## 3-111623-1 ACTIVE

#### **AMP-LATCH**

TE Internal #: 3-111623-1

Ribbon Cable Connectors, Wire-to-Board, 12 Position, 2 mm [.079 in] Centerline, 2 Row, Receptacle, Low Profile, Polarization Mating

Alignment Type
View on TE.com >



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors











Connector System: Wire-to-Board

Number of Positions: 12

Centerline (Pitch): 2 mm [.079 in ]
Row-to-Row Spacing: 2 mm [.1 in ]

Number of Rows: 2

### **Features**

### **Product Type Features**

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Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Number of Positions	12
Number of Rows	2
Electrical Characteristics	
Insulation Resistance	5000 ΜΩ
Operating Voltage	125 VAC
Body Features	
Daisy Chain	Without

Black

Low

Primary Product Color

Connector Profile



Contact Features	
Mating Square Post Dimension	.5 mm[.02 in]
Mating Pin Diameter	.5 mm[.02 in]
Contact Type	Socket
Wire Contact Termination Area Plating Thickness	.127 μm[5 μin]
Wire Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 μm[29.92 μin]
Contact Shape & Form	Single Beam
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	.5 A
Termination Features	
Termination Method to Wire & Cable	Insulation Displacement (IDC)
Mechanical Attachment	
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Cable Mount (Free-Hanging)
Housing Features	
Housing Material	Polyester
Centerline (Pitch)	2 mm[.079 in]
Dimensions	
Connector Length	17.15 mm[.675 in]
Connector Height	8.48 mm[.334 in]
Connector Width	5.58 mm[.22 in]
Wire Size	.08 mm <sup>2</sup>
Compatible Insulation Diameter Range	.71 – .87 mm[.028 – .034 in]
Row-to-Row Spacing	2 mm[.1 in]
Usage Conditions	



Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Circuit Application	Signal
Industry Standards	
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	60
Packaging Method	Box & Tube, Tube

### **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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

#### Product Compliance Disclaimer

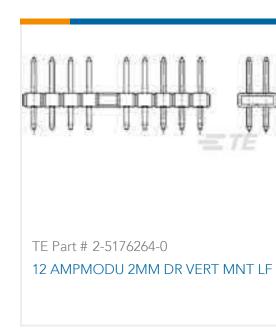
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



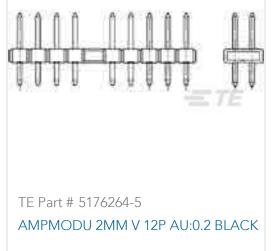
## **Compatible Parts**

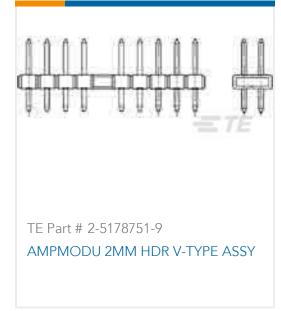












# Customers Also Bought









FPC CONN. 0.5MM PITCH B/C, 8P

TE Part #5-103634-2 03 MTE HDR SRRA LATCH.100CL LF

TE Part #5-103908-2
03 MTE HDR SRST LATCH W/HLDWN

TE Part #5-103634-1
02 MTE HDR SRRA LATCH.100CL LF



TE Part #1-2373378-2 12P,2MM,SHRD HDR,DRVT,SMD,0.76 AU,TB



TE Part #1SNA115657R2500 M4/8.SF



TE Part #524451-E MCBP 8 F 2 035 137 \* 197 1,27 TRAY VR2 J



TE Part #60-0200-080-000
BANDOLEER CONTACT SOCKET 1
MM

TE Part #6-1768033-3 LEB-0920P-9

TE Part #1411006-1 RESOLVER V23401-D1001-C801



### **Documents**

### **Product Drawings**

012 2MM CTR 30DP FT

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_3-111623-1\_K.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_3-111623-1\_K.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_3-111623-1\_K.3d\_stp.zip

English

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

### Datasheets & Catalog Pages

**Ribbon Cable Interconnect Solutions** 

English

### **Product Specifications**

**Application Specification** 

English

## **Instruction Sheets**

Instruction Sheet (U.S.)

English