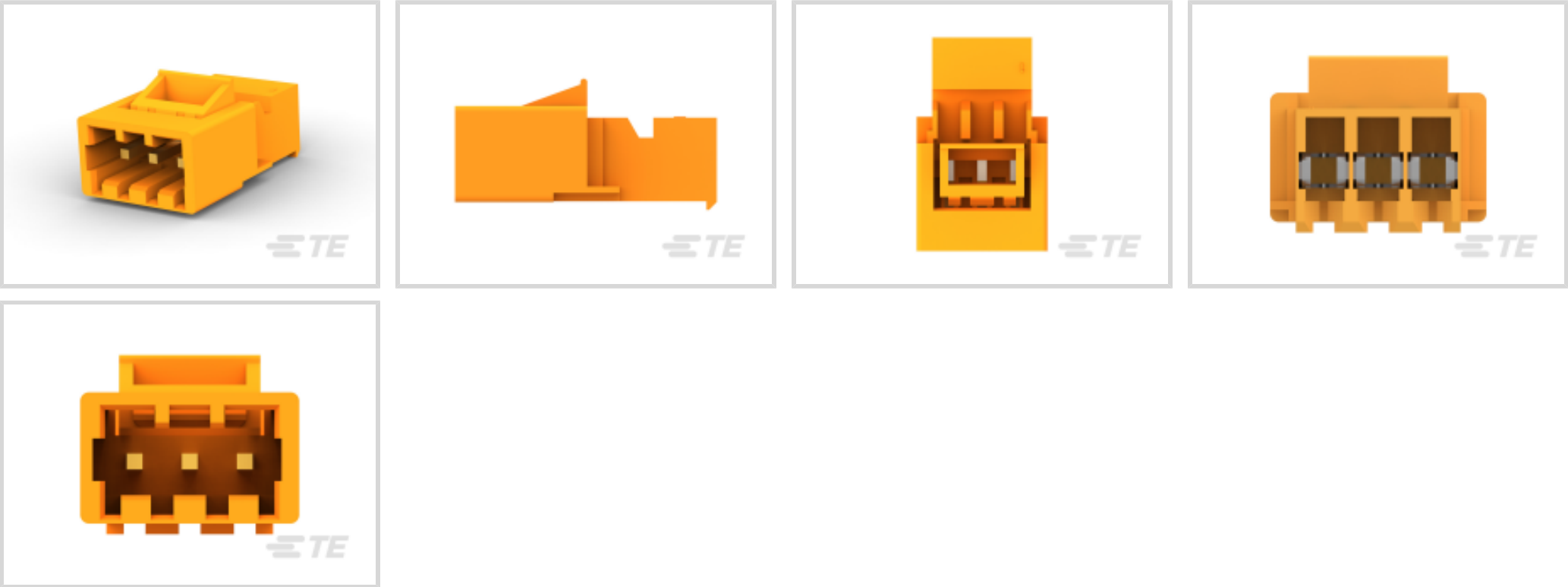




Connectors > Rectangular Connectors > Standard Rectangular Connectors



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 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

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 – 1.77 µm[1.27 – 1.77 µin]
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.076 µm, .38 µm[3 µin][15 µin]
Contact Layout	Inline
Contact Base Material	Copper Alloy
Wire Contact Termination Area Plating Thickness	2.03 – 5.08 µm[80 – 200 µin]
Contact Type	Pin
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)
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Mechanical Attachment

Strain Relief	With
Panel Mount Feature	Without
Contact Retention Type Within Housing	Locking Lance
Mating Alignment	With
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Latch
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	12.37 mm[.487 in]
Wire Size	18 AWG



Connector Length15.85 mm[.624 in]

Usage Conditions

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

Operation/Application

Circuit ApplicationPower

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 Quantity500

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: 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 CapabilityNot applicable for solder process capability









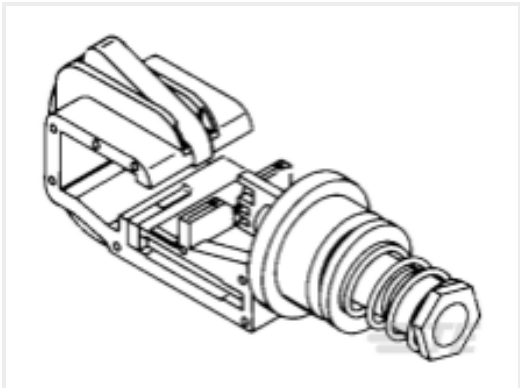



Product Compliance Disclaimer

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




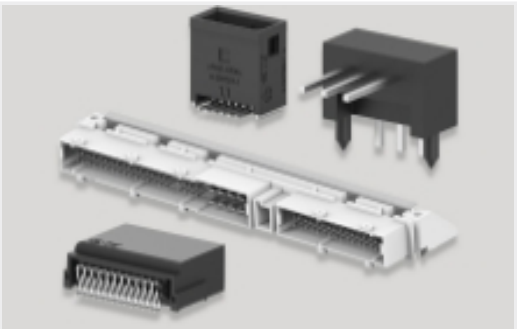


numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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

 <p>TE Part # 3-641151-3 03P MTA156 ASSY 24AWG WHT LF</p>	 <p>TE Part # 640551-3 03P MTA156 COVER</p>	 <p>TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME</p>	 <p>TE Part # 643067-3 03P MTA156 MOLDED COVER</p>
 <p>TE Part # 640643-3 03P MTA156 COVER F/T</p>	 <p>TE Part # 3-641150-3 03P MTA156 ASSY 22AWG RED LF</p>	 <p>TE Part # 643071-3 03P MTA156 FD-THRU COVER</p>	 <p>TE Part # 3-641170-3 03P MTA156 ASSY 22AWG RED LF</p>
 <p>TE Part # 58082-1 MTA 156 CRIMP HEAD PRODUCTION POSTED</p>	 <p>TE Part # CAT-103156-WBHSM Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156</p>	 <p>TE Part # 3-641148-3 03P MTA156 ASSY 18AWG ORA LF</p>	 <p>TE Part # 3-641168-3 03P MTA156 ASSY 18AWG ORA LF</p>

Also in the Series | MTA 156

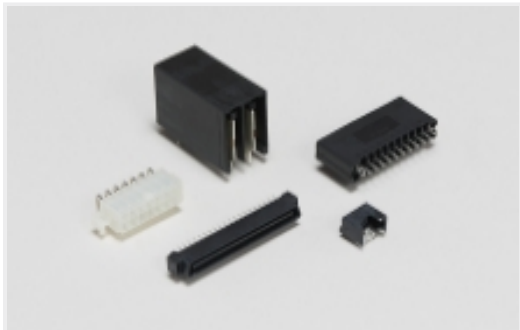
 <p>Connector Caps & Covers(89)</p>	 <p>Connector Contacts(4)</p>	 <p>Connector Hardware(2)</p>	 <p>PCB Headers & Receptacles(677)</p>
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Power Contacts(3)



Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)

Customers Also Bought



TE Part #3-644284-5
05P MTA156 ASSY 18AWG ORA LF



TE Part #456401-3
CRIMPER WIRE .042 F



TE Part #3-644467-2
02P MTA156 CONN ASSY 22AWG LF



TE Part #CAT-104MTA-NGPMR
Nylon Gold Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



TE Part #1971787-2
PTL RECEPTACLE CONTACT, 2X18 AWG



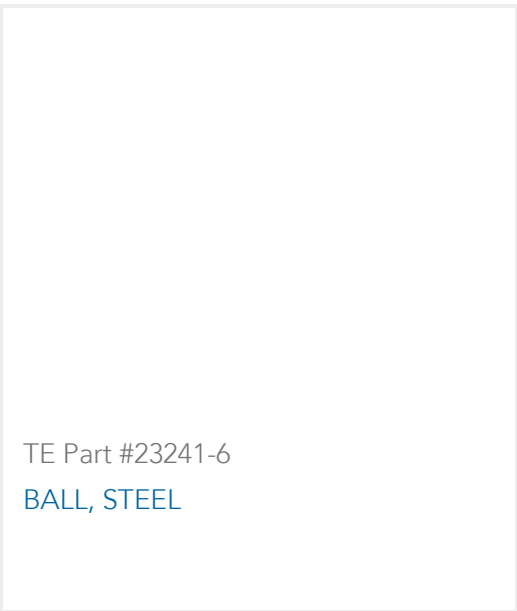
TE Part #3-640601-2
02P MTA156 CONN ASSY 22AWG LF



TE Part #3-641435-3
03P MTA156 CONN ASSY ORNG



TE Part #61188-1
250 FASTON FLAG REC 16-12 AWG TPBZ



TE Part #23241-6
BALL, STEEL

Documents

Product Drawings

03P MTA156 PSTD CONN 18AWG LF

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-647476-3_G.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_3-647476-3_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-647476-3_G.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

Product Specification

English

Product Specification

English

Agency Approvals

UL

English