



TE Internal #: 1-487545-7
 FFC Connectors, Housing, Wire-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, 1 Row, Socket, Carton, 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: **1**

[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 | 1 |

Electrical Characteristics

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



| | |
|-------------------|---------|
| Operating Voltage | 100 VAC |
|-------------------|---------|

Contact Features

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

Mechanical Attachment

| | |
|-----------------------|--------------|
| Mating Alignment Type | Polarization |
|-----------------------|--------------|

| | |
|-----------------------|-------|
| Mating Retention Type | Latch |
|-----------------------|-------|

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

| | |
|---------------------|---------|
| 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 |
|-----------------|----------|

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|---------------|-------|
| Housing Color | Black |
|---------------|-------|

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 | 1000 |
|--------------------|------|

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|------------------|--------|
| Packaging Method | Carton |
|------------------|--------|

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 2022 (224) |
|--|--|



Candidate List Declared Against: JUNE 2022 (224)

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



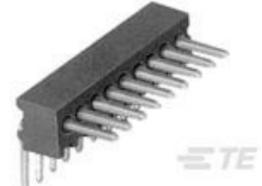
TE Part # CAT-F439-S01339127
1.27mm FFC Connectors Socket Contacts



TE Part # 5-104074-4
20 SYSTEM 50 HDR SRRA SHRD SN



TE Part # 5-104071-4
20 SYSTEM 50 HDR SRST SHRD SN



TE Part # 6-104186-1
20 SYS 50 HDR SRRA UNSHRD SN



TE Part # 104071-4
20 SYSTEM 50 HDR SRST SHRD



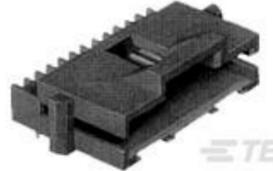
TE Part # 6-104178-1
20 SYS 50 HDR SRST UNSHRD SN



TE Part # 1-104178-1
20 SYSTEM 50 HDR SRST UNSHRD



TE Part # 1-104186-1
20 SYSTEM 50 HDR SRRA UNSHRD



TE Part # 104074-4
20 SYSTEM 50 HDR SRRA SHRD



Documents

Product Drawings

[020 HOUSING FFC RCPT 050CL SR](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-487545-7_AH.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-487545-7_AH.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-487545-7_AH.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION3AND4](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English