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Part Number:

5010542670

Status:

Active

Description:

0.50mm (.020") Pitch Cradlecon™ I/O Plug, SMT, Right Angle, SMT Shell Tabs, 26 Circuits

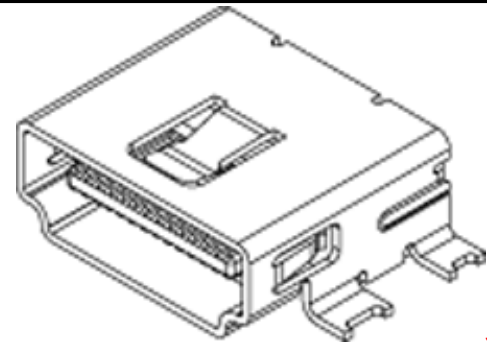


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-54944-027 \(PDF\)](#)
- [Packaging Specification SPK-501054-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

|                |                |
|----------------|----------------|
| Product Family | I/O Connectors |
| Series         | 501054         |
| Application    | Wire-to-Board  |
| Component Type | Plug           |
| Product Name   | CradleCon™     |
| Type           | N/A            |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Boot Color                     | N/A                            |
| Circuits (Loaded)              | 26                             |
| Circuits (maximum)             | 26                             |
| 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                            |
| PCB Thickness - Recommended    | 0.80mm (.031"), 1.00mm (.039") |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | No                             |
| Pitch - Mating Interface       | 0.50mm (.020")                 |
| Pitch - Termination Interface  | 0.50mm (.020")                 |
| Plating min - Mating           | 0.203µm (8µ")                  |
| Plating min - Termination      | 2.032µm (80µ")                 |
| 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

EU RoHS

ELV and RoHS  
Compliant

REACH SVHC

Not Reviewed  
Low-Halogen Status  
Not Reviewed

China RoHS



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environmental compliance?

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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.

Search Parts in this Series

501054Series

Mates With

500825-2670 , 54944-2670

Packaging Specification  
Product Specification  
Sales Drawing

SPK-501054-001  
PS-54944-027  
SD-501054-001, SD-501054-002

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