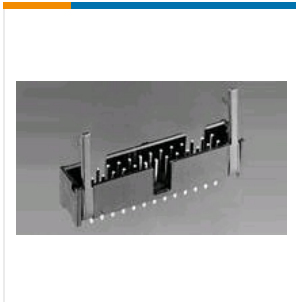




RIBBON CABLE CONNECTORS



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

IDC LOW PRO HDR 40P RA SHT LAT

AMP-LATCH | Low Profile Headers

1-1761609-3

TE Internal Number: 1-1761609-3

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, SHORT EJECT LATCH, RIGHT ANGLE, LOW PROFILE, IDC](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_IGS.ZIP
English

Catalog Pages/Data Sheets

[Ribbon Cable Interconnect Solutions](#)

PDF
English

[7-1773458-6_AMPLATCH_QRG](#)

PDF
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.

| | | |
|----------------------------|---|---|
| | Shrouded | Yes |
| | Row-to-Row Spacing | 2.54 mm [.1 in] |
| | Connector Style | Plug |
| | Profile | Low |
| | Applies To | Printed Circuit Board |
| | Product Type | Connector |
| | Board Standoff | Without |
| | Connector Type | Header |
| | Connector System | Wire-to-Board |
| | Ejection Latches | With |
| <hr/> | | |
| Configuration Features | Number of Positions | 40 |
| | Number of Rows | 2 |
| <hr/> | | |
| Electrical Characteristics | Operating Voltage (VAC) | 250 |
| | Insulation Resistance (MΩ) | 1000 – 5000 |
| <hr/> | | |
| Body Features | Post Size | .64 mm [.025 in] |
| | Header Type | Pin Header |
| <hr/> | | |
| Contact Features | Contact Mating Area Plating Material | Gold Flash over Palladium Nickel |
| | Contact Shape | Square |
| | Contact Transmits (Typical) | Signal (Data) |
| | Solder Tail Contact Plating Material | Tin over Nickel |
| | Contact Current Rating (A) | 1 |
| | Contact Base Material | Phosphor Bronze |
| | Contact Mating Area Plating Thickness (µin) | 30 |
| | Contact Type | Pin |
| | Contact Termination Area Plating Material | Tin |
| | Contact Termination Area Plating Thickness | 2.54 µm [100 µin] |
| <hr/> | | |
| Termination Features | Termination Method to PC Board | Through Hole |
| | Termination Post Length | 2.6 mm [.102 in] |
| <hr/> | | |
| Mechanical Attachment | PCB Mount Retention | Without |
| | Mating Alignment Type | Center |

| | |
|----------------------------|-----------------------|
| Mating Connector Lock | With |
| Mating Connector Lock Type | Ejection Latch |
| Mating Alignment | With |
| Polarization | With |
| Panel Mount Retention | Without |
| Mating Retention | With |
| PCB Mount Alignment | Without |

| | | |
|------------------|---------------------|--------------------------|
| Housing Features | Centerline | 2.54 mm [.1 in] |
| | Housing Color | Black |
| | Housing Style | 4-Sided |
| | Housing Entry Style | Top |
| | Housing Material | PBT |

| | | |
|------------|------------------------|----------------------------|
| Dimensions | Height | 9.19 mm [.36 in] |
| | Length | 58.52 mm [2.3 in] |
| | Shrouded End Dimension | 3.76 mm [.148 in] |

| | | |
|------------------|----------------------------------|------------------|
| Usage Conditions | Temperature Rating | High |
| | Operating Temperature Range (°C) | -65 – 105 |

| | | |
|-----------------------|--------------|-----------------------------|
| Operation/Application | For Use With | AMP-Latch Receptacle |
|-----------------------|--------------|-----------------------------|

| | | |
|--------------------|------------------------|-----------------|
| Industry Standards | UL Flammability Rating | UL 94V-0 |
|--------------------|------------------------|-----------------|

| | | |
|--------------------|--------------------|-------------|
| Packaging Features | Packaging Method | Tube |
| | Packaging Quantity | 9 |

Product Compliance

[Statement of Compliance PDF](#)

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 8 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

**40 NOVO MIL 15DP,
LEAD FREE - 1658620-9**

TE INTERNAL NUMBER: 1658620-9

✓ 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)



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

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

**40 NOVO MIL/CTR 30DP,
LEAD FREE - 1658622-9**

TE INTERNAL NUMBER: 1658622-9

✓ 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)



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



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)



