

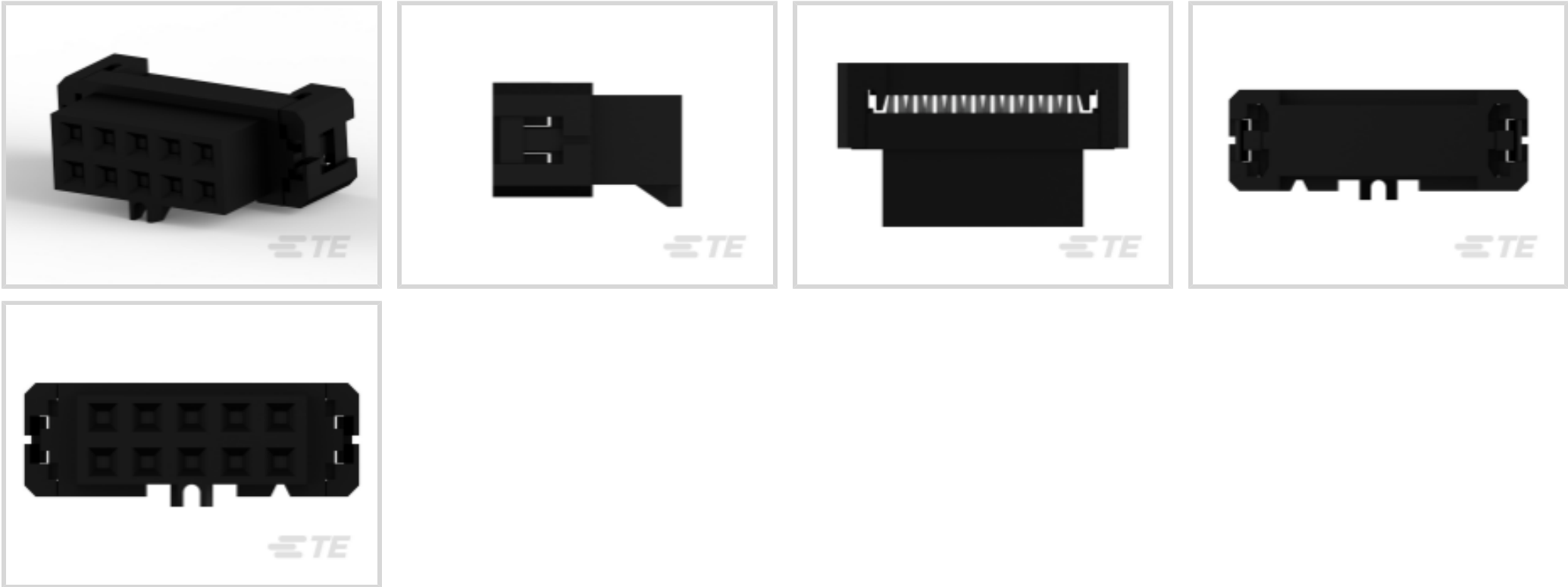


AMP-LATCH

TE Internal #: 1-111623-8
Wire-to-Board, 10 Position, 2 mm [.079 in] Centerline, 2 Row,
Receptacle, Low Profile, Polarization Mating Alignment Type,
Ribbon Cable Connectors

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



Connector System: **Wire-to-Board**
Number of Positions: **10**
Centerline (Pitch): **2 mm [.079 in]**
Row-to-Row Spacing: **2 mm [.1 in]**
Number of Rows: **2**

Features

Product Type Features

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	10
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	125 VAC

Body Features

Daisy Chain	Without
Primary Product Color	Black
Connector Profile	Low



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)
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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	15.16 mm[.597 in]
Connector Height	8.48 mm[.334 in]
Connector Width	5.58 mm[.22 in]
Wire Size	.08 mm²
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]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Rating	Recognized
Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	90
Packaging Method	Box & Tray, Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

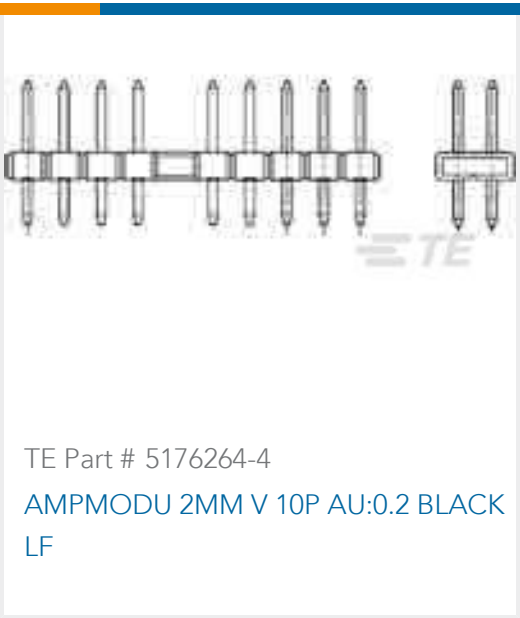
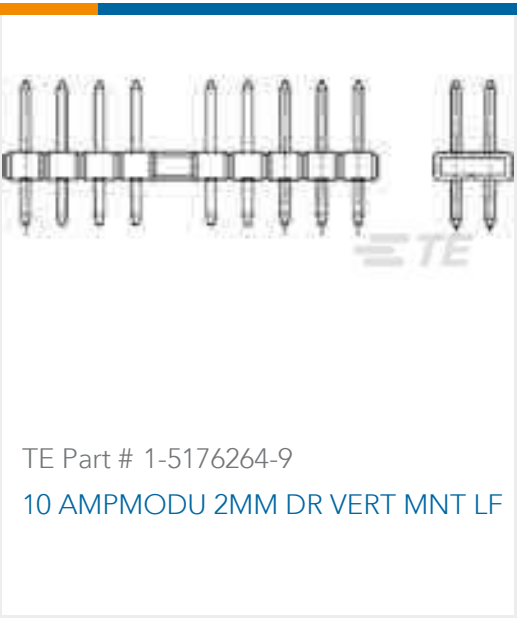
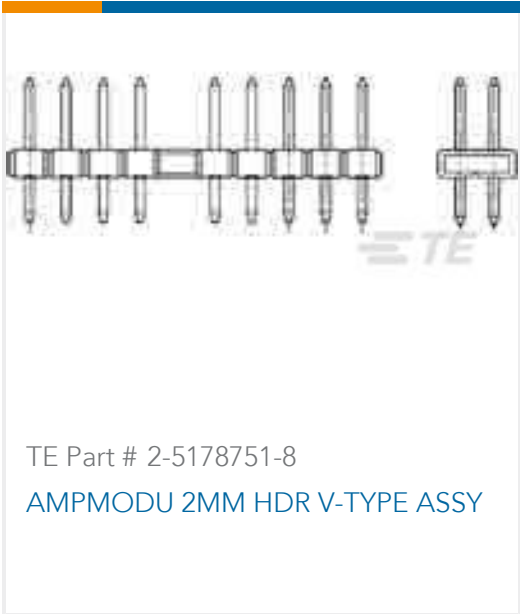
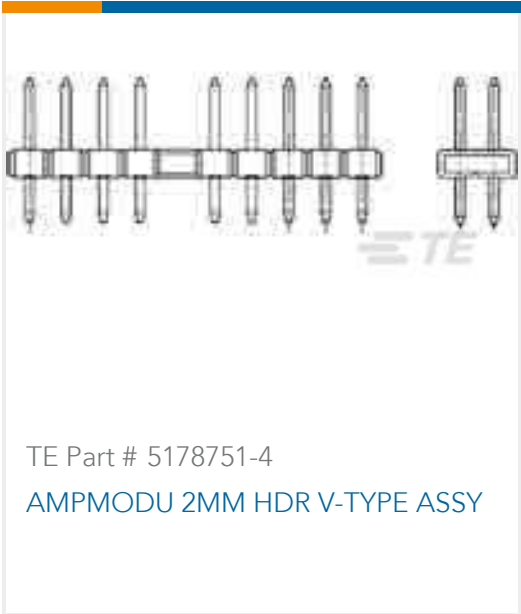
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

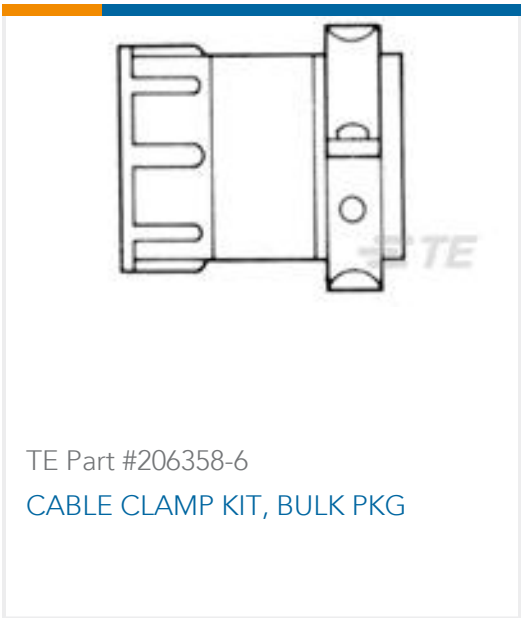
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 111620-1 2MM KEYING PLUG, COMB OF 10	 TE Part # 5176837-4 10 AMPMODU 2MM, H, AU, LF	 TE Part # 5176264-4 AMPMODU 2MM V 10P AU:0.2 BLACK LF	 TE Part # 1-5176264-9 10 AMPMODU 2MM DR VERT MNT LF
 TE Part # 2-5178751-8 AMPMODU 2MM HDR V-TYPE ASSY	 TE Part # 5178751-4 AMPMODU 2MM HDR V-TYPE ASSY		

Customers Also Bought

 TE Part #4-640440-6 16P MTA100 CONN ASSY 22AWG RED	 TE Part #206358-6 CABLE CLAMP KIT, BULK PKG	 TE Part #6-2176231-6 3522 5K1 1% 3W	 TE Part #4-1879071-8 THS50 500R 5%
 TE Part #8-31880-1 PIDG R 22-16 COMM 22-18 MIL 4	 TE Part #2-111623-0 16, 2MM, POL, 30 DP, LEAD FREE	 TE Part #NB17574001 RT-375-2-X-SP	 TE Part #1005801-1 20AWG SPIRAL WRAP PIEZO

Documents

Product Drawings
10, 2MM, POL, 30 DP, LEAD FREE

English

CAD Files
3D PDF
3D



Customer View Model

[ENG_CVM_CVM_1-111623-8_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-111623-8_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-111623-8_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

Agency Approvals

[Agency Approval Document](#)

English