

070 MLC CAP H ASSY SGL 6P NAT.

✓ ACTIVE

Multilock Connector System

TE Part # 175783-1

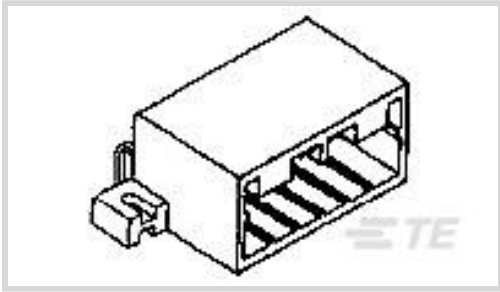
TE Internal #: 175783-1

LOW & MEDIUM POWER HEADER

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Connectors > Automotive, Truck, Bus, & Off-Road Connectors > PCB Headers > LOW & MEDIUM POWER HEADER



Centerline (Pitch): 3.5 mm [.138 in]

Sealable: No

Mounting Orientation: Horizontal/90°

Number of Rows: 1

Color: White

[All LOW & MEDIUM POWER HEADER \(199\)](#)

Features

Product Type Features

Hybrid Header	No
Shielded	No
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	1
Number of Signal Positions	6
Number of Rows	1

Electrical Characteristics

Voltage Rating (Max)	12 VDC
Operating Voltage	12 VDC
Nominal Voltage Architecture	12 V

Body Features

Color	White
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Contact Features

Tab Width	1.8 mm[.071 in]
Tab Thickness	.64 mm[.025 in]



Interface Plating	Tin (Sn)
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Termination Features

Termination Method	Through Hole - Solder
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Mechanical Attachment

Locking Interface	With
PCB Mount Alignment	Without
Mounting Holes	With
Panel Mount Feature	Without
PCB Mount Retention	Without
PCB Mount Retention Type	Mounting Hole
Mounting Orientation	Horizontal/90°

Housing Features

Centerline (Pitch)	3.5 mm[.138 in]
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Dimensions

Length	20.42 mm[.804 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	12.5 mm[.492 in]
Width	34.8 mm[1.37 in]

Usage Conditions

Operating Temperature (Max)	100 °C, 105 °C, 65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C[149 °F][158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F]
Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-2
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Packaging Features

Packaging Type	Loose Piece
Packaging Quantity	50

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

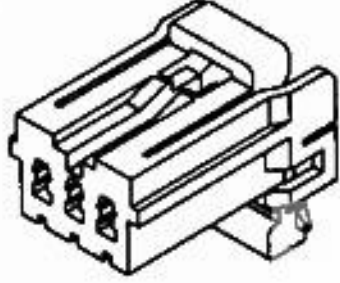
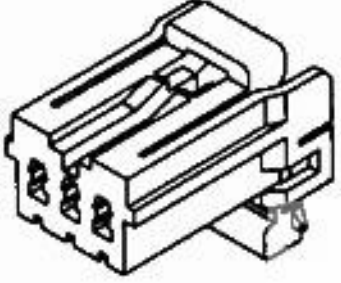
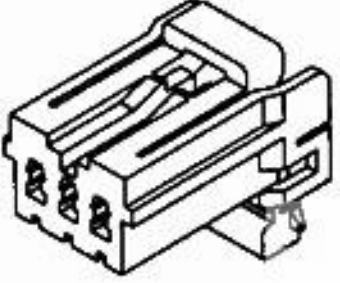
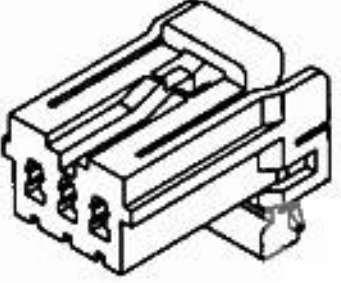


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JUN 2018 (191)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 240°C

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

			
TE Part # 1-174923-1 070 MLC W-W PLUG HSG 6P F/A	TE Part # 174923-1 070 MLC PLUG 6P	TE Part # 174923-6 070 MLC PLUG HSG 6P GRAY	TE Part # 174923-2 070 MLC W-W PLUG HSG 6P SGL

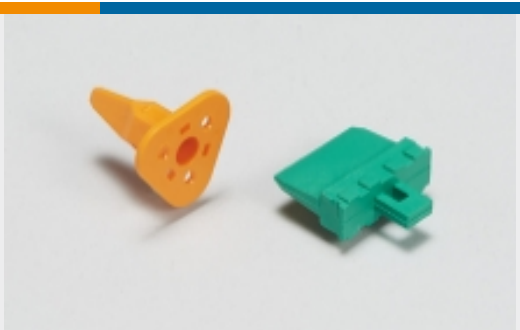
Also in the Series | Multilock Connector System



Automotive Connector
Caps & Covers(16)



Automotive Connector
EMC Shielding(1)



Automotive Connector
Locks & Position Assurance
(2)



Automotive Seals & Cavity
Plugs(2)



Automotive, Truck, Bus, &
Off-Road Headers(137)



Automotive, Truck, Bus, &
Off-Road Housings(577)

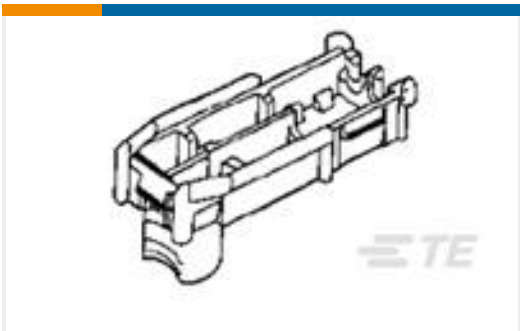


Automotive, Truck, Bus, &
Off-Road Terminals(142)

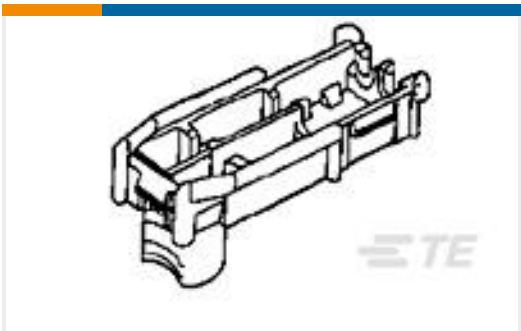


Other Automotive
Connector Accessories(9)

Customers Also Bought



TE Part #353378-7
SQUIB CONN HSG
YELLOW



TE Part #353377-7
SQUIB CONN HSG
YELLOW



TE Part #1376689-1
11DIA SQUIB SLIM LOCK
BUTTON

Documents

Product Drawings

070 MLC CAP H ASSY SGL 6P NAT.

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_175783-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_175783-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_175783-1_A.3d_stp.zip

English



Product Specifications

Product Specification

Japanese

Product Environmental Compliance

Product Compliance

English

Product Compliance

English