



# RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## IDC LOW PRO HDR 20P RA HT BLACK

AMP-LATCH | Low Profile Headers

1761682-7

TE Internal Number: 1761682-7

Always EU RoHS/ELV Compliant

Centerline **2.54 mm [ .1 in ]**

PCB Mount Retention **Without**

PCB Mounting Orientation **Right Angle**

Termination Method to PC Board **Through Hole**

Shrouded **Yes**

### Product Drawings

[HEADER ASSEMBLY, HIGH TEMP, RIGHT ANGLE, LOW PROFILE, IDC](#)

PDF  
English

### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Product Specifications

Product Specification

[AMP-LATCH And IDC Header Connectors, .100 X .100 Inch Grid](#)

PDF  
English

### Product Environmental Compliance

TE Material Declaration

[MD\\_1761682-7\\_02292016749\\_dmtec](#)

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

PCB Mounting Orientation

**Right Angle**

Shrouded

**Yes**

	Row-to-Row Spacing	<b>2.54 mm [ .1 in ]</b>
	Connector Style	<b>Plug</b>
	Profile	<b>Low</b>
	Applies To	<b>Printed Circuit Board</b>
	Product Type	<b>Connector</b>
	Board Standoff	<b>Without</b>
	Connector Type	<b>Header</b>
	Connector System	<b>Wire-to-Board</b>
	Ejection Latches	<b>Without</b>
Configuration Features	Number of Positions	<b>20</b>
	Number of Rows	<b>2</b>
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
	Insulation Resistance (MΩ)	<b>1000 – 5000</b>
Body Features	Post Size	<b>.64 mm [ .025 in ]</b>
	Header Type	<b>Pin Header</b>
	Daisy Chain	<b>With</b>
Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Shape	<b>Square</b>
	Solder Tail Contact Plating Thickness	<b>2.6</b>
	Contact Transmits (Typical)	<b>Signal (Data)</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Current Rating (A)	<b>1</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (μin)	<b>15</b>
	Contact Type	<b>Pin</b>
	Contact Termination Area Plating Material	<b>Tin</b>
	Contact Termination Area Plating Thickness	<b>2.54 μm [ 100 μin ]</b>
Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>2.9 mm [ .114 in ]</b>
Mechanical Attachment	PCB Mount Retention	<b>Without</b>

Mating Alignment Type	<b>Center</b>
Mating Connector Lock	<b>Without</b>
Locking Latch	<b>Without</b>
Mating Alignment	<b>With</b>
Polarization	<b>With</b>
Panel Mount Retention	<b>Without</b>
Mating Retention	<b>Without</b>
PCB Mount Alignment	<b>Without</b>

Housing Features	Centerline	<b>2.54 mm [ .1 in ]</b>
	Housing Color	<b>Black</b>
	Housing Style	<b>4-Sided</b>
	Housing Entry Style	<b>Top</b>
	Housing Material	<b>PCT</b>

Dimensions	Height	<b>8.89 mm [ .35 in ]</b>
	Length	<b>33.02 mm [ 1.3 in ]</b>
	Shrouded End Dimension	<b>3.81 mm [ .15 in ]</b>

Usage Conditions	Temperature Rating	<b>High</b>
	Operating Temperature Range (°C)	<b>-65 – 105</b>

Operation/Application	For Use With	<b>AMP-Latch Receptacle</b>
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Industry Standards	UL Flammability Rating	<b>UL 94V-0</b>
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Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>50</b>

Product Compliance [Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)




## CUSTOMERS ALSO BOUGHT



SURFACE MOUNT RESISTORS

SURFACE MOUNT RESISTORS

BNC CONNECTORS

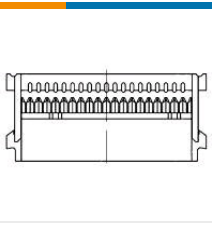
<p>RP 1J 0.166W 261R 0.1% 25PPM 1K RL RP73PF1J261RBTFD</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>TL2B R015 1% TL2BR015F</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>RN 0805 56R2 0.1% 10PPM 1KRL RN73C2A56R2BTDF</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	 <p>50 OHM KAB STE CRIMP 829927-1</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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Products - 13 Results [View All](#) [Compare 0/10](#)

Relation Type ▼

RELATIONSHIP  
**Mating Products**  
Used to identify Mating Parts [See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors  
AMP-LATCH | AMP-LATCH - NOVO

**609-2000MP005LF=FSKT**  
**IDC S 20 - 3-1658526-1**

TE INTERNAL NUMBER: 3-1658526-1

✓ Active

Always EU RoHS/ELV Compliant


Number of Positions **20**

Connector Style **Receptacle**

✓

RELATIONSHIP  
**Mating Products**  
Used to identify Mating Parts [See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Cable Connectors  
AMP-LATCH | AMP-LATCH - NOVO

**20 NOVO MIL 15DP,**  
**LEAD FREE - 1658620-4**

TE INTERNAL NUMBER: 1658620-4

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

PCB Mount Retention **Without**


PCB Mounting Orientation  
**Vertical**

Termination Method to PC Board  
**Through Hole - Solder**

Termination Method to Wire/Cable **Insulation**  
**Displacement Crimp (IDC)**

✓

PRODUCT - MATING PRODUCTS



Connectors - Ribbon Connector Accessories  
AMP-LATCH | AMP-LATCH - NOVO

**020 STRAIN RELIEF A-L**  
**RCPT - 499252-2**

TE INTERNAL NUMBER: 499252-2  
ALIAS ID: 0-0499252-2, 1108423

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

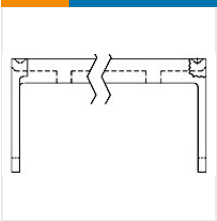
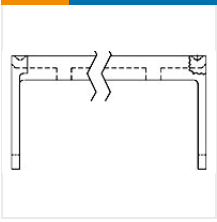

✓

RELATIONSHIP

## Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

	<p>PRODUCT - MATING PRODUCTS</p>	<p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO <b>622-2031=FSKT IDC S 20</b> <b>SR - 1437024-5</b> TE INTERNAL NUMBER: 1437024-5 ALIAS ID: 622-2031</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type <b>Strain Relief</b></p> <p>Number of Positions <b>20</b></p>	<input checked="" type="checkbox"/>
	<p>PRODUCT - MATING PRODUCTS</p>	<p>Connectors - Ribbon Connector Accessories AMP-LATCH   AMP-LATCH - NOVO <b>636-2031=FEM SOKT</b> <b>15/M S/R - 1437027-7</b> TE INTERNAL NUMBER: 1437027-7 ALIAS ID: 636-2031</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Accessory Type <b>Strain Relief</b></p> <p>Number of Positions <b>20</b></p>	<input checked="" type="checkbox"/>
	<p>PRODUCT - MATING PRODUCTS</p>	<p>Connectors - Ribbon Cable Connectors   AMP-LATCH - NOVO <b>636-2030LF=FEM SKT</b> <b>BLADE POL 1</b> <b>- 1-1658528-5</b> TE INTERNAL NUMBER: 1-1658528-5</p>	<p>Always EU RoHS/ELV Compliant</p> <p>Number of Positions <b>20</b></p> <p>Connector Style <b>Receptacle</b></p>	<input checked="" type="checkbox"/>