



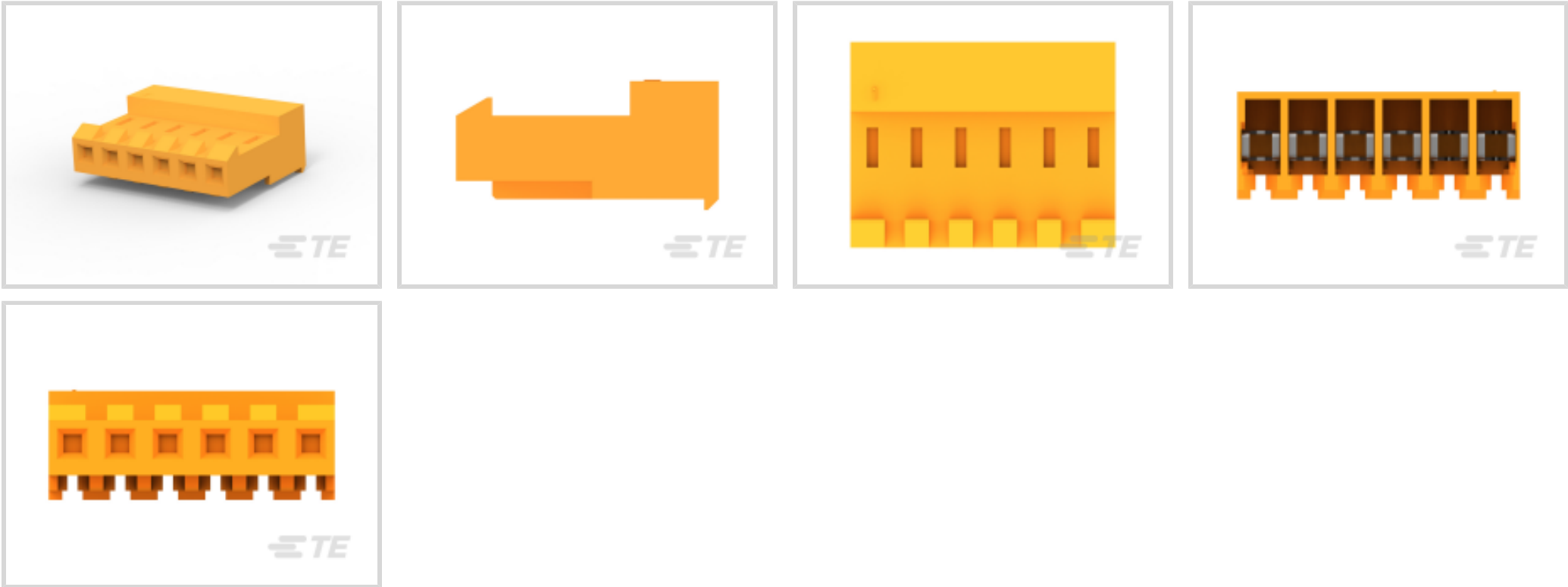
MTA 156

TE Internal #: 3-641148-6

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

[View on TE.com >](#)

Connectors > Rectangular Connectors > Standard Rectangular Connectors



Connector Product Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Mating Alignment: **Without**
Mating Retention: **With**
Mating Retention Type: **Locking Ramp**

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	0
Number of Power Positions	6
Number of Positions	6
Number of Rows	1

Electrical Characteristics

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

Body Features



Cable Exit Angle	90°
------------------	-----

Primary Product Color	Orange
-----------------------	--------

Contact Features

Contact Underplating Material	Nickel
-------------------------------	--------

Contact Underplating Material Thickness	1.27 – 1.77 µm[1.27 – 1.77 µin]
---	---------------------------------

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
--	----------------

Wire Contact Termination Area Plating Material	Tin
--	-----

Contact Layout	Inline
----------------	--------

Contact Base Material	Copper Alloy
-----------------------	--------------

Wire Contact Termination Area Plating Thickness	2.03 – 5.08 µm[80 – 200 µin]
---	------------------------------

Contact Type	Receptacle
--------------	------------

Contact Mating Area Plating Material	Gold (Au), 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

Strain Relief	With
---------------	------

Panel Mount Feature	Without
---------------------	---------

Contact Retention Type Within Housing	Locking Lance
---------------------------------------	---------------

Mating Alignment	Without
------------------	---------

Mating Retention	With
------------------	------

Mating Retention Type	Locking Ramp
-----------------------	--------------

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

Housing Features

Housing Material	Nylon
------------------	-------

Wire & Cable IDC Installation Type	Closed End
------------------------------------	------------

Centerline (Pitch)	3.96 mm[.156 in]
--------------------	------------------

Dimensions

Compatible Insulation Diameter Range	2.41 mm[.095 in]
--------------------------------------	------------------

Connector Height	9.02 mm[.355 in]
------------------	------------------

Wire Size	18 AWG
-----------	--------



Connector Length23.77 mm[.936 in]

Usage Conditions

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

Operation/Application

Circuit ApplicationPower & Signal

Industry Standards

Compatible With Agency/Standards ProductsCSA, UL

UL RatingRecognized

Compatible With Approved Standards ProductsUL E28476

CSA RatingCertified, LR 7189

Glow Wire RatingStandard Part - Not Glow Wire

UL Flammability RatingUL 94V-2

Packaging Features

Packaging Quantity250

Packaging MethodBag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EUCompliant

EU ELV Directive 2000/53/ECCompliant

China RoHS 2 Directive MIIT Order No 32, 2016No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006
Current ECHA Candidate List: JAN 2025 (247)
Candidate List Declared Against: JAN 2025 (247)
Does not contain REACH SVHC

Halogen ContentLow Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process CapabilityNot applicable for solder process capability

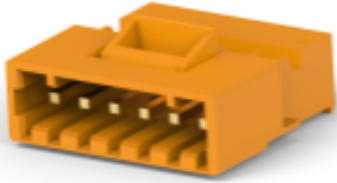
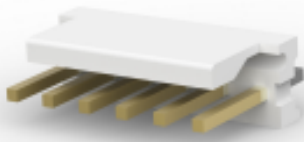
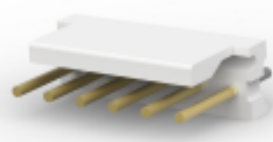
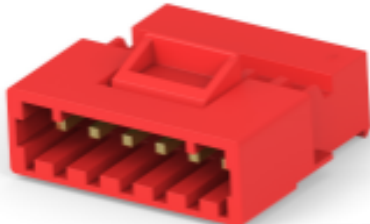
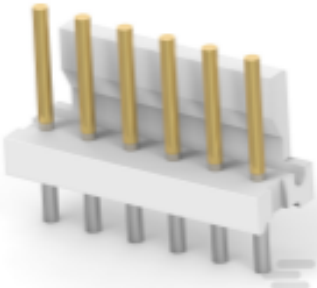
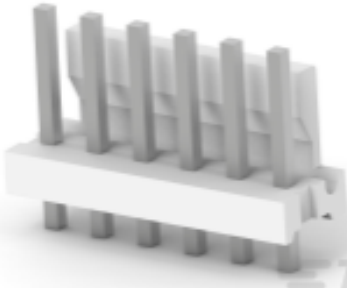
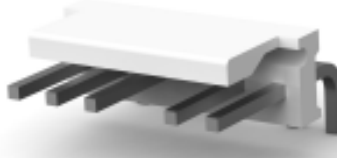
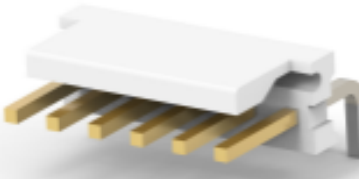
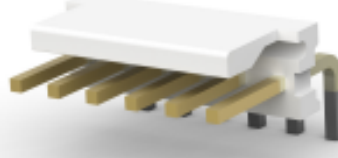
Product Compliance Disclaimer

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 # 3-647476-6 06P MTA156 PSTD CONN 18AWG LF	 TE Part # 3-644766-6 06P MTA156 HDR ASSY STR SQ LF	 TE Part # 3-641119-6 06P MTA156 HDR ASSY FL/ST LF	 TE Part # 3-641120-6 06P MTA156 HDR ASSY FL/ST LF
 TE Part # 59804-1 MAINTENANCE TOOL	 TE Part # 3-643995-6 06P MTA156 PST CONN ASSY LF	 TE Part # 58247-2 MTA 156 CRIMP HEAD PRODUCTION DISCRETE	 TE Part # 643067-6 06P MTA156 MOLDED COVER
 TE Part # 3-644767-6 06P MTA156 HDR ASSY FL ST LF	 TE Part # 641119-6 06P MTA156 HDR ASSY FL/ST 15AU	 TE Part # 58247-3 MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE	 TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME
 TE Part # 641318-3 06CIR MTA156 R/A HDR ASY W/O#3	 TE Part # 3-641121-6 06P MTA156 HDR ASSY FL/RA LF	 TE Part # 3-644768-6 06P MTA156 HDR ASSY F/L SQ LF	 TE Part # 640551-6 06P MTA156 COVER



TE Part # 643071-6
06P MTA156 FD-THRU COVER



TE Part # 640643-6
06P MTA156 COVER F/T



TE Part # 58247-1
MTA 156 CRIMP HEAD REPAIR DISCRETE

Also in the Series | MTA 156



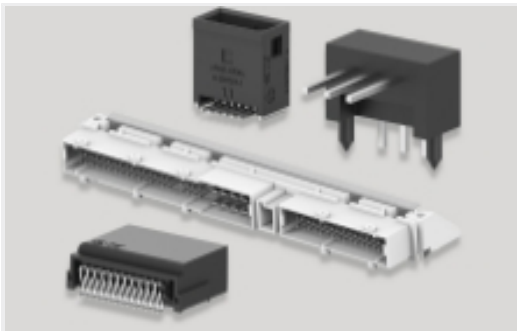
Connector Caps & Covers(89)



Connector Contacts(4)



Connector Hardware(2)



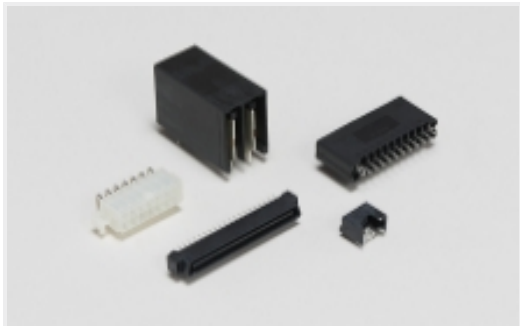
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)

Customers Also Bought



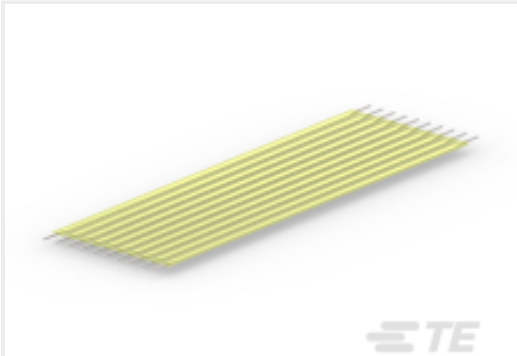
TE Part #3-641148-8
08P MTA156 ASSY 18AWG ORA LF



TE Part #2-2176504-9
CJP 100W 220R 5% Lead



TE Part #4-794619-0
10P MICRO MNL ASSY,R/A,HDR LF



TE Part #8-1437189-7
FST-25A-16



TE Part #3-640599-9
09P MTA156 CONN ASSY 18AWG ORA



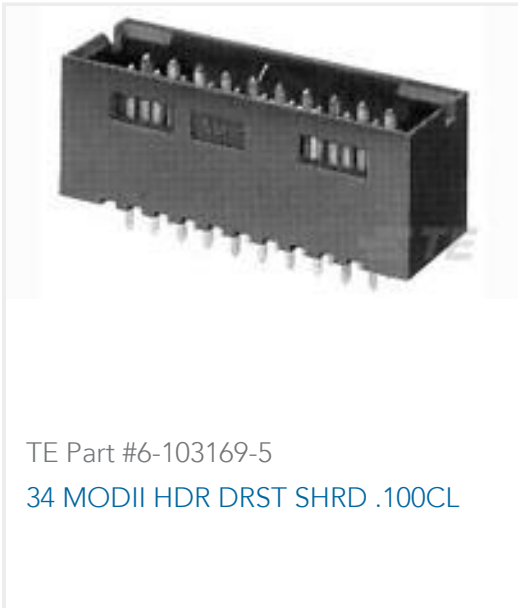
TE Part #1879353-7
RR02 5% 7K5 AMMO



TE Part #2834171-3
ULTRAMINIATURE SLIM CONTACT



TE Part #3-641192-2
02P MTA100 CONN ASSY BLU LF



Documents

Product Drawings

06P MTA156 ASSY 18AWG ORA LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-641148-6_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-641148-6_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-641148-6_S.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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