



TE Internal #: 88637-3  
FFC Connectors, Housing, Wire-to-Board, 16 Position, 2.54mm [.1in] Centerline, 2 Row, Row-to-Row Spacing .1 in [2.54 mm], Socket, Package  
[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: **16**  
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    |
| 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) | 720 VAC |
|---------------------------------------|---------|



|                       |         |
|-----------------------|---------|
| Insulation Resistance | 5000 MΩ |
| Operating Voltage     | 300 VAC |

Contact Features

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

Mechanical Attachment

|                          |                            |
|--------------------------|----------------------------|
| Mating Alignment Type    | Polarization               |
| Panel Mount Feature Type | Mounting Ears              |
| Mating Retention Type    | Detent Window              |
| Mating Retention         | With                       |
| Mating Alignment         | With                       |
| Panel Mount Feature      | With                       |
| Connector Mounting Type  | Cable Mount (Free-Hanging) |

Housing Features

|                    |                |
|--------------------|----------------|
| Housing Material   | Nylon          |
| Centerline (Pitch) | 2.54 mm[.1 in] |
| FFC Cable Entry    | Straight       |
| Housing Color      | Black          |

Dimensions

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

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| 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 | 1       |
| Packaging Method   | Package |

Other

|         |                                                                                                                        |
|---------|------------------------------------------------------------------------------------------------------------------------|
| Comment | Housing sizes smaller than 20-position have only one detent., Use Extraction Tool No. 91093-1 for round wire contacts. |
|---------|------------------------------------------------------------------------------------------------------------------------|



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: JAN 2021 (211)<br>Candidate List Declared Against: JUL 2019 (201)<br>SVHC > Threshold:<br>Not Yet Reviewed |
| 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



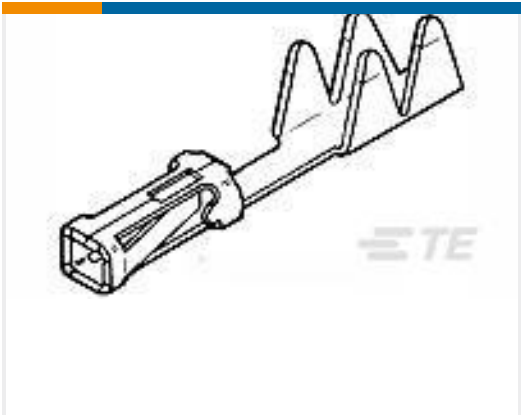
TE Part # CAT-F439-P65127  
1.27mm FFC Connectors Pin Contacts



TE Part # CAT-F439-P65254  
2.54mm FFC Connectors Pin Contacts



TE Part # 3-88190-4  
016 HOUSING FFC PIN DR 100CL



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



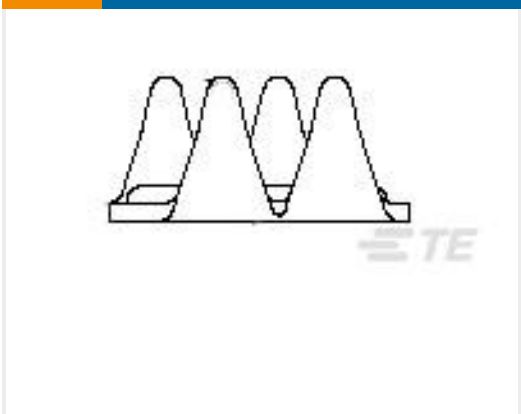
TE Part # 1-487137-1  
FFC SOLDER TAB FULL 100 SN



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 #1718049-1  
TIMER, CONNECTOR HOUSING



TE Part #2-1394766-1  
AMP MCP, UNSEALED CONNECTOR HOUSING



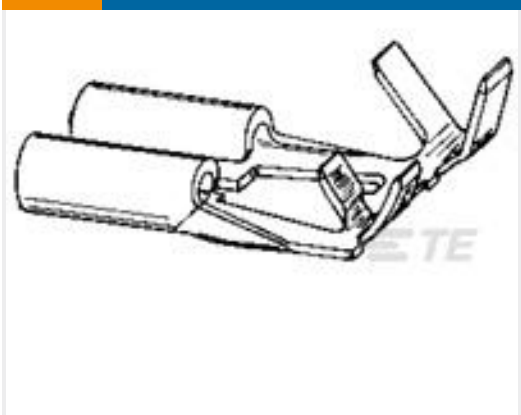
TE Part #1394816-1  
CIRCULAR DIN BACKSHELLS



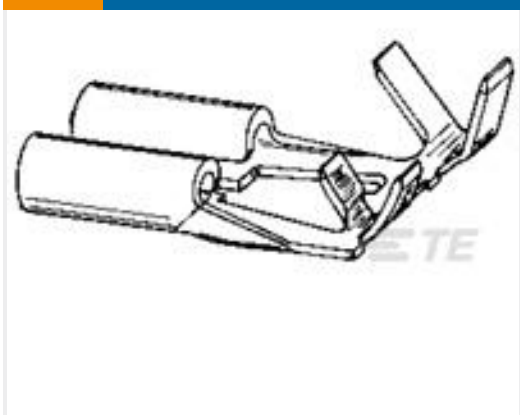
TE Part #1623734-5  
Wirewound Resistor: Vertical Mount



TE Part #1-929964-0  
ROUND CONNECTOR SYSTEM, PIN AND SOCKET



TE Part #160862-8  
FF FAH STECKH 8,0



TE Part #160861-8  
250 FASTON, FLAG, REC., 20-17 AWG, TPPB



TE Part #1718553-1  
LVDS, SHELL HALF 2, 155DEG.



TE Part #1718554-1  
LVDS, SHELL HALF 1, 155DEG.



TE Part #E033443001  
ACW0219-2.50-98(NS)

Documents



Product Drawings

016 HOUSING FFC RCPT DR 100CL

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_88637-3\_AN\_c-88637-3-an.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_88637-3\_AN\_c-88637-3-an.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_88637-3\_AN\_c-88637-3-an.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 Tools

English

Agency Approvals

CSA Certificate

English