



TE Internal #: 1-487223-2

Housing, Wire-to-Board, 50 Position, 2.54 mm [.1 in] Centerline, 2 Row, Socket, Package, Normal, Mating Alignment, Straight, Black, FFC Connectors

[View on TE.com >](#)

Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FFC Connectors > 2.54mm FFC Connectors Receptacle Housing



FFC Connector Product Type: **Housing**

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

Number of Positions: **50**

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

Number of Rows: **2**

[All 2.54mm FFC Connectors Receptacle Housing \(143\)](#)

Features

Product Type Features

Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Wire & Cable
FFC Connector Product Type	Housing
Connector System	Wire-to-Board
Insertion Force Type	Normal

Configuration Features

Number of Positions	50
Number of Rows	2

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	720 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	300 VAC



Body Features

Primary Product Color	Black
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Contact Features

Contact Type	Socket
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Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	Without
Mating Alignment	With
Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Thermoplastic
Centerline (Pitch)	2.54 mm[.1 in]
FFC Cable Entry	Straight

Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
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Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
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 2024 (241)
Candidate List Declared Against: JAN 2021 (211)
Does not contain REACH SVHC

Halogen Content

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

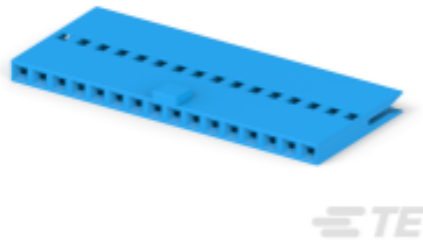
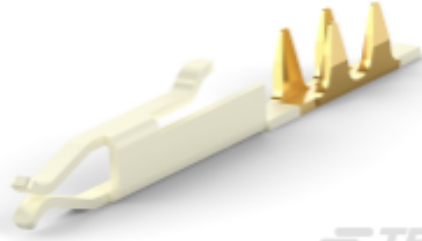
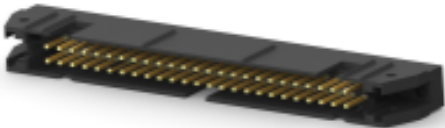
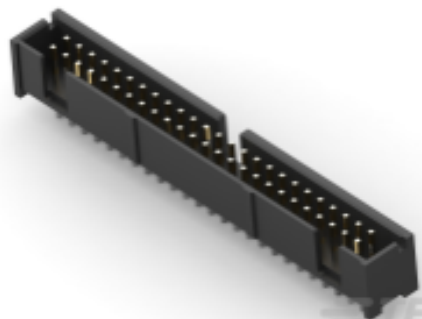
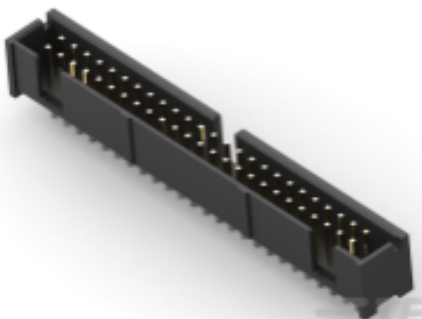
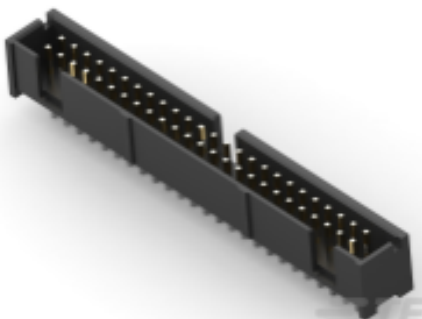
Solder Process Capability

Not applicable for solder process capability

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 # CAT-F439-S01339254 2.54mm FFC Connectors Socket Contacts	 TE Part # CAT-F439-S01339127 1.27mm FFC Connectors Socket Contacts	 TE Part # CAT-F439-P65127 FFC Connector Pin Contacts, 1.27 mm	 TE Part # CAT-AM74-UN384H AMP-LATCH UNIVERSAL HEADERS
 TE Part # CAT-F439-P65254 2.54mm FFC Connectors Pin Contacts	 TE Part # 1-103308-0 050 LOPRO HDR SP 15DP	 TE Part # 1-103309-0 050 LOPRO HDR SP 30DP	 TE Part # 1-103310-0 050 LOPRO HDR RA 15DP



TE Part # 1-103311-0
050 LOPRO HDR RA 30DP

TE Part # 1761852-1
FFC RCPT HP 100SNPB RL NO LUBE

TE Part # 1-487137-1
FFC SOLDER TAB FULL 100 SN

TE Part # 487787-3
FFC SPLICE CONTACT L.P.

TE Part # 487843-1
FFC SPLICE CONTACT

TE Part # 494060-3
FFC TERMINAL PLT

Customers Also Bought

TE Part #5103308-8
A/L LOW PRO HDR 40P VERT BLACK

TE Part #206071-1
SZ 22, SOCKET, NON-MAG

TE Part #5-747912-2
25 Plug Solder Cup, Gold Flash

TE Part #8-322249-1
PG SPD FLG 22-16COMM22-18MIL 6

TE Part #1676979-7
TW 1W 2K5 6.35X25PL

TE Part #5960032004
TFER-1/4-X-STK

TE Part #206499-4
RECEPT ASSY,SZ 1,AMPLIMITE

TE Part #1-111506-4
50 UNIV I/O, SLOTTED,LEAD FREE

TE Part #2828454-2
GuideModule,Assy,Clockable Keyed 45 Deg

TE Part #GAG15K4D489
ESAP-ESA PROBE-400601408

Documents



Product Drawings

050 HOUSING FFC RCPT 100CL DR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-487223-2_P.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-487223-2_P.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-487223-2_P.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

Instruction Sheets

Instruction Sheet (U.S.)

English

Extraction Tool for Flexible Flat Cable (FFC)

English

Instruction Sheet (U.S.)

English

Extraction Tools

English

Agency Approvals

Agency Approval Document

English