

2-487937-0 ✓ ACTIVE

TE Internal #: 2-487937-0

FFC Connectors, Housing, Wire-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, 2 Row, Socket, Package, Mating Retention, Wire & Cable, Normal

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > FFC Connectors > FFC Receptacle Housing: 1.27mm



FFC Connector Product Type: **Housing**

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

Number of Positions: **20**

Centerline (Pitch): **1.27 mm [.05 in]**

Number of Rows: **2**

[All FFC Receptacle Housing: 1.27mm \(52\)](#)

## Features

### Product Type Features

Connector & Housing Type	Receptacle
FFC Connector Product Type	Housing
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Insertion Force Type	Normal

### Configuration Features

Compatible With Wire & Cable Type	FFC
Number of Positions	20
Number of Rows	2

### Electrical Characteristics

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



Operating Voltage	100 VAC
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### Contact Features

Contact Type	Socket
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### Mechanical Attachment

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

Housing Material	Polyester
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Centerline (Pitch)	1.27 mm [.05 in]
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FFC Cable Entry	Straight
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Housing Color	Black
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### Dimensions

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

Operating Temperature Range	-55 – 105 °C [-67 – 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	500
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Packaging Method	Package
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable for solder process capability

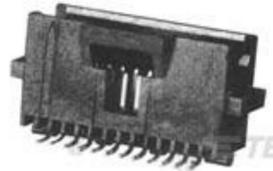
Product Compliance Disclaimer

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-S01339127  
1.27mm FFC Connectors Socket Contacts



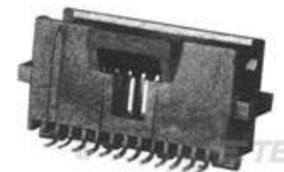
TE Part # 5-104549-2  
20 SYS50 S/M HDR DRST SHRDSN



TE Part # 5-104069-1  
20 sys 50 hdr drra shrd sn



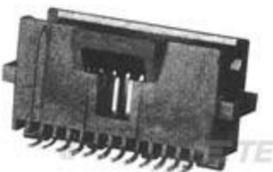
TE Part # 5-104068-1  
20 SYSTEM 50 HDR DRST SHRD



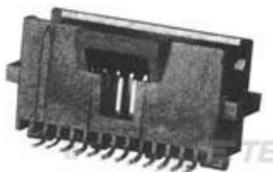
TE Part # 5-147377-2  
20 SYS50 SMT HDR DR SHD SN



TE Part # 5-103916-2  
20 SYS 50 HDR DRST UNSHRD SN



TE Part # 104549-2  
20 SYS50 SURFMNT HDR DRST SHRD



TE Part # 147377-2  
20 SYS50 SMT HDR DR SHD W/O HD



## Documents

### Product Drawings

#### 020 HOUSING FFC 50CL DR LATCH

English

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-487937-0\\_R.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-487937-0\\_R.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-487937-0\\_R.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages



[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION3AND4](#)

English

[AMPMODU SYSTEM 50 QUICK REFERENCE GUIDE](#)

English

[AMPMODU SYSTEM 50](#)

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[Product Specifications](#)

[Application Specification](#)

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[Agency Approvals](#)

[CSA Certificate](#)

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