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**Part Number:** [501864-5090](#)  
**Status:** **Active**  
**Overview:** FFC-FPC (SMT)  
**Description:** 0.50mm Pitch FFC-to-Board Connector, Receptacle Housing Assembly, Right Angle, SMT, without Grounding terminals, 50 Circuits

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-501864-001 \(PDF\)](#)  
[Packaging Specification SPK-501864-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |                                    |
|----------------|------------------------------------|
| Product Family | FFC/FPC Connectors                 |
| Series         | <a href="#">501864</a>             |
| Comments       | Requires a custom FFC with notches |
| Overview       | <a href="#">FFC-FPC (SMT)</a>      |
| Product Name   | N/A                                |
| UPC            | 822350575850                       |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Circuits (Loaded)              | 50                    |
| Color - Resin                  | Black                 |
| Contact Position               | Bottom                |
| Durability (mating cycles max) | 20                    |
| Entry Angle                    | 90° Angle             |
| Mated Height                   | 4.85mm                |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Gold                  |
| Material - Plating Termination | Gold                  |
| Net Weight                     | 689.600/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Right Angle           |
| 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-501864-001                |
| Product Specification   | PS-501864-001, RPS-501864-006 |
| Sales Drawing           | SD-501864-001, SD-501864-003  |



image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



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non-product compliance questions.

**Search Parts in this Series**

[501864](#)Series

**Use With**

[5017835009](#) Plug Jacket . [5017845009](#) Plug  
Jacket Cover