



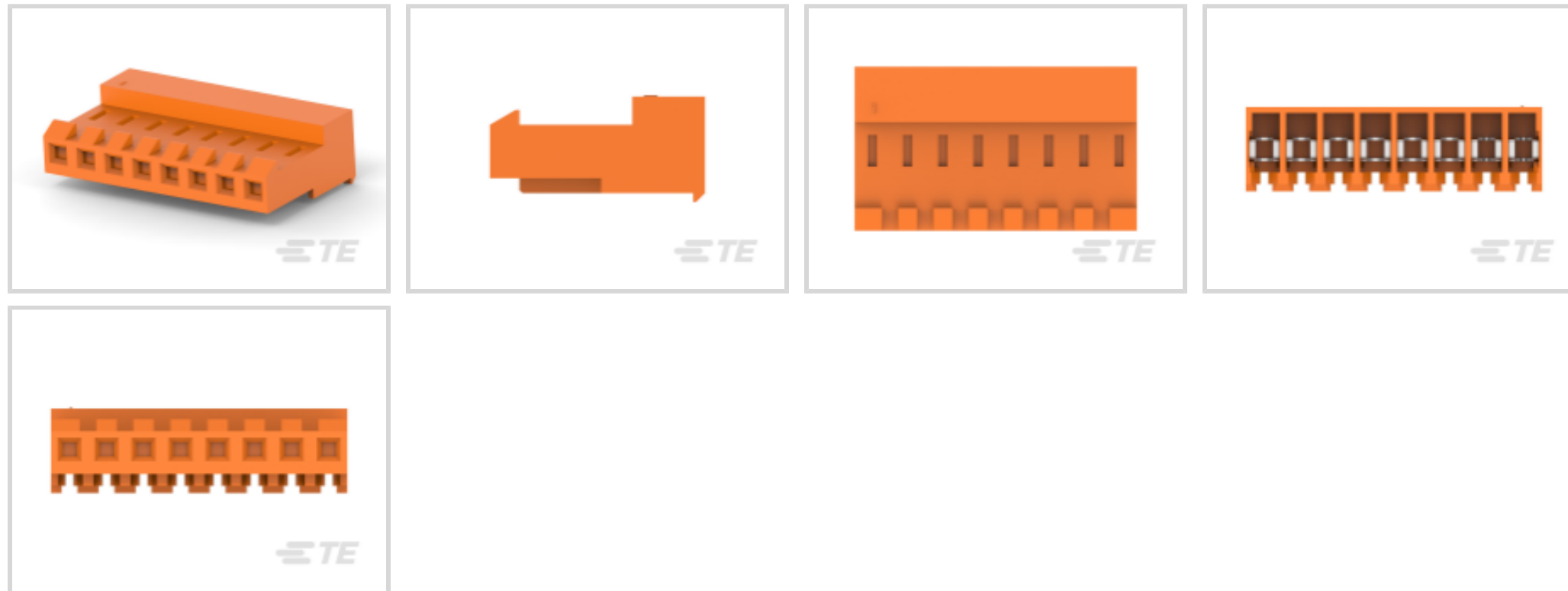
MTA 156

TE Internal #: 3-641148-8

Standard Rectangular Connectors, Connector Assembly, Receptacle, Insulation Displacement (IDC), Wire-to-Board, MTA 156

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**

Connector & Housing Type: **Receptacle**

Mating Alignment: **Without**

Mating Retention: **Without**

Termination Method to Wire & Cable: **Insulation Displacement (IDC)**

Features

Product Type Features

| | |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Stranded |
| Connector Product Type | Connector Assembly |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Insertion Force Type | Normal |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|---------------------|-----|
| Number of Cavities | 8 |
| Contacts Preloaded | Yes |
| Number of Positions | 8 |
| Number of Rows | 1 |

Electrical Characteristics

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



Contact Features

| | |
|--|--|
| Contact Type | Receptacle |
| Wire Contact Termination Area Plating Material | Tin |
| Contact Underplating Material | Nickel |
| Contact Mating Area Plating Material | Gold, Gold Flash over Palladium Nickel |
| Contact Retention Within Housing | With |
| Contact Current Rating (Max) | 7 A |

Termination Features

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

Mechanical Attachment

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

Housing Features

| | |
|--------------------|------------------|
| Housing Material | Nylon 6/6 |
| Housing Color | Orange |
| Centerline (Pitch) | 3.96 mm[.156 in] |

Dimensions

| | |
|------------------|-------------------------|
| Connector Height | 18.42 mm[.725 in] |
| Product Width | 9.02 mm[.355 in] |
| Product Length | 31.7 mm[1.248 in] |
| Wire Size | .8 – .9 mm ² |

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Shielded | No |
| Circuit Application | Power |

Industry Standards

| | |
|---|------------|
| CSA Rating | LR 7189 |
| UL Rating | Recognized |
| Compatible With Agency/Standards Products | CSA, UL |



| | |
|---|-----------|
| Compatible With Approved Standards Products | UL E28476 |
|---|-----------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-2 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 250 |
|--------------------|-----|

| | |
|------------------|---------|
| Packaging Method | Bag/Box |
|------------------|---------|

Product Compliance

[For compliance documentation, visit the product page on 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 |
|---------------------------|--|

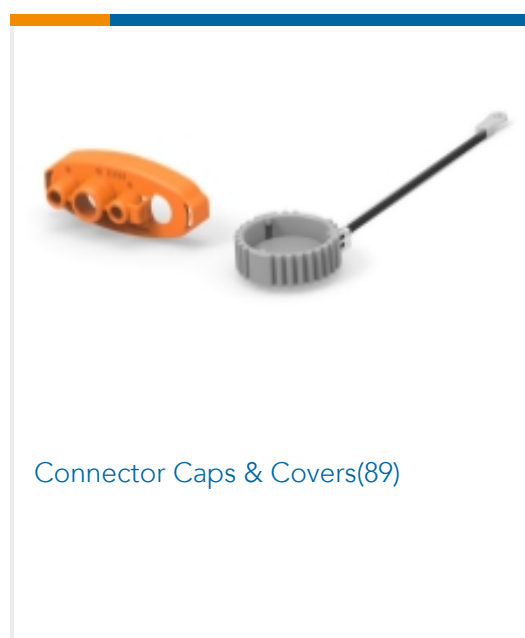
Product Compliance Disclaimer

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>

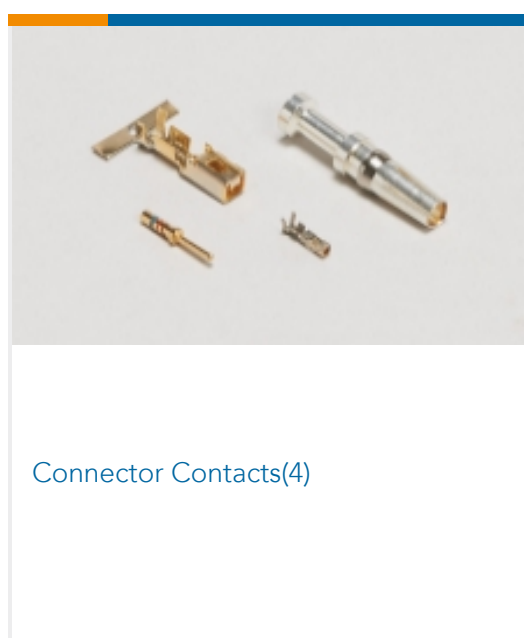
Compatible Parts



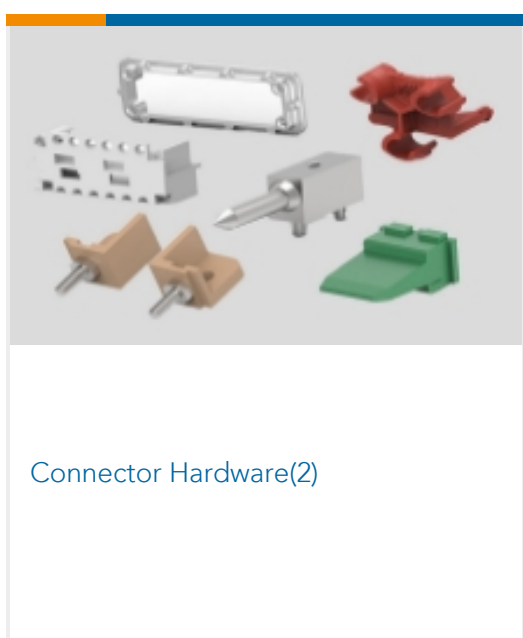
Also in the Series | **MTA 156**



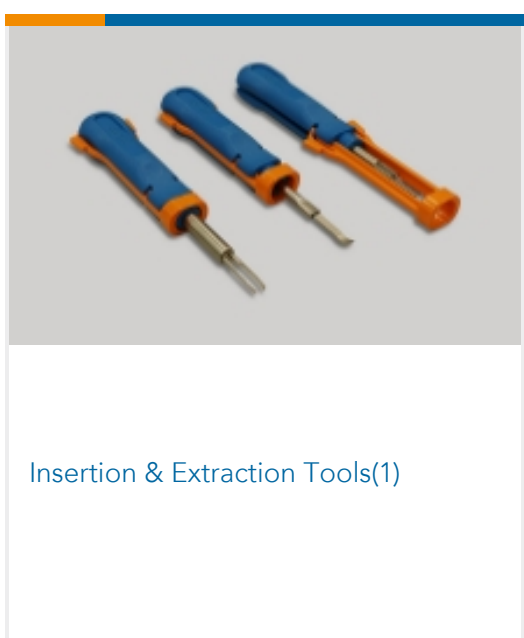
Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)



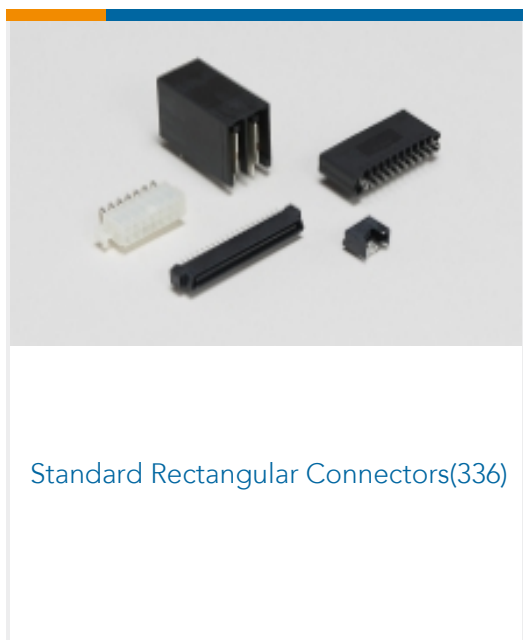
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(317)



Rectangular Power Connectors(691)

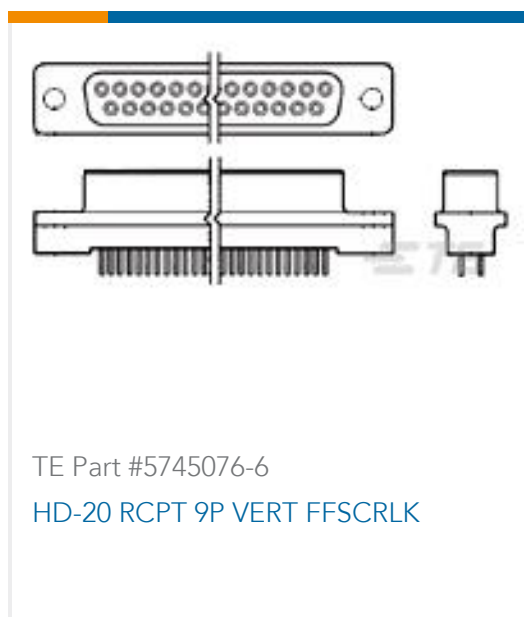


Standard Rectangular Connectors(336)

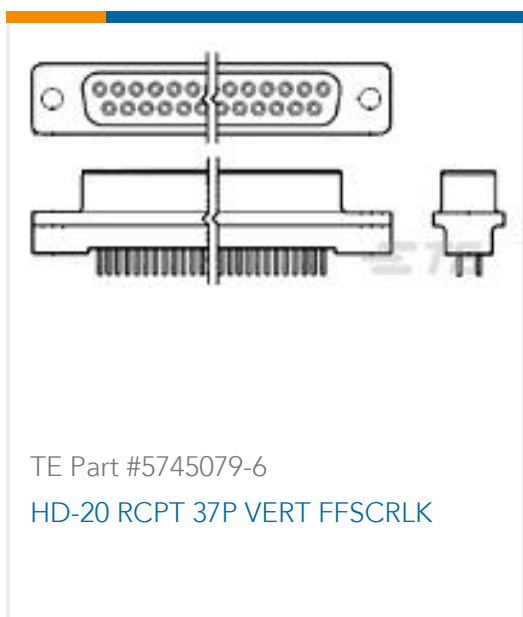
Customers Also Bought



TE Part #2-644486-6
06P MTA100 SHRDED HDR ASSY SN



TE Part #5745076-6
HD-20 RCPT 9P VERT FFSCRLK



TE Part #5745079-6
HD-20 RCPT 37P VERT FFSCRLK



TE Part #745071-2
09 PLUG SP/AP SCRLK



TE Part #207496-9
SKT HDR ASSY,4P,MMATE LF



TE Part #207441-7
METRIMATE PIN HEADER ASSY,9P



TE Part #207119-8
METRIMATE PIN HDR ASY,4P LF



TE Part #1-5530843-6
CONN SEC II 25 POS 100C/L



TE Part #4-1825136-2
A101SYAB04



TE Part #3-641148-6
06P MTA156 ASSY 18AWG ORA LF

Documents



Product Drawings

[08P MTA156 ASSY 18AWG ORA LF](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_3-641148-8_S.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-641148-8_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-641148-8_S.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

[Agency Approval Document](#)

English