3-641148-8 ✔ ACTIVE

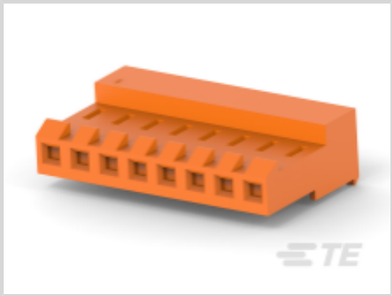
MTA 156

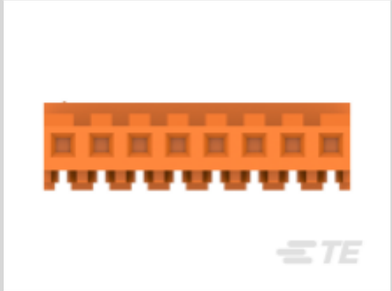
TE Internal #: 3-641148-8

8 Position, Receptacle, Connector Assembly, Insulation Displacement (IDC), Wire-to-Board, Gold (Au) / Gold Flash over Palladium Nickel, MTA 156

View on TE.com >

Connectors > Rectangular Connectors > Standard Rectangular Connectors





Connector Product Type: **Connector Assembly**

Mating Alignment: **Without**

Connector & Housing Type: **Receptacle**

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

Shielded: **No**

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

Body Features

Primary Product Color	Orange

Contact Features

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

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

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

Dimensions

Connector Width	9.02 mm[.355 in]
Connector Height	18.42 mm[.725 in]
Connector 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

Compatible With Agency/Standards Products	CSA, UL

UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 7189
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	250
Packaging Method	Bag/Box

Product Compliance

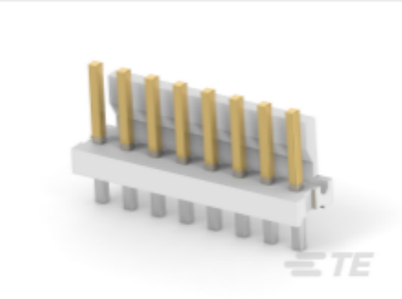
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 3-644766-8
08P MTA156 HDR ASSY STR SQ LF

TE Part # 3-644768-8
08P MTA156 HDR ASSY F/L SQ LF

TE Part # 58247-2
MTA 156 CRIMP HEAD PRODUCTION DISCRETE

TE Part # 641922-6
08P MTA156 HDR ASSY W/0#4,6

TE Part # 641922-2
08P MTA156 HDR ASSY STR W/O#3

TE Part # 3-641121-8
08P MTA156 HDR ASSY FL/RA LF

TE Part # 640643-8
08P MTA156 COVER F/T

TE Part # 3-641119-8
08P MTA156 HDR ASSY FL/ST LF

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

TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

TE Part # 58247-3
MTA 156 CRIMP HEAD PRODUCTION RBBN CABLE

TE Part # 643071-8
08P MTA156 FD-THRU COVER

TE Part # 641119-8
08P MTA156 HDR ASSY FL/ST 15AU

TE Part # 643067-8
08P MTA156 MOLDED COVER

TE Part # 640551-8
08P MTA156 COVER

TE Part # 641922-1
08P MTA156 HDR ASSY STR W/O#4

TE Part # 3-641120-8
08P MTA156 HDR ASSY FL/ST LF

TE Part # 641938-6
08P MTA156 HDR W/O#3 .045 RD

TE Part # 59804-1
MAINTENANCE TOOL

TE Part # 641922-3
08P MTA156 HDR ASSY STR W/O#2

Also in the Series | MTA 156

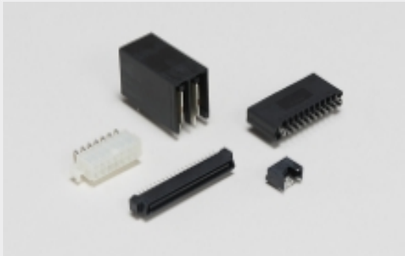
Connector Caps & Covers(89)

Connector Contacts(4)

Connector Hardware(2)

Power Contacts(3)

Rectangular Power Connectors(1178)



Standard Rectangular Connectors(667)

Wire-to-Board Connector Assemblies & Housings(594)

Customers Also Bought

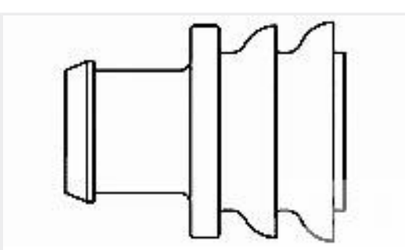
TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts

TE Part #DT04-2P
REC, 2P, GRY, N

TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL

TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

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

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

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

Agency Approvals

Agency Approval Document

English