



TE Internal #: 1-487938-6  
 FFC Connectors, Housing, Wire-to-Board, 16 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: **16**  
 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               | 16  |
| Number of Rows                    | 2   |

### Electrical Characteristics

|                                       |         |
|---------------------------------------|---------|
| Dielectric Withstanding Voltage (Max) | 300 VAC |
| Insulation Resistance                 | 5000 MΩ |
| Operating Voltage                     | 100 VAC |

### Contact Features

|              |        |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

### Mechanical Attachment



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

### Housing Features

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

### Dimensions

|                    |                 |
|--------------------|-----------------|
| Row-to-Row Spacing | 2.54 mm [.1 in] |
|--------------------|-----------------|

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
|-----------------------------|-----------------------------|

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

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

### Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 800     |
| Packaging Method   | Package |

### Other

|         |  |
|---------|--|
| Comment | Note 1: Plain housings are side-to-side stackable on either straight or right-angle post, unshrouded AMPMODU System 50 headers, Note 2: For end-to-end stacking, the posts located between the adjoining housings must be removed to provide housing end clearance |
|---------|--|

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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)<br>Candidate List Declared Against: JUNE 2022 (224)<br>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                     | Reflow solder capable to 260°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

|   |  |  |  |
|---|--|--|--|
|  <p>TE Part # CAT-F439-S01339127<br/>1.27mm FFC Connectors Socket Contacts</p> |  <p>TE Part # 5-104549-1<br/>10 SYS50 S/M HDR DRST SHRDSN</p> |  <p>TE Part # 104549-1<br/>10 SYS50 SURFMNT HDR DRST SHRD</p> |  <p>TE Part # 6-104068-0<br/>16 SYSTEM 50 HDR DRST SHRD</p> |
|  <p>TE Part # 6-104069-1<br/>16 sys 50 hdr drra shrd sn</p>                    |  <p>TE Part # 1-104068-0<br/>16 SYSTEM 50 HDR DRST SHRD</p>   |  <p>TE Part # 1-104069-1<br/>16 SYSTEM 50 HDR DRRA SHRD</p>   |  <p>TE Part # 104666-9<br/>16 SYSTEM 50 HDR DRST SHRD</p>   |



## Documents

### Product Drawings

[016 HOUSING FFC 50CL DR](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1-487938-6\\_J.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-487938-6\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-487938-6\\_J.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

### Product Specifications

[Application Specification](#)

English