Number of Rows | 1 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Termination Features

| | |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Other

| | |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC |

Free

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 3-644615-5
05P MTA156 POL HDR ASSY LF



TE Part # 643067-5
05P MTA156 MOLDED COVER



TE Part # 643495-1
05P MTA156 HDR ASSY W/O#4



TE Part # 643495-3
05P MTA156 HDR ASSY W/O#2



TE Part # 640445-5
05P MTA156 HDR ASSY FL/STR SN



TE Part # 640383-5
05P MTA156 HDR ASSY STR SQ SN



TE Part # 3-644613-5
05P MTA156 HDR RA PO WO PEG LF



TE Part # 640385-5
05P MTA156 HDR ASSY SQ R/A



TE Part # 640384-5
05P MTA156 HDR ASSY STR RND SN



TE Part # 640389-5
05P MTA156 HDR ASSY SQ R/A F/L



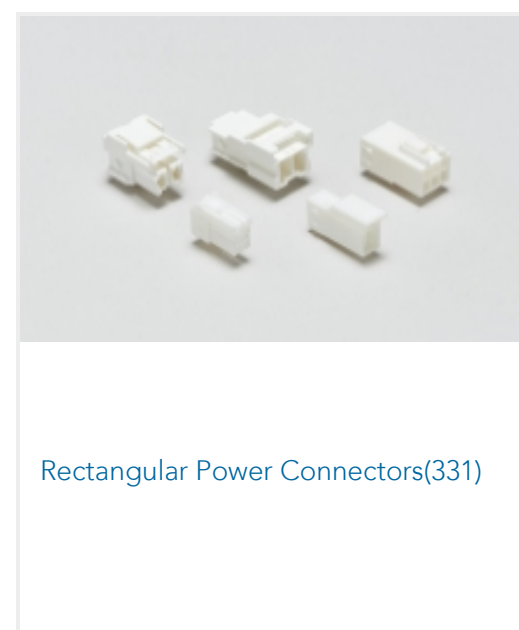
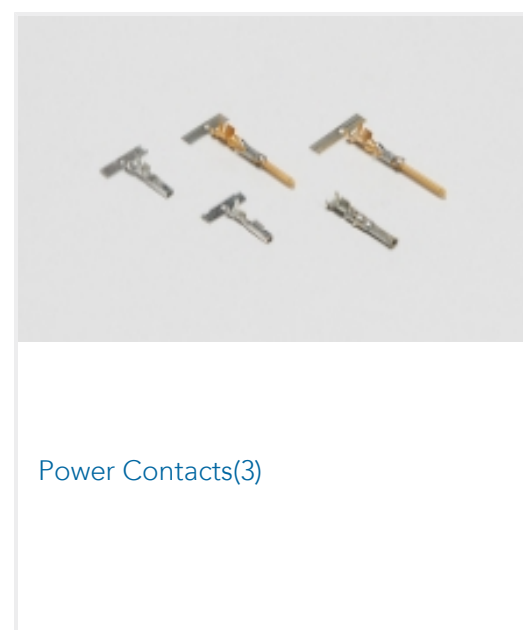
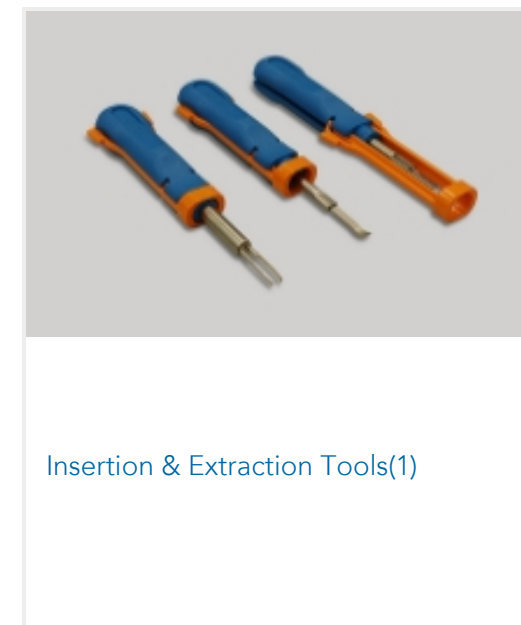
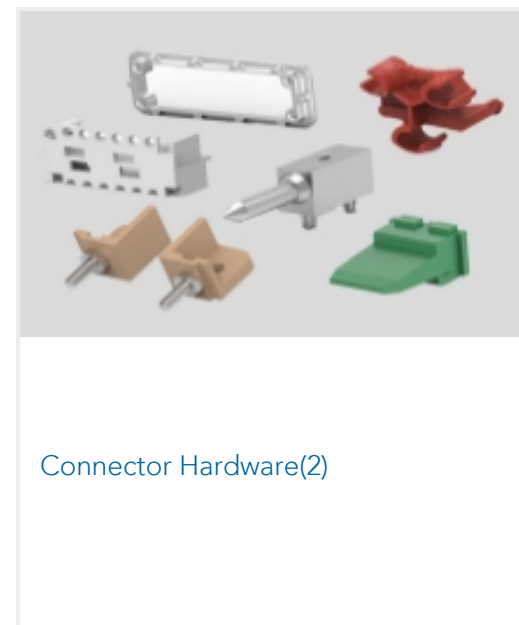
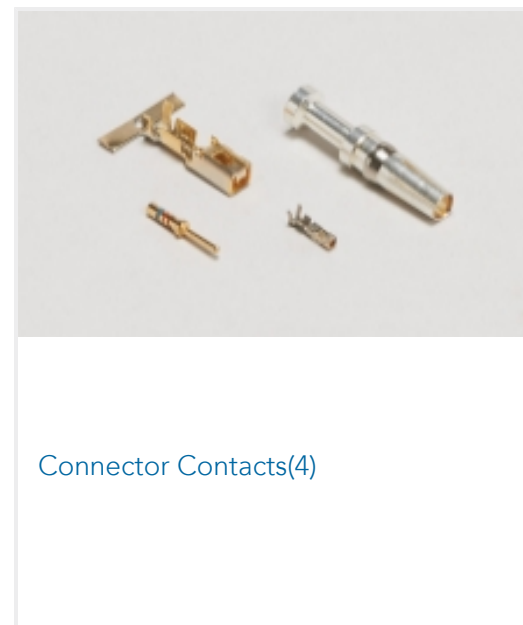
TE Part # 640643-5
05P MTA156 COVER F/T



TE Part # 644751-5
05P MTA156 HDR ASSY R/A



Also in the Series | MTA 156



Customers Also Bought

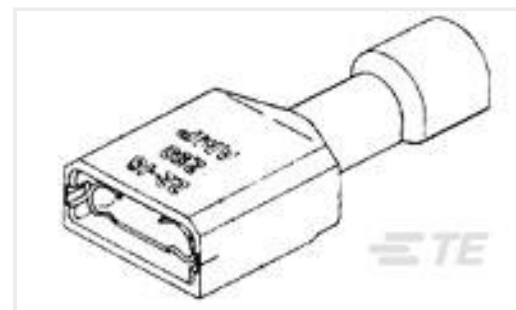




TE Part #34147
PG R 22-16 COMM 22-18 MIL 6



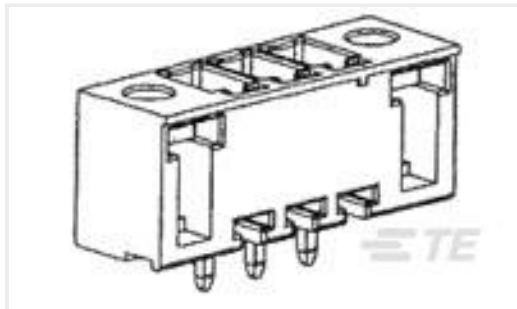
TE Part #3-640599-2
02P MTA156 CONN ASSY 18AWG
ORA



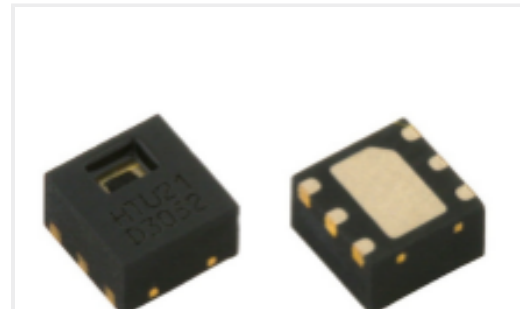
TE Part #2-520310-2
ULTRA-FAST .110/.125 ASY REC 22-18
TPBR



TE Part #1-1604256-1
UMNL BULKHEAD CONN, 4 POS
TPBR



TE Part #284519-3
3P TERMIBLOK HDR DIR VITI 3



TE Part #HPP845E031R5
I.C 21D RH/T B5000

Documents

Product Drawings

[05P MTA156 CONN ASSY 18AWG ORA](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-640599-5_N.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-640599-5_N.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-640599-5_N.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

Japanese

[Application Specification](#)

English

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

English

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

Japanese



Application Specification

English

Agency Approvals

UL

English