



Connectors > PCB Connectors > PCB Headers & Receptacles > Low & Medium Power Header



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

Number of Positions: **30**

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

Sealable: **No**

PCB Mount Orientation: **Vertical**

[All Low & Medium Power Header \(99\)](#)

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Sections	2
Number of Signal Positions	8
Number of Positions	30
PCB Mount Orientation	Vertical
Number of Rows	2



Electrical Characteristics

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

Body Features

Primary Product Color	White
-----------------------	-------

Contact Features

Contact Size	1.8mm
Contact Type	Tab
Mating Tab Width	1.8 mm[.071 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Mating Area Plating Material	Tin

Termination Features

Termination Method to PCB	Through Hole - Screw
---------------------------	----------------------

Mechanical Attachment

Mounting Holes	With
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Retention Type	Locking Interface

Housing Features

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

Dimensions

Connector Length	15.8 mm[.622 in]
Connector Width	75.5 mm[2.972 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Profile Height from PCB	23.5 mm[.925 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °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	
Shielded	No
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	60
Packaging Method	Tube
Other	
Interface Number	173853

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 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-M9194-CH8172
MULTILOCK, CONNECTOR HOUSING

Also in the Series | Multilock Connector System

Automotive Connector Caps & Covers
(6)

Automotive Housings(165)

Automotive Terminals(84)

Insertion & Extraction Tools(6)

Other Automotive Connector
Accessories(4)

PCB Headers & Receptacles(90)

Customers Also Bought

TE Part #292173-8
CT BOX HDR H SMT 8P O/TAPE BLA

TE Part #DRC22-50P04
DEUTSCH DRC Headers

TE Part #1-174955-1
070 MLC CAP ASSY V 8P

TE Part #1939349-1
0.5 SEALED RECEPTACLE CONTACT
Sn



TE Part #174935-1
070 MLC W-W CAP HSG 18P

TE Part #174931-1
070 MLC W-W CAP HSG 8P NATURAL

TE Part #1376966-1
FS2N76.2A40 FSJ (FSN-73A-40)

TE Part #2-1447188-4
FSN-25A-11=JUMPER NOMEX

TE Part #6-1437137-3
FSN-21.5A-30=NOMEX FS STD

Documents

Product Drawings

070 MLC CAP ASSY V 30P

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-174961-1_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-174961-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-174961-1_E.3d_stp.zip

English

3D PDF

English

Customer View Model

ENG_CVM_1-174961-1_F1.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-174961-1_F1.3d_igs.zip

English

Customer View Model

ENG_CVM_1-174961-1_F1.3d_stp.zip

English



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

Product Specifications

.070 Series Multilock I/O Connector (MLC) MK-II for P.C.B.

Japanese

Product Specification

Japanese

Product Specification

Japanese