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Part Number: [5010141474](#)
Status: **Active**
Description: 0.50mm (.020") Pitch Cradlecon™ I/O Plug, SMT, Right Angle, Through Hole Shell Tabs, 14 Circuits, with Kapton Pick and Place Tape

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-500887-002 \(PDF\)](#)
[Product Specification PS-59205-011 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

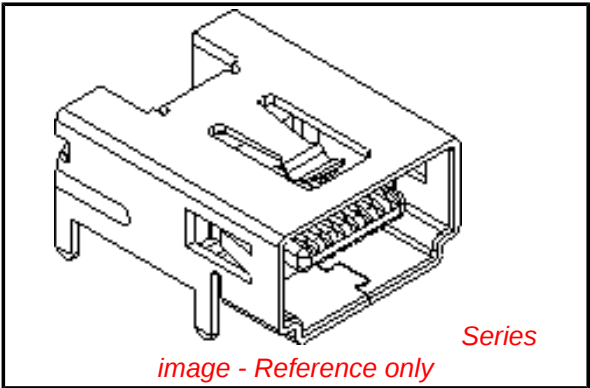
Product Family	I/O Connectors
Series	501014
Application	Wire-to-Board
Comments	With Kapton Tape
Component Type	Plug
Product Name	CradleCon™
Type	N/A

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	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.031 In, 0.039 In
PCB Thickness Recommended (mm)	0.80 mm, 1.00 mm
Packaging Type	Embossed Tape on Reel
Panel Mount	No
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Pitch - Term. Interface (in)	0.020 In
Pitch - Term. Interface (mm)	0.50 mm
Plating min: Mating (µin)	8
Plating min: Mating (µm)	0.2
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2
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	0.4A
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EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed



Need more information on product environmental compliance?

Email productcompliance@molex.com
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
[501014Series](#)

Mates With
Custom Harness, [500887-1419](#)

Shield Type
Shielded
Voltage - Maximum

Full Shield
Yes
30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-500887-002, PS-59205-011, RPS-500240-003
SD-501014-007, SD-501014-008

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