

1-499160-0  ACTIVE

## AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-499160-0

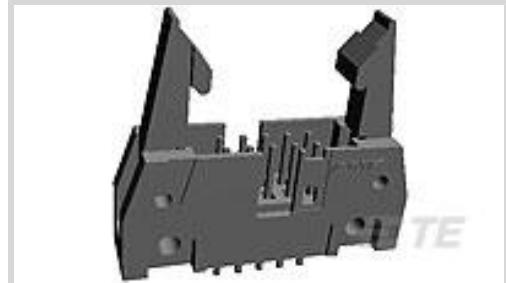
Ribbon Cable Connectors, Board-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers

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

AMP-LATCH UNIVERSAL HEADERS



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

Number of Positions: **50**

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

PCB Mount Retention: **Without**

PCB Mount Retention Type: **Screw Mount**

[All AMP-LATCH UNIVERSAL HEADERS \(525\)](#)

## Features

### Product Type Features

Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
Connector Mating Latch & Lock Type	Short
Connector Product Type	Connector Assembly
Connector System	Board-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	50
PCB Mount Orientation	Vertical
Number of Rows	2

### Electrical Characteristics

Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC

### Body Features

Daisy Chain	Without
Primary Product Color	Black

## Connector Profile

Standard

## Contact Features

Mating Square Post Dimension .64 mm[.025 in]

PCB Contact Termination Area Plating Material Thickness 2.54 µm[100 µin]

Contact Type Pin

30 µin

Contact Mating Area Plating Material Gold

Contact Shape &amp; Form Square

Contact Underplating Material Palladium Nickel

PCB Contact Termination Area Plating Material Tin-Lead

Contact Current Rating (Max) 1 A

## Termination Features

Round Termination Post &amp; Tail Diameter .64 mm[.025 in]

Termination Post &amp; Tail Length 2.79 mm[.11 in]

Termination Method to Printed Circuit Board Through Hole - Solder

## Mechanical Attachment

Mating Alignment With

PCB Mount Alignment With

Panel Mount Feature Without

PCB Mount Retention Without

PCB Mount Retention Type Screw Mount

Mating Alignment Type Center, Dual Polarizing Bar

Mating Retention With

Mating Retention Type Ejection Latch

Connector Mounting Type Board Mount

## Housing Features

Housing Material Thermoplastic

Centerline (Pitch) 2.54 mm [.1 in]

## Dimensions

Connector Length 82.8 mm

Connector Height 13.94 mm [.55 in]

PCB Thickness (Recommended) 1.57 mm [.062 in]

Row-to-Row Spacing 2.54 mm [.1 in]

#### Usage Conditions

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

#### Operation/Application

Solder Process Feature	Solder Dipped
Circuit Application	Signal

#### Industry Standards

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

Packaging Quantity	24
Packaging Method	Tray

#### Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in Component Part)

**Article Safe Usage Statements:**  
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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#### 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

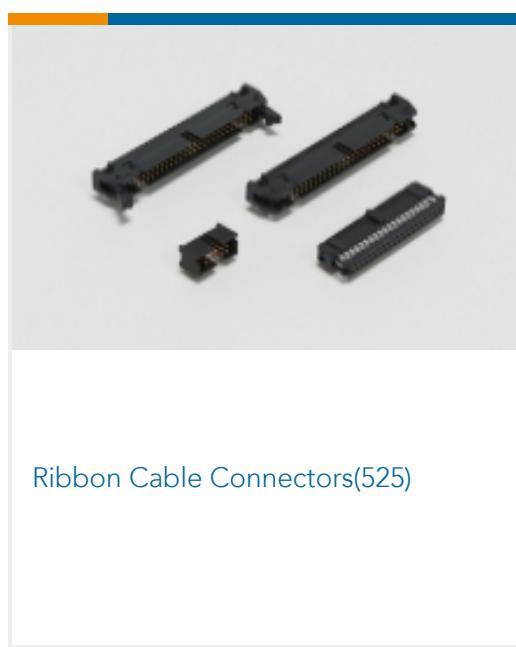
on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

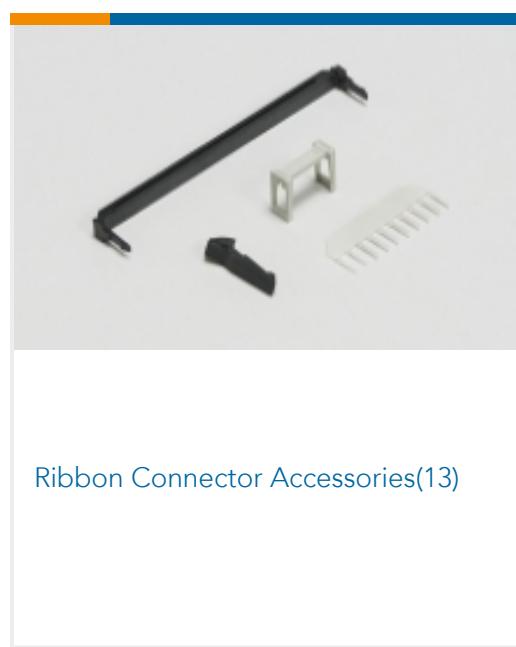


TE Part # 1-1658620-0  
50 NOVO MIL 15DP, LEAD FREE

## Also in the Series | AMP-LATCH Universal Headers



Ribbon Cable Connectors(525)



Ribbon Connector Accessories(13)

## Customers Also Bought



TE Part #1658640-1  
HDP-20,RCPT,SIZE 5, 50 POSN



TE Part #207464-7  
HDP-20,PLUG,SIZE 3, 25 POSN



TE Part #205206-8  
HDP-20,PLUG,SIZE 2, 15 POSN



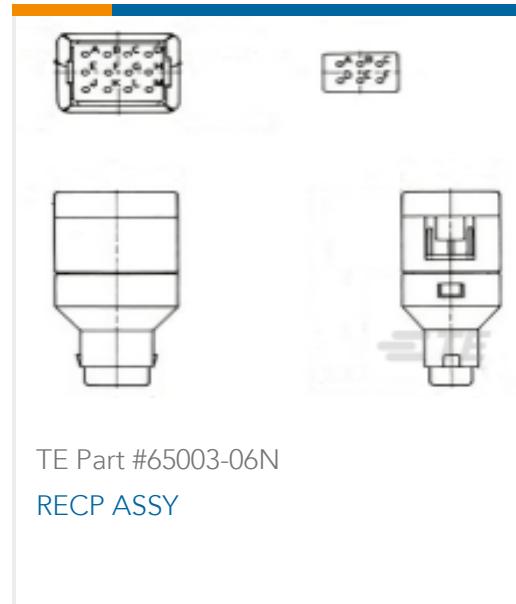
TE Part #205204-8  
HDP-20,PLUG,SIZE 1, 9 POSN



TE Part #1658641-1  
HDP-20,PLUG,SIZE 5, 50 POSN



TE Part #2560-215-1631L  
CONT PIN



TE Part #65003-06N  
RECP ASSY



TE Part #6-1879354-6  
RR03 5% 160R AMMO



## Documents

### Product Drawings

#### 050 UNIV HDR SP 4S 30DP STD L2

English

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### CAD Files

#### 3D PDF

English

Customer View Model

[ENG\\_CVM\\_1-499160-0\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-499160-0\\_G.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1-499160-0\\_G.3d\\_stp.zip](#)

English

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

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### Product Specifications

#### Product Specification

English

#### Product Specification

English

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### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

#### [AMP INSTALLATION PROCEDURES FOR AMP-LATCH UNIVERSAL HEADER ASSEMBLIE](#)

English

## Agency Approvals

### [Agency Approval Document](#)

English