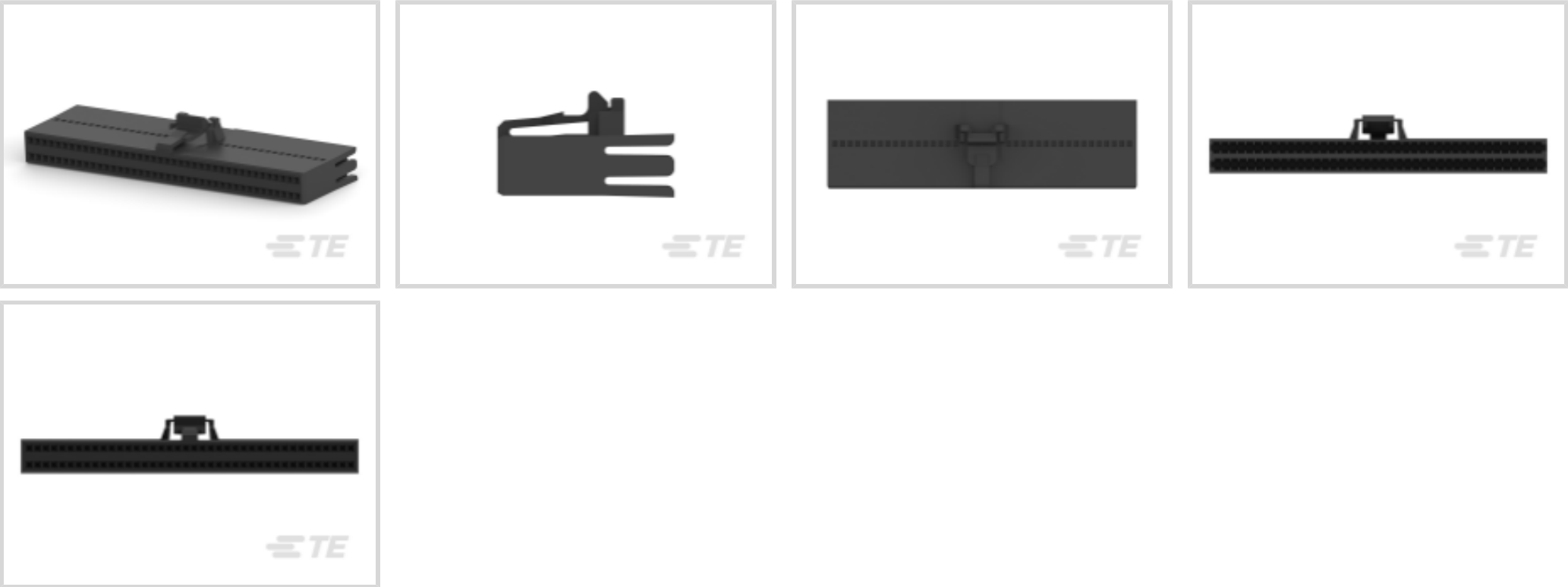




TE Internal #: 8-487937-0  
Housing, Wire-to-Board, 80 Position, 1.27 mm [.05 in] Centerline, 2  
Row, Socket, Package, Mating Retention, Normal, Mating  
Alignment, FFC Connectors  
[View on TE.com >](#)

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: **80**  
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    |
| 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 | 80 |
| Number of Rows      | 2  |

Electrical Characteristics

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

Body Features



|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

Contact Features

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

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 | 150     |
| 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)<br>Candidate List Declared Against: JUNE 2024 (241)<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              | 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

|                                                                           |                                                          |                                                          |                                                          |
|---------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| <br>TE Part # CAT-F439-S01339127<br>1.27mm FFC Connectors Socket Contacts | <br>TE Part # 5-104069-3<br>80 sys 50 hdr drra shrd sn   | <br>TE Part # 6-104068-6<br>80 SYSTEM 50 HDR DRST SHRD   | <br>TE Part # 6-103916-6<br>80 sys 50 hdr drst unshrd sn |
| <br>TE Part # 5-104666-5<br>80 SYSTEM 50 HDR DRST SHRD SN                 | <br>TE Part # 5-104549-9<br>80 SYS50 S/M HDR DRST SHRDSN | <br>TE Part # 104549-9<br>80 SYS50 SURFMNT HDR DRST SHRD | <br>TE Part # 5-147377-7<br>80 SYS50 SMT HDR DR SHD SN   |

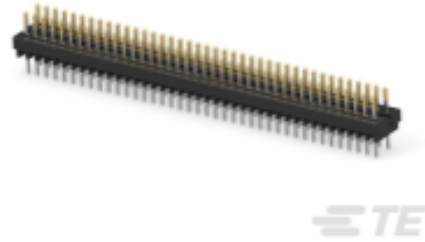




TE Part # 104069-3  
80 SYSTEM 50 HDR DRRA SHRD



TE Part # 104477-6  
80 SYSTEM 50 HDR DRRA SHRD



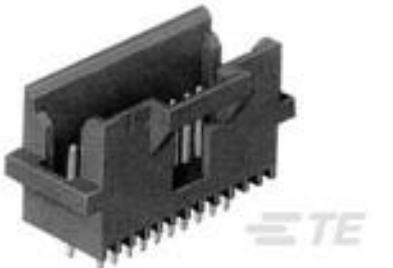
TE Part # 1-103916-6  
80 SYSTEM 50 HDR DRST UNSHRD



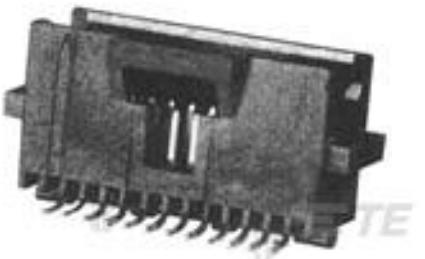
TE Part # 1-104068-6  
80 SYSTEM 50 HDR DRST SHRD



TE Part # 1-104118-6  
80 SYSTEM 50 HDR DRRA UNSHRD



TE Part # 104666-5  
80 SYSTEM 50 HDR DRST SHRD



TE Part # 147377-7  
80 SYS50 SMT HDR DR SHD W/O HD

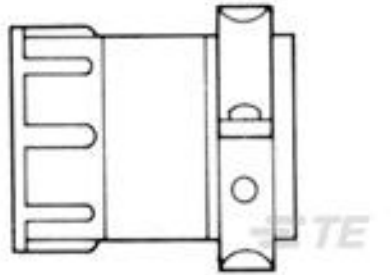


TE Part # 5-104477-6  
80 SYSTEM 50 HDR DRRA SHRD SN



TE Part # 6-104118-6  
80 SYS 50 HDR DRRA UNSHRD SN

Customers Also Bought



TE Part #206322-9  
CABLE CLAMP SIZE 17



TE Part #206037-1  
CPC PLUG ASSEMBLY SIZE 17-16



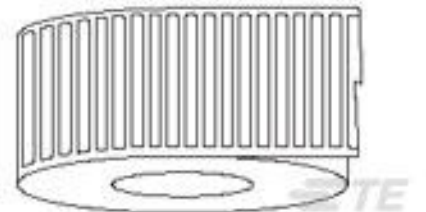
TE Part #487545-7  
FFC Receptacle Housing: 1.27mm



TE Part #1-487547-1  
FFC,RCPT CONTACT,.050" CNTRLIN



TE Part #1658525-4  
622-0653LF, PCB IDC, LEAD FREE



TE Part #A36726-000  
EP-762095-5-9



TE Part #6250570003  
D-141-24CS2492

Documents



Product Drawings

080 HOUSING FFC 50CL DR LATCH

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_8-487937-0\_R.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_8-487937-0\_R.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-487937-0\_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

Product Specifications

Application Specification

English

Agency Approvals

CSA Certificate

English