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**Part Number:** [5010541470](#)  
**Status:** **Active**  
**Description:** 0.50mm Pitch Cradlecon™ I/O Plug, SMT, Right Angle, SMT Shell Tabs, 14 Circuits

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-51283-013 \(PDF\)](#)  
[Packaging Specification SPK-501054-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |                               |
|----------------|-------------------------------|
| Product Family | I/O Connectors                |
| Series         | <a href="#">501054</a>        |
| Application    | Board-to-Board, Wire-to-Board |
| Component Type | Plug                          |
| Product Name   | CradleCon™                    |
| Type           | N/A                           |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Boot Color                     | N/A                            |
| Circuits (Loaded)              | 14                             |
| Circuits (maximum)             | 14                             |
| Color - Resin                  | Black                          |
| Gender                         | Plug                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | No                             |
| Pitch - Mating Interface       | 0.50mm                         |
| Pitch - Termination Interface  | 0.50mm                         |
| Plating min - Mating           | 0.203µm                        |
| Plating min - Termination      | 2.032µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Ports                          | 1                              |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -20°C to +60°C                 |
| Termination Interface: Style   | Surface Mount                  |
| Waterproof / Dustproof         | No                             |

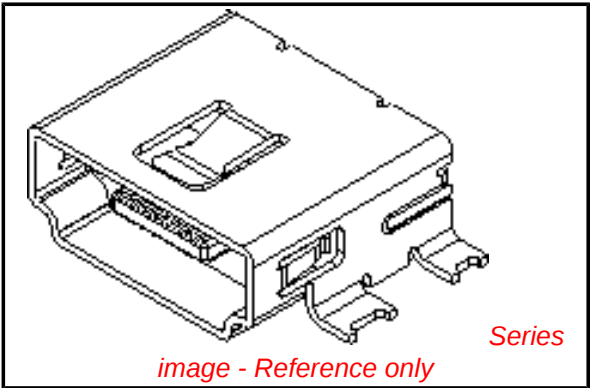
**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A            |
| Shield Type                   | Full Shield     |
| Shielded                      | Yes             |
| Voltage - Maximum             | 30V AC (RMS)/DC |

**Material Info**

**Reference - Drawing Numbers**

|                         |                             |
|-------------------------|-----------------------------|
| Packaging Specification | SPK-501054-001              |
| Product Specification   | PS-51283-013, RPS-51283-017 |



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



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Compliance, [click here](#)

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**Search Parts in this Series**

[501054Series](#)

**Mates With**

[5008871419](#) , [Custom Harness](#)

This document was generated on 01/23/2012

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