



## RIBBON CABLE CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### IDC LOW PRO HDR 40P RA HT BLACK

AMP-LATCH | [Low Profile Headers](#)

1-1761682-3

TE Internal Number: 1-1761682-3

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

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

**2.54 mm [ .1 in ]**

Connector Style

**Plug**

Profile

**Low**

	Applies To	<b>Printed Circuit Board</b>
	Product Type	<b>Connector</b>
	Board Standoff	<b>Without</b>
	Connector Type	<b>Header</b>
	Wire/Cable Type	<b>Wave solder capable to 265°C</b>
	Connector System	<b>Wire-to-Board</b>
	Ejection Latches	<b>Without</b>
<hr/>		
Configuration Features	Number of Positions	<b>40</b>
	Number of Rows	<b>2</b>
<hr/>		
Electrical Characteristics	Operating Voltage (VAC)	<b>250</b>
	Insulation Resistance (MΩ)	<b>1000 – 5000</b>
<hr/>		
Body Features	Post Size	<b>.64 mm [ .025 in ]</b>
	Header Type	<b>Pin Header</b>
	Daisy Chain	<b>With</b>
<hr/>		
Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Shape	<b>Square</b>
	Solder Tail Contact Plating Thickness	<b>Wave solder capable to 265°C</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>
<hr/>		
Termination Features	Termination Method to PC Board	<b>Through Hole</b>
	Termination Post Length	<b>2.9 mm [ .114 in ]</b>
<hr/>		
Mechanical Attachment	PCB Mount Retention	<b>Without</b>
	Mating Alignment Type	<b>Center</b>
	Mating Connector Lock	<b>Without</b>

Mating Alignment	<b>With</b>
Polarization	<b>With</b>
Panel Mount Retention	<b>Without</b>
Mating Retention	<b>With</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>58.42 mm [ 2.3 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](#)

Products - 12 Results

[View All](#)

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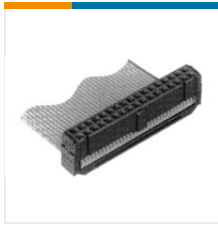
Relation Type ▼

RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors  
I AMP-LATCH - NOVO

**609-4030CELF=FSKT IDC  
S 40 30A - 5-6437021-1**

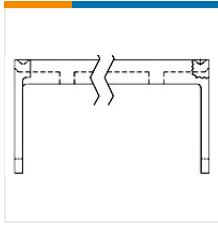
TE INTERNAL NUMBER: 5-6437021-1

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **40**

Connector Style **Receptacle**



PRODUCT - MATING PRODUCTS

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

**609-4031HD=FSKT IDC S  
40 SR - 5-1437021-5**

TE INTERNAL NUMBER: 5-1437021-5  
ALIAS ID: 609-4031HD

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **40**



RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Cable Connectors  
I AMP-LATCH - NOVO

**622-4030LF FEM SOCKET,  
LEAD FREE - 1-1658527-2**

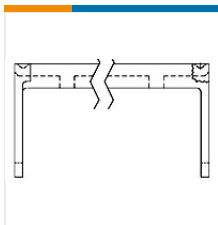
TE INTERNAL NUMBER: 1-1658527-2

✓ Active

Always EU RoHS/ELV Compliant

Number of Positions **40**

Connector Style **Receptacle**



PRODUCT - MATING PRODUCTS

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

**622-4031=FSKT IDC S 40  
SR - 8-1437024-3**

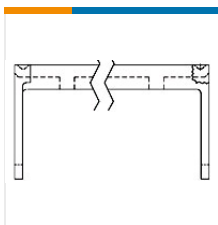
TE INTERNAL NUMBER: 8-1437024-3  
ALIAS ID: 622-4031

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **40**



PRODUCT - MATING PRODUCTS

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

**636-4031=FEM SOKT  
15/MICRO S/R  
- 3-1437028-4**

TE INTERNAL NUMBER: 3-1437028-4  
ALIAS ID: 636-4031

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

Number of Positions **40**



RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Ribbon Connector Accessories

Always EU RoHS/ELV Compliant





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

## 040 STRAIN RELIEF A-L RCPT - 499252-1

TE INTERNAL NUMBER: 499252-1  
ALIAS ID: 1100632, 406420158

✓ Active

Always EU RoHS/ELV Compliant

Accessory Type **Strain Relief**

### PRODUCT - MATING PRODUCTS



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

## 40 NOVO MIL/CTR 15DP, LEAD FREE - 1658621-9

TE INTERNAL NUMBER: 1658621-9

✓ 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)**

