1-1761681-5 ✔ ACTIVE

AMP-LATCH

TE Internal #: 1-1761681-5

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

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 Product Type	Connector Assembly
Ribbon Cable Connector Header Type	Pin Header
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

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Body Features

Daisy Chain	With
Primary Product Color	Black
Connector Profile	Low

Contact Features

	15 µin

Contact Underplating Material	Nickel
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Shape & Form	Square
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

Termination Post & Tail Length	2.9 mm[.114 in]
Square Termination Post & Tail Dimension	.64 mm[.025 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Mating Alignment	With
PCB Mount Alignment	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
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
Connector Height	8.89 mm[.35 in]
Connector Length	71.12 mm[2.8 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

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

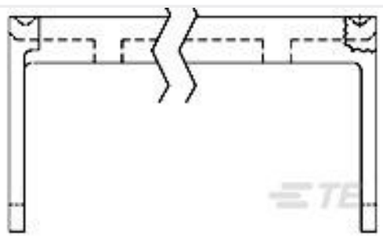
Product Compliance Disclaimer

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



TE Part # 2-1658528-0
636-5030LF=FEM SKT BLADE POL 1



TE Part # 6-1437028-8
636-5031=FEM SOKT 15 MICRO



TE Part # 499252-4
050 STRAIN RELIEF A-L RCPT



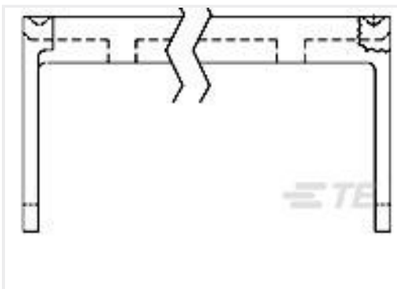
TE Part # 1-1658527-4
622-5030LF FEM SOCKT,LEAD FREE



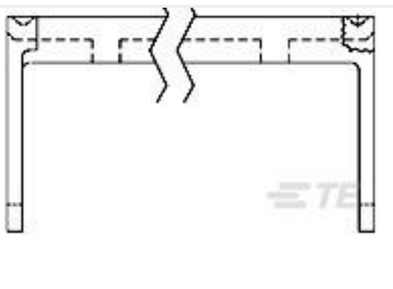
TE Part # 1-1658620-0
50 NOVO MIL 15DP, LEAD FREE



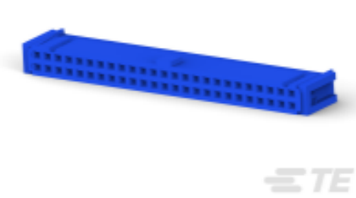
TE Part # 1-1658622-0
50 NOVO MIL/CTR 30DP,LEAD FREE



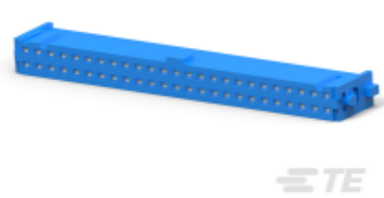
TE Part # 8-1437021-1
609-5031HD=FSKT IDC S 50 SR



TE Part # 1-1437025-2
622-5031=FSKT IDC S 50 SR



TE Part # 1-1658527-5
622-5041LF FEM SOCKT,LEAD FREE



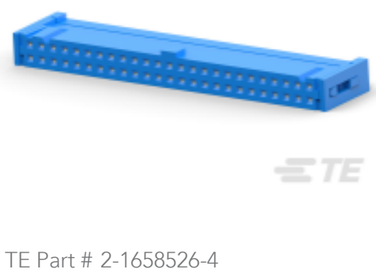
TE Part # 2-1658526-3
609-5030LF FEM SOCKT,LEAD FREE



TE Part # 1-1658623-0
50 NOVO MIL 30DP, LEAD FREE



TE Part # 1-1658621-0
50 NOVO MIL/CTR 15DP,LEAD FREE

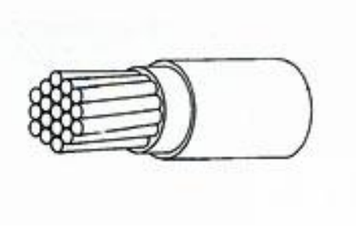


TE Part # 2-1658526-4
609-5041LF FEM SOCKT,LEAD FREE



TE Part # 1658528-8
636-5041LF FEM SOCKT,LEAD FREE

Customers Also Bought



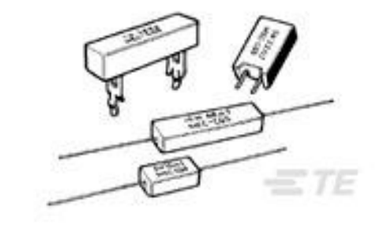
TE Part #217445-000
22759/43-14-2



TE Part #1-1532252-1
M83513/10-C03NN = MCKS-N1-B-21PRT1B



TE Part #2-1623696-8
CRG2512 5% 470R



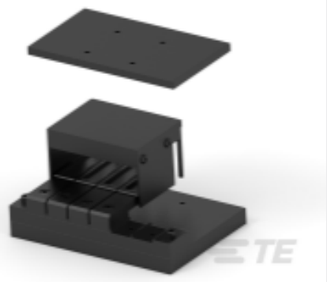
TE Part #1-1623781-0
SQM2 10K 5% (METAL FILM)



TE Part #1-1879337-3
CPF 0603 3K32 1% 50PPM 1K RL



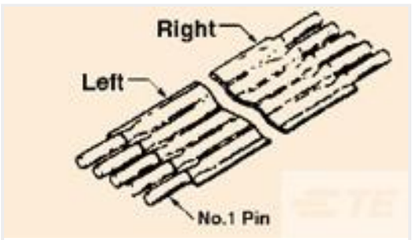
TE Part #2-2170747-1
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP



TE Part #1-2215056-4
ASSY, EXTRACT TL, QSFP28 1X4



TE Part #1-6609031-2
5ER7M=F7188 S0



TE Part #2-1437192-5
FST-54A-6

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

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Product Specifications

Application Specification

English