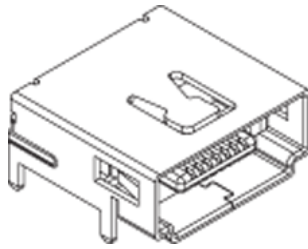


**Part Number: 501091-1470**

0.50mm Pitch Cradlecon™ I/O Plug, SMT, Right Angle, with 4 Straight Solder Tabs 0.85mm Length, 14 Circuits



Series image - Reference only

Status:	OBSOLETE
Replacement:	Contact Molex
Series:	501091
Category:	I/O Connectors

Mates With Part(s):Custom Harness, [512831416](#), [5008871419](#)**Part Detail****General**

Status	Obsolete
Category	I/O Connectors
Series	501091
Application	Board-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	Yes
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**(Please review the Product Specification for specific details.)**

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

Material Info

UPC	822348357710
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Reference - Drawing Numbers

Product Specification	PS-54946-001
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Application Tooling

Application Tooling
Application Tooling

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

Previously Available Application Tooling

[Check our list of old tooling that used to be available for this part](#)