

282526-7 ✓ ACTIVE

## Multilock Connector System

TE Internal #: 282526-7

PCB Mount Header, Vertical, Wire-to-Board, 20 Position, .138 in [3.5 mm] Centerline, Fully Shrouded, Tin (Sn), Multilock Connector System

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Connectors > PCB Connectors > PCB Headers & Receptacles > LOW & MEDIUM POWER HEADER



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

Number of Positions: **20**

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

Sealable: **No**

PCB Mount Orientation: **Vertical**

[All LOW & MEDIUM POWER HEADER \(153\)](#)

## Features

### Product Type Features

Hybrid Header	No
Connector & Housing 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	1
Number of Signal Positions	20
Number of Positions	20
PCB Mount Orientation	Vertical
Number of Rows	2



### Electrical Characteristics

Voltage Rating (Max)	24 VDC
Nominal Voltage Architecture	12 V, 24 V
Operating Voltage	24 VDC

### Body Features

Primary Product Color	Blue
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### Contact Features

Contact Size	1.8mm
Contact Type	Tab
Mating Tab Width	1.7 mm[.067 in]
Mating Tab Thickness	.64 mm[.025 in]
Contact Mating Area Plating Material	Tin (Sn)

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mounting Holes	Without
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Solder Tail

### Housing Features

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

Connector Length	47.7 mm[1.878 in]
Connector Width	15.8 mm[.622 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]
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Operating Temperature Range -30 – 105 °C[-22 – 221 °F]

### Operation/Application

Shielded	No
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	None
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### Packaging Features

Packaging Type	Tube
Packaging Quantity	50

### Other

Interface Number	282369-2
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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 lead free process capable

#### 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

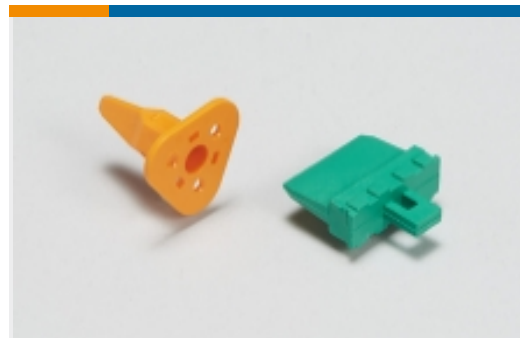
## Also in the Series | Multilock Connector System



Automotive Connector Caps & Covers (16)



Automotive Connector EMC Shielding (1)



Automotive Connector Locks & Position Assurance(2)



Automotive Housings(575)



Automotive Seals & Cavity Plugs(2)



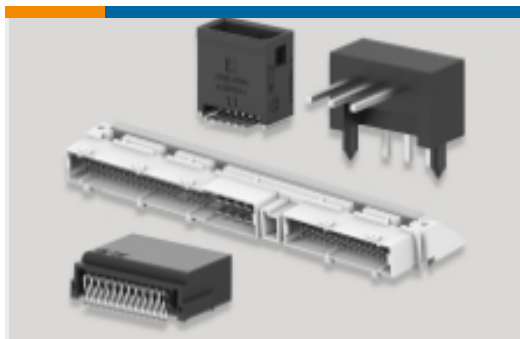
Automotive Terminals(140)



Insertion & Extraction Tools(6)



Other Automotive Connector Accessories(9)



PCB Headers & Receptacles(129)

## Customers Also Bought



TE Part #963357-5  
LOW & MEDIUM POWER HEADER



TE Part #1241050-3  
2x3P MOD II BREAK AWAY HDR,SMD,  
BLISTER



TE Part #2-966658-2  
32pos MQS .63 header 180deg



TE Part #927367-1  
8P MIN D-FLACHF GEH



TE Part #1-968853-3  
AMP MCP, RECEPTACLE AND TAB



TE Part #953264-2  
SIGNAL HEADER



TE Part #825433-2  
MOD 2 PINHDR 1X2 P.

## Documents

### Product Drawings

#### 20P 070 MLK CAP HEAD ASSY

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_282526-7\\_C.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_282526-7\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_282526-7\\_C.3d\\_stp.zip](#)

English

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_282526-7\\_A2.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_282526-7\\_A2.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_282526-7\\_A2.3d\\_stp.zip](#)

English



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

## Product Specifications

### Product Specification

English

### 070 series multilock conns.

English