

1-1761681-5 ✓ ACTIVE



AMP-LATCH

TE Internal #: 1-1761681-5

Ribbon Cable Connectors, Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Plug, Low Profile

[View on TE.com >](#)

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



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

Number of Positions: **50**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Connector Type	Header
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	50
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 M Ω
Operating Voltage	250 VAC

Body Features

Daisy Chain	With
Connector Profile	Low

Contact Features

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



PCB Contact Termination Area Plating Material Thickness	2.54 μ m[100 μ in]
---------------------------------------------------------	----------------------------

Contact Type	Pin
--------------	-----

	15 μ in
--	-------------

Contact Mating Area Plating Material	Gold
--------------------------------------	------

Contact Shape & Form	Square
----------------------	--------

Contact Underplating Material	Nickel
-------------------------------	--------

PCB Contact Termination Area Plating Material	Tin
-----------------------------------------------	-----

Contact Base Material	Phosphor Bronze
-----------------------	-----------------

Contact Current Rating (Max)	1 A
------------------------------	-----

Termination Features

Square Termination Post & Tail Dimension	.64 mm[.025 in]
------------------------------------------	-----------------

Termination Post & Tail Length	2.9 mm[.114 in]
--------------------------------	-----------------

Termination Method to Printed Circuit Board	Through Hole - Solder
---------------------------------------------	-----------------------

Mechanical Attachment

Mating Alignment	With
------------------	------

PCB Mount Alignment	Without
---------------------	---------

Panel Mount Feature	Without
---------------------	---------

PCB Mount Retention	Without
---------------------	---------

Mating Alignment Type	Center
-----------------------	--------

Mating Retention	Without
------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Mating Entry Location	Top
-----------------------	-----

Housing Material	PCT
------------------	-----

Housing Color	Black
---------------	-------

Centerline (Pitch)	2.54 mm[.1 in]
--------------------	----------------

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
------------------------	-----------------

Connector Length	71.12 mm[2.8 in]
------------------	------------------

Connector Height	8.89 mm[.35 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
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	50
--------------------	----

Packaging Method	Package
------------------	---------

Other

Comment	For Use With AMP-Latch Receptacle
---------	-----------------------------------

Product Compliance

[For compliance documentation, visit the product page on 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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
----------------------------------------	---------------------------------------------------------------------------------------------------------------------------------

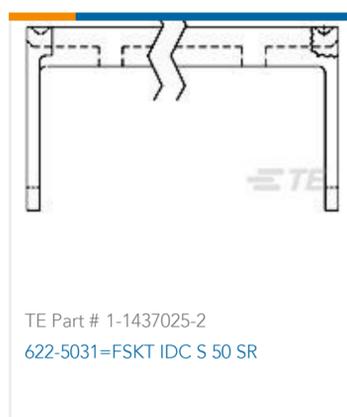
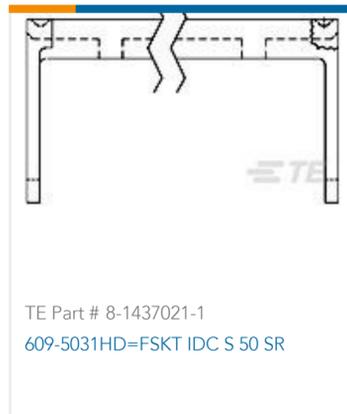
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
-----------------	------------------------------------------------

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



Documents

Product Drawings

IDC LOW PRO HDR 50P VERT HT BLACK

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1761681-5_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1-1761681-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1761681-5_A.3d_stp.zip](#)

English

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

Product Specifications

[Application Specification](#)

English