

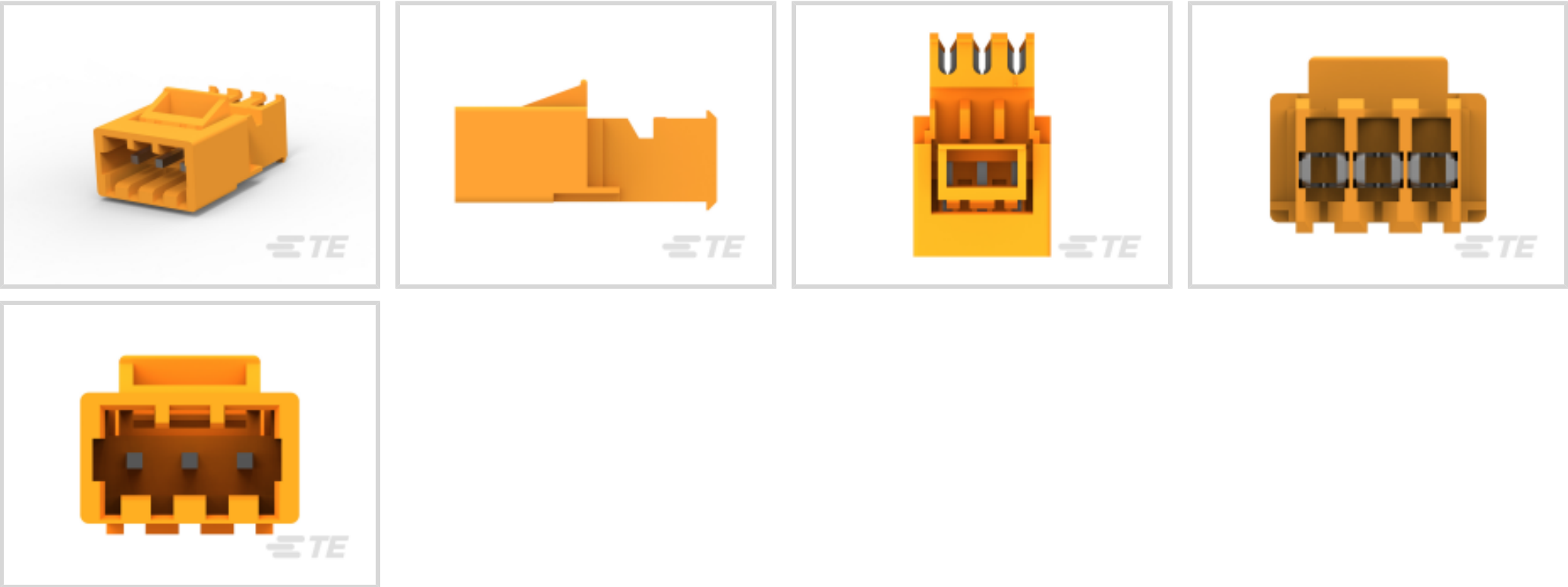


MTA 156

TE Internal #: 3-641522-3
Connector Assembly, Plug, Insulation Displacement (IDC), Wire-to-Wire, Tin (Sn), UL 94V-2, 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: **Plug**
Mating Alignment: **With**
Mating Alignment Type: **Polarization**
Mating Retention: **With**

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	0
Number of Power Positions	3
Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Body Features



Cable Exit Angle	90°
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Primary Product Color	Orange
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Contact Features

Contact Underplating Material	Nickel
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Contact Underplating Material Thickness	50 µm[1.27 µin]
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Wire Contact Termination Area Plating Material	Tin
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Contact Mating Area Plating Material Thickness	2.03 µm[80 µin]
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Contact Layout	Inline
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Contact Base Material	Copper Alloy
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Wire Contact Termination Area Plating Thickness	2.03 µm[80 µin]
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Contact Type	Pin
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Contact Mating Area Plating Material Finish	Matte
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Contact Mating Area Plating Material	Tin (Sn)
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Contact Retention Within Housing	With
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Contact Current Rating (Max)	7 A
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Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

Strain Relief	With
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Panel Mount Feature	Without
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Contact Retention Type Within Housing	Locking Lance
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Mating Alignment	With
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Mating Alignment Type	Polarization
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Mating Retention	With
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Mating Retention Type	Latch
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Compatible Insulation Diameter Range	2.41 mm[.095 in]
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Connector Height	12.37 mm
Wire Size	18 AWG
Connector Length	15.85 mm

Usage Conditions

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

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	2000
Packaging Method	Package

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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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

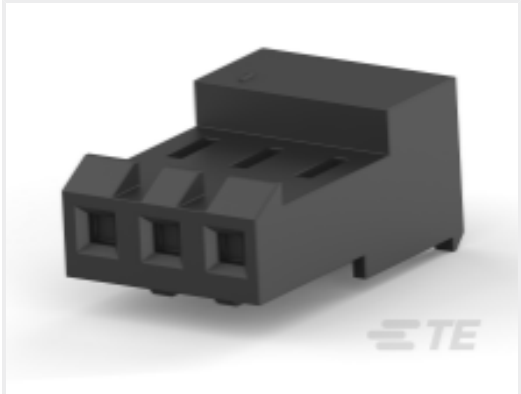
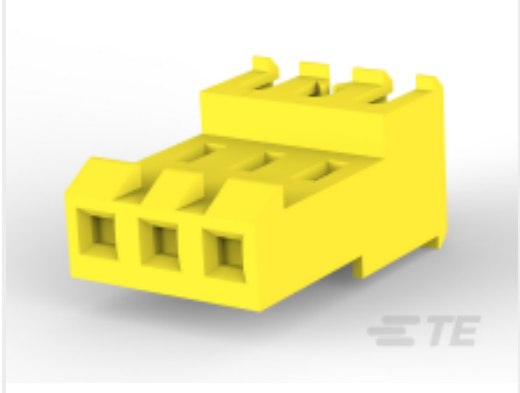
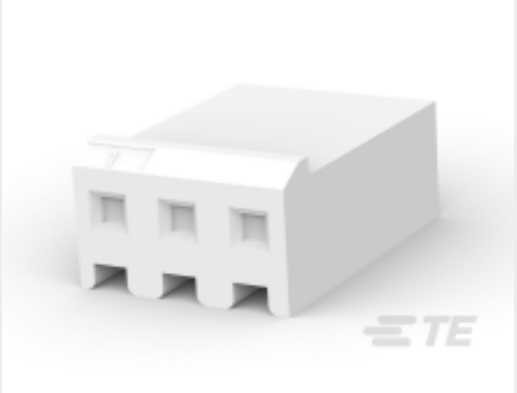
Product Compliance Disclaimer

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 # 3-640601-3 03P MTA156 CONN ASSY 22AWG LF	 TE Part # 3-640430-3 03P MTA156 CONN ASSY 26AWG BLU	 TE Part # 643071-3 03P MTA156 FD-THRU COVER	 TE Part # 3-640428-3 03P MTA156 CONN ASSY 22AWG RED
 TE Part # 3-644860-3 03P MTA156 CONN ASSY 18AWG LF	 TE Part # 3-640426-3 03P MTA156 CONN ASSY 18AWG ORA	 TE Part # 3-640427-3 03P MTA156 CONN ASSY 20AWG YEL	 TE Part # 3-640602-3 03P MTA156 CONN ASSY 24AWG LF
 TE Part # 640551-3 03P MTA156 COVER	 TE Part # 3-640472-3 03P MTA156 ASSY ON TAPE LF	 TE Part # 643067-3 03P MTA156 MOLDED COVER	 TE Part # 640643-3 03P MTA156 COVER F/T
 TE Part # 3-640600-3 03P MTA156 CONN ASSY 20AWG LF	 TE Part # 3-640429-3 03P MTA156 CONN ASSY 24AWG WHT	 TE Part # 3-640599-3 03P MTA156 CONN ASSY 18AWG ORA	 TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156

Also in the Series | MTA 156



Connector Caps & Covers(89)



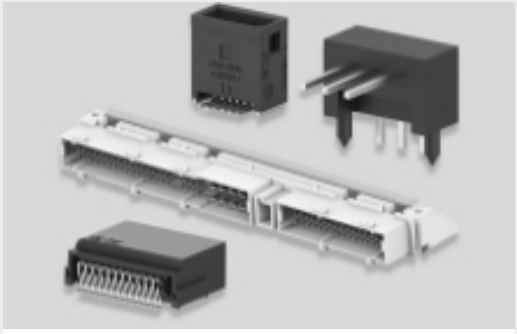
Connector Contacts(4)



Connector Hardware(2)



Insertion & Extraction Tools(1)



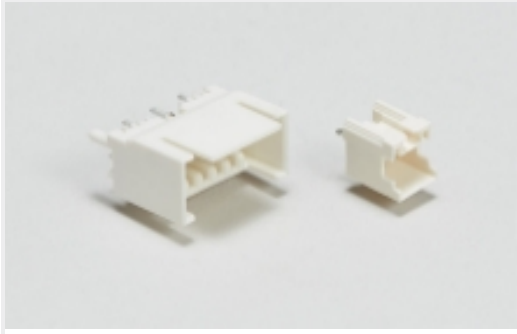
PCB Headers & Receptacles(677)



Power Contacts(3)



Rectangular Power Connectors(1178)



Wire-to-Board Headers & Receptacles (677)

Customers Also Bought



TE Part #1-770903-0
MINI UMNL PIN 22-18 AWG AU



TE Part #1586359-6
06P MINIUMNL GANG WIRE SEAL DR



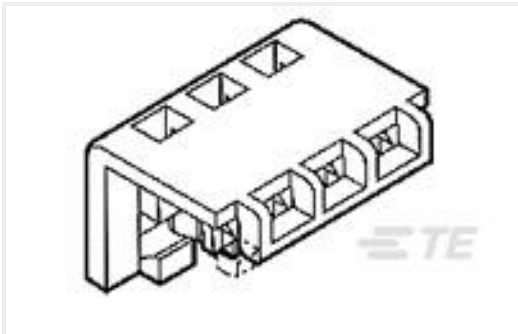
TE Part #3-640599-3
03P MTA156 CONN ASSY 18AWG ORA



TE Part #1-1827872-3
DYNAMIC 1100D HDR ASSY V 26P XBLACK GOLD



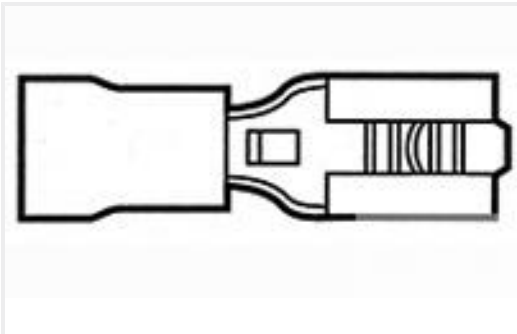
TE Part #350561-7
UMNL PIN 24-18 .0126 AU/Ni/BR



TE Part #643067-3
03P MTA156 MOLDED COVER



TE Part #1-770834-0
MINI UMNL SOK AU LF



TE Part #641321-2
RECEPT PIDG FASTON 26-24 187



TE Part #5-103951-3
5X4 MTE PIN SR RIBBED .100CL



TE Part #63130-3
SPLICE REC. 1500-5000 .020 TPBR

Documents



Product Drawings

03P MTA156 PSTD CONN ASSY ORNG

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-641522-3_J.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-641522-3_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-641522-3_J.3d_stp.zip

English

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

Product Specifications

Product Specification

English

Agency Approvals

Agency Approval Document

English