

# 16 NOVO MIL/CTR 30DP, LEAD FREE ✓ ACTIVE

AMP-LATCH | AMP-LATCH - NOVO

TE Part # 1658622-3

TE Internal #: 1658622-3

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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: **16**

Centerline (Pitch): **2.54 mm [ .1 in ]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

|                                   |                    |
|-----------------------------------|--------------------|
| Product Type                      | Connector          |
| Board Standoff                    | Without            |
| Connector Type                    | Connector Assembly |
| Wire/Cable Type                   | Ribbon Cable       |
| Header Type                       | Pin Header         |
| Connector System                  | Wire-to-Board      |
| Row-to-Row Spacing                | 2.54 mm[.1 in]     |
| Connector Style                   | Receptacle         |
| Profile                           | Low                |
| Connector & Contact Terminates To | Wire & Cable       |

### Configuration Features

|                       |          |
|-----------------------|----------|
| Ejection Latches      | Without  |
| Number of Positions   | 16       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |



### Electrical Characteristics

|                       |         |
|-----------------------|---------|
| UL Voltage Rating     | 250 VAC |
| Insulation Resistance | 5000 MΩ |
| Operating Voltage     | 250 VAC |

### Body Features

|             |         |
|-------------|---------|
| Daisy Chain | Without |
|-------------|---------|

### Contact Features

|  |   |
|--|---|
| Contact Termination Area Plating Material  | Tin   |
| Contact Design                             | Tuning Fork                                   |
| Contact Transmits (Typical)                | Signal (Data)                                 |
| Contact Mating Area Plating Thickness      | .76 μm[29.92 μin]                             |
| Contact Termination Area Plating Thickness | 1.27 μm[50 μin]                               |
| Contact Type                               | Socket  |
| Contact Mating Area Plating Material       | Gold or Palladium Nickel or Performance Based |
| Contact Base Material                      | Phosphor Bronze                               |
| Contact Current Rating (Max)               | 1 A   |

### Termination Features

|   |                                     |
|---|-------------------------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder               |
| Termination Method to Wire & Cable          | Insulation Displacement Crimp (IDC) |

### Mechanical Attachment

|                         |                            |
|-------------------------|----------------------------|
| Polarization            | With                       |
| Mating Alignment        | With                       |
| PCB Mount Alignment     | Without                    |
| Panel Mount Feature     | Without                    |
| PCB Mount Retention     | Without                    |
| Mating Alignment Type   | Polarization               |
| Mating Connector Lock   | Without                    |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

### Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Thermoplastic  |
| Housing Color      | Black          |
| Centerline (Pitch) | 2.54 mm[.1 in] |



### Dimensions

|  |                               |
|--|-------------------------------|
| Length                                 | 24.89 mm[.9799 in]            |
| Accepts Wire Insulation Diameter Range | .787 – .94 mm[.031 – .037 in] |
| Width                                  | 7.49 mm[.2949 in]             |
| Height                                 | 15.16 mm[.5968 in]            |
| Wire Size                              | .08 – .15 mm <sup>2</sup>     |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

|                        |            |
|------------------------|------------|
| CSA File Number        | LR 7189    |
| UL File Number         | E28476     |
| UL Rating              | Recognized |
| Agency/Standard        | CSA, UL    |
| UL Flammability Rating | UL 94V-0   |

### Packaging Features

|                    |                  |
|--------------------|------------------|
| Packaging Quantity | 50               |
| 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: JAN 2019 (197)<br>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                     | 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 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



Ribbon Cable Connectors  
(55)



Ribbon Connector  
Accessories(1)

### Also in the Series | AMP-LATCH - NOVO



Ribbon Cable Connectors  
(47)



Ribbon Connector  
Accessories(10)

### Customers Also Bought



TE Part #1658622-6  
26 NOVO MIL/CTR 30DP,  
LEAD FREE



TE Part #499252-8  
016 STRAIN RELIEF A-L  
RCPT



TE Part #102387-4  
20 MODIV HSG COMP DR  
.100 POL



TE Part #102387-1  
10 MODIV HSG COMP DR  
.100 POL



TE Part #499252-3  
026 STRAIN RELIEF A-L  
RCPT



TE Part #102387-3  
16 MODIV HSG COMP DR  
.100 POL



TE Part #66504-3  
20 DF SCKT CONT



TE Part #1658622-1  
10 NOVO MIL/CTR 30DP,  
LEAD FREE



TE Part #1658622-4  
20 NOVO MIL/CTR 30DP,  
LEAD FREE



TE Part #499252-5  
010 STRAIN RELIEF A-L  
RCPT

## Documents

### Product Drawings

[16 NOVO MIL/CTR 30DP,LEAD FREE](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1658622-3\\_B.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1658622-3\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1658622-3\\_B.3d\\_stp.zip](#)

English

### Datasheets & Catalog Pages

[Ribbon Cable Interconnect Solutions](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English



**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English

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**Agency Approvals**

[Agency Approval Document](#)

English