



**SL-156**

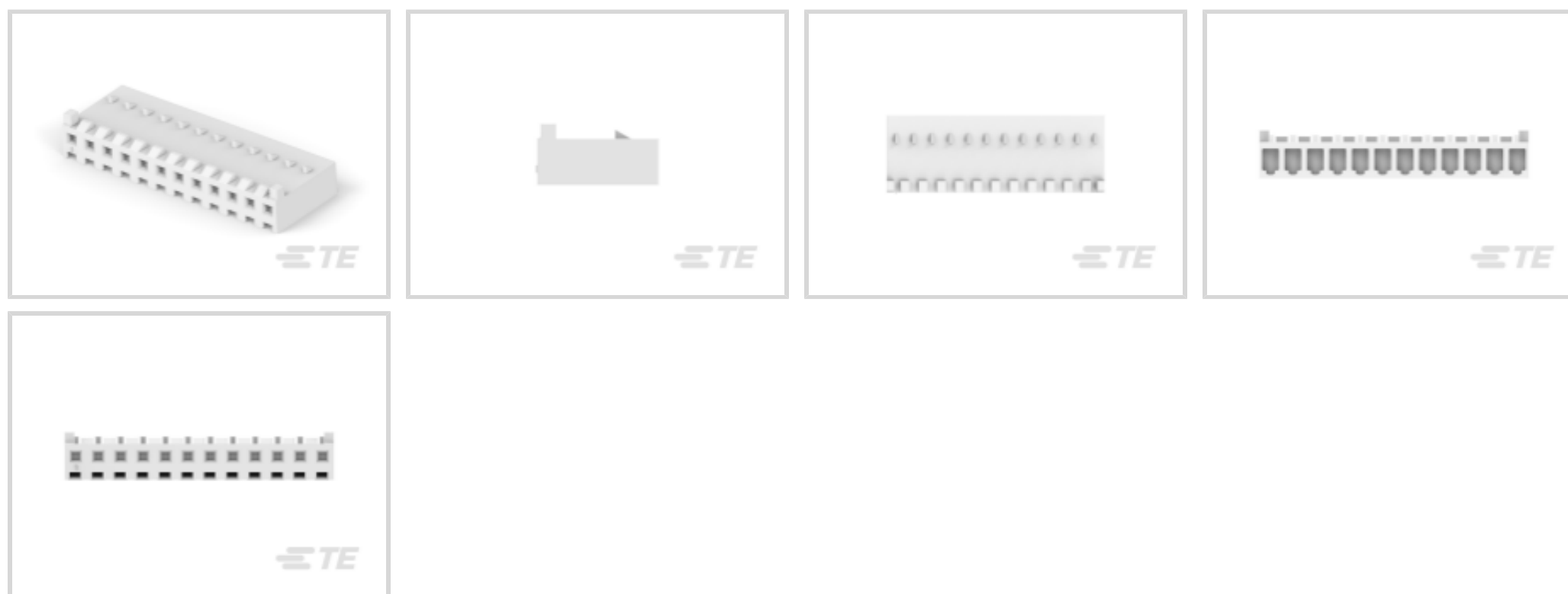
TE Internal #: 1-2132189-2

Housing, Receptacle, Wire-to-Board, 12 Position, 3.96 mm [.156 in] Centerline, Crimp, 1 Row, Natural, Mating Retention, Wire & Cable, SL-156

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings >

Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

Centerline (Pitch): **3.96 mm [.156 in]**

[All Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156 \(124\)](#)

**Features**

**Product Type Features**

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

**Configuration Features**

Number of Positions	12
Number of Rows	1

**Electrical Characteristics**

Operating Voltage	250 VAC
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**Contact Features**

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Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Type	Socket
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	6.5 A

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Strain Relief	Without
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Locking Ramp
Mating Retention	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	Nylon - GF
Centerline (Pitch)	3.96 mm [.156 in]
Housing Color	Natural

### Dimensions

Connector Length	47.52 mm [1.871 in]
Wire Size	.205 – .8 mm <sup>2</sup>

### Usage Conditions

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

Circuit Application	Power & Signal
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### Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
UL File Number	E28476
UL Rating	Listed
Agency/Standard	CSA, UL



CSA File Number	LR 7189
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### Packaging Features

Packaging Quantity	500
Packaging Method	Bag

### Other

Comment	Unit Accepts 1.14[.045] Square or Round Post, Accepts Keying Plug 640254-1 and 640255-1
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### 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # CAT-103156-WBHSM  
Receptacle Housing: Wire-to-Board, with Mating Alignment, SL156



TE Part # 4-641210-2  
12P MTA156 HDR FLRA FB 30AU LF



TE Part # 4-641435-2  
12P MTA156 CONN ASSY ORNG



TE Part # 1-640389-2  
12P MTA156 HDR ASSY SQ R/A F/L



TE Part # 1-640551-2  
12P MTA156 COVER



TE Part # 1-640388-2  
12P MTA156 HDR ASSY RN STR F/L



TE Part # 1-644752-2  
12P MTA156 HDR ASSY SQ STR F/L



TE Part # 1-640445-2  
12P MTA156 HDR ASSY FL/STR SN



TE Part # 640254-1  
KEYING PLUG .045 SQ PST CONN



TE Part # 1-640383-2  
12P MTA156 HDR ASSY STR SQ SN



TE Part # 1-643067-2  
12P MTA156 MOLDED COVER



TE Part # 4-641208-2  
12P MTA156 HDR ASSY FL ST LF



TE Part # 4-644615-2  
12P MTA156 POL HDR ASSY LF



TE Part # 1-640384-2  
12P MTA156 HDR ASSY STR RND SN



TE Part # 1-640385-2  
12P MTA156 HDR ASSY SQ R/A



TE Part # 1-640387-2  
12P MTA156 HDR ASSY SQ R/A



TE Part # 1-643071-2  
12P MTA156 FD-THRU COVER



TE Part # 3-647123-2  
12P MTA156 SHRD HDR ASSY SQ SN



TE Part # 1-644753-2  
12P MTA156 HDR ASSY RN STR F/L



TE Part # 2-2132074-0  
20Pos SL156 Contact Retainer

Also in the Series | **SL-156**



Insertion &amp; Extraction Tools(1)



PCB Connector Keying(2)



PCB Latches, Locks &amp; Retainers(1)



Rectangular Connector Housings(12)



Rectangular Connector Keying Plugs(1)



Wire-to-Board Connector Assemblies &amp; Housings(158)



Wire-to-Board Connector Contacts(24)

## Documents

### Product Drawings

12P SL156 HSG W/LCK RMP, TABS & RTNR

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2132189-2\\_C\\_c-1-2132189-2-c.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2132189-2\\_C\\_c-1-2132189-2-c.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2132189-2\\_C\\_c-1-2132189-2-c.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

7-1773461-7\_SL-156\_CONNECTOR\_TPA\_DEVICE

English

### Product Specifications

Product Specification

English

### Instruction Sheets

Instruction Sheet (U.S.)



English

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[Agency Approvals](#)

[Agency Approval Document](#)

English