

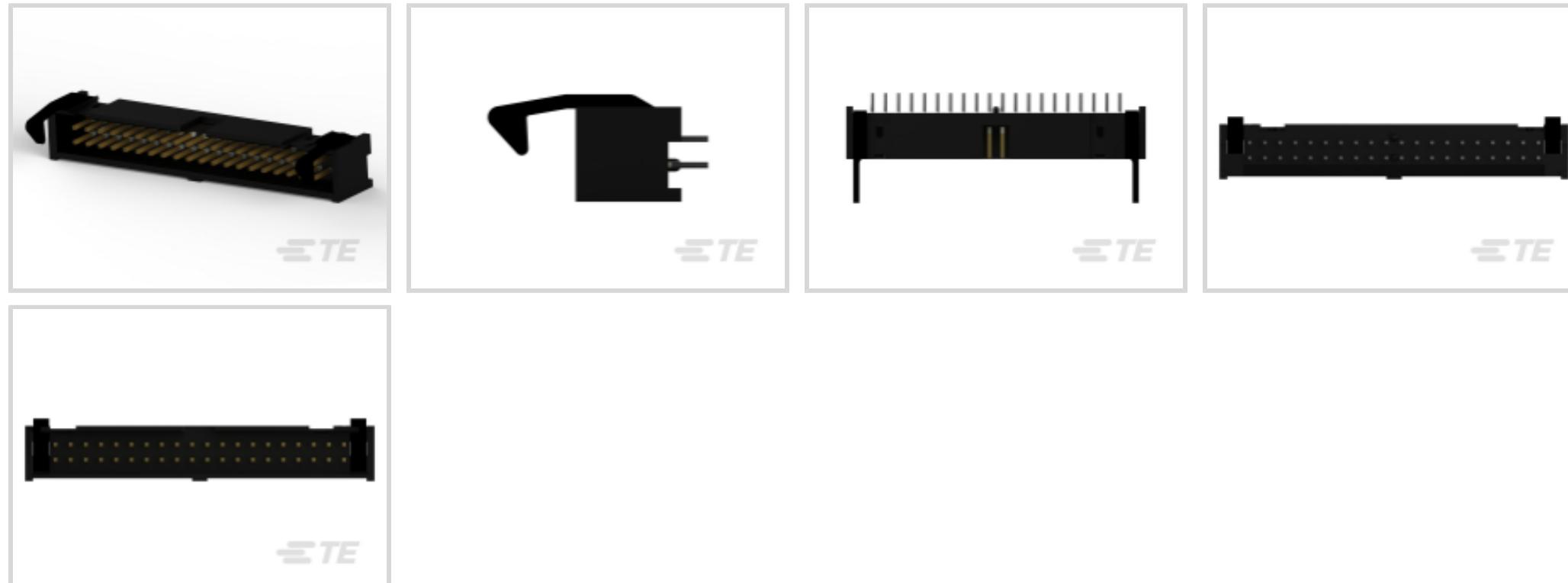
## AMP-LATCH

TE Internal #: 1-1761608-3

Ribbon Cable Connectors, Wire-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Low Profile

[View on TE.com >](#)

Connectors &gt; PCB Connectors &gt; Wire-to-Board Connectors &gt; FFC, FPC &amp; Ribbon Connectors &gt; Ribbon Cable Connectors

Connector System: **Wire-to-Board**Number of Positions: **40**Centerline (Pitch): **2.54 mm [.1 in]**PCB Mount Retention: **Without**PCB Mount Orientation: **Vertical****Features****Product Type Features**

Ribbon Cable Connector Header Type	Pin Header
Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Number of Positions	40
PCB Mount Orientation	Vertical
Number of Rows	2

**Electrical Characteristics**

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

**Body Features**

Daisy Chain	With
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Primary Product Color	Black
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Connector Profile	Low
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#### Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
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Mating Pin Diameter	.64 mm[.025 in]
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Contact Type	Pin
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Contact Mating Area Plating Material Thickness	.762 $\mu\text{m}$ [30 $\mu\text{in}$ ]
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Contact Mating Area Plating Material	Gold Flash
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Contact Shape & Form	Square
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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Contact Current Rating (Max)	1 A
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#### Termination Features

Round Termination Post & Tail Diameter	.64 mm[.025 in]
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Termination Post & Tail Length	2.6 mm[.102 in]
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Termination Method to Printed Circuit Board	Through Hole - Solder
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#### Mechanical Attachment

Mating Alignment	With
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PCB Mount Alignment	Without
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Panel Mount Feature	Without
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PCB Mount Retention	Without
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Mating Alignment Type	Center
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Mating Retention	With
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Mating Retention Type	Ejection Latch
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Connector Mounting Type	Board Mount
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#### Housing Features

Mating Entry Location	Top
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Housing Material	PBT
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Centerline (Pitch)	2.54 mm[.1 in]
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#### Dimensions

Shrouded End Dimension	3.76 mm[.148 in]
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Connector Length	58.52 mm[2.3 in]
Connector Height	9.19 mm[.36 in]
Row-to-Row Spacing	2.54 mm[.1 in]

### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 - 105 °C[-85 - 221 °F]

### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	9
Packaging Method	Tube

### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://TE.com)>

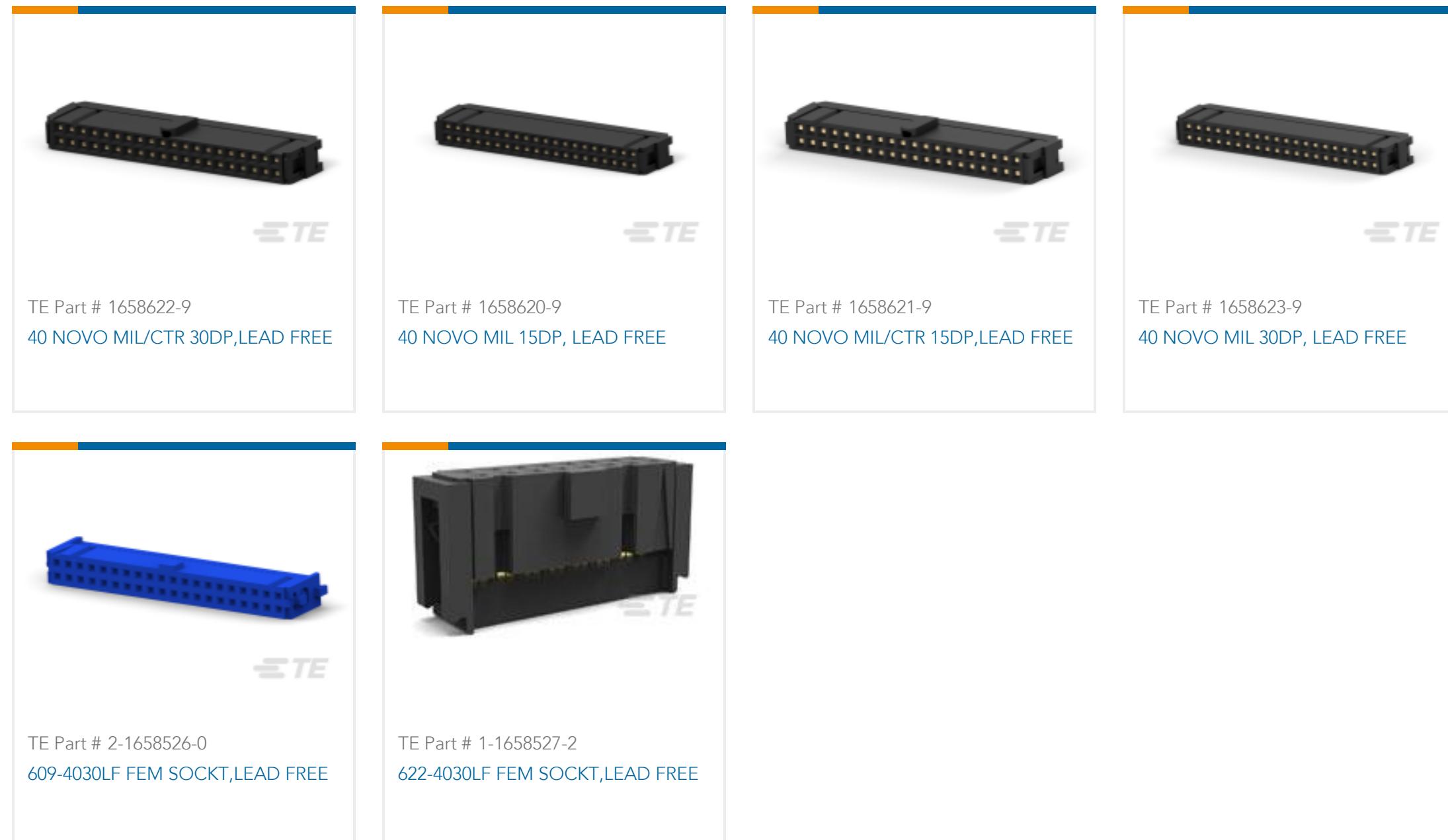
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

#### Product Compliance Disclaimer

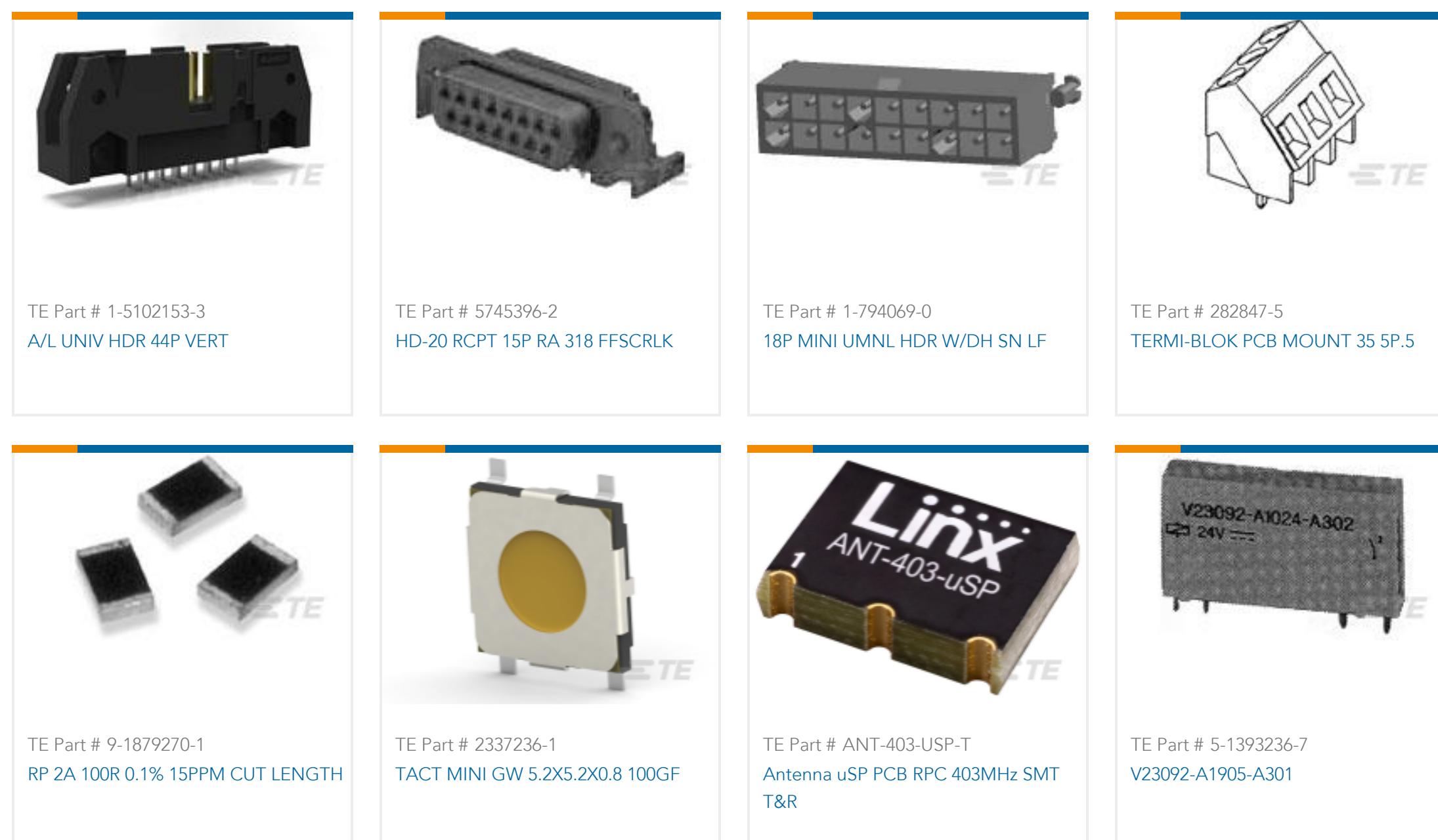
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



## Customers Also Bought



## Documents

### Product Drawings

[IDC LOW PRO HDR 40P VERT SHT L](#)

English

**CAD Files**[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1761608-3\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1761608-3\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1761608-3\\_C.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**[Product Specification](#)

English