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**Part Number:** [501786-8090](#)  
**Status:** **Active**  
**Overview:** FFC-FPC (SMT)  
**Description:** 0.50mm Pitch FFC-to-Board Connector, Receptacle Housing Assembly, Vertical, SMT, without Grounding terminals, 80 Circuits

**Documents:**

[3D Model](#) [Packaging Specification SPK-501786-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-501786-001 \(PDF\)](#)

**General**

|                |                                    |
|----------------|------------------------------------|
| Product Family | FFC/FPC Connectors                 |
| Series         | <a href="#">501786</a>             |
| Comments       | Requires a custom FFC with notches |
| Overview       | <a href="#">FFC-FPC (SMT)</a>      |
| Product Name   | N/A                                |
| UPC            | 822350307642                       |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Circuits (Loaded)              | 80                    |
| Color - Resin                  | Black                 |
| Contact Position               | N/A                   |
| Durability (mating cycles max) | 20                    |
| Entry Angle                    | Vertical              |
| Mated Height                   | 8.95mm                |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 794.240/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Vertical              |
| PCB Locator                    | Yes                   |
| PCB Retention                  | Yes                   |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 0.50mm                |
| Polarized to PCB               | Yes                   |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40°C to +85°C        |
| Termination Interface: Style   | Surface Mount         |
| Wire/Cable Type                | FFC only              |

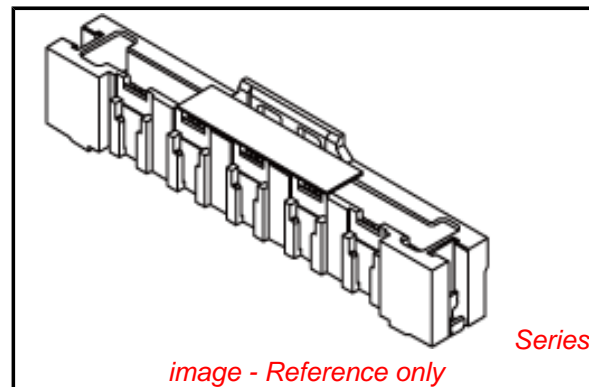
**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A            |
| Voltage - Maximum             | 50V AC (RMS)/DC |

**Material Info**

**Reference - Drawing Numbers**

|                         |                               |
|-------------------------|-------------------------------|
| Packaging Specification | SPK-501786-001                |
| Product Specification   | PS-501786-001, RPS-501786-006 |
| Sales Drawing           | SD-501786-001, SD-501786-003  |



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



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 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

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[501786Series](#)

**Use With**

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