

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [501912-4590](#)  
**Status:** **Active**  
**Description:** 0.30mm Pitch Easy-On™ FPC Connector, Right Angle, SMT, Bottom Contact Style, 1.80mm Mated Height, 45 Circuits

**Documents:**

[3D Model](#) [Packaging Specification SPK-501912-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-501912-001 \(PDF\)](#)

**General**

Product Family	FFC/FPC Connectors
Series	<a href="#">501912</a>
Product Name	Easy-On™

**Physical**

Circuits (Loaded)	45
Circuits (maximum)	45
Color - Resin	Black, Natural
Contact Position	Bottom
Durability (mating cycles max)	20
Entry Angle	90° Angle
Mated Height	1.80mm
Material - Metal	Copper, Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.30mm
Pitch - Termination Interface	0.30mm
Plating min - Mating	0.102µm
Plating min - Termination	0.051µm
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Wire/Cable Type	FPC only

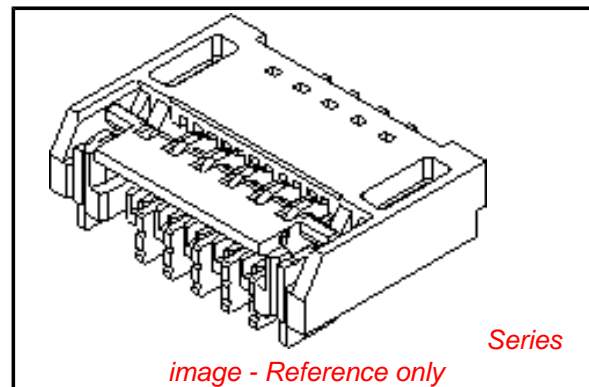
**Electrical**

Current - Maximum per Contact	0.2A
Voltage - Maximum	50V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	SPK-501912-001
Product Specification	PS-501912-001, RPS-501912-001, RPS-501912-002, RPS-501912-003
Sales Drawing	SD-501912-001, SD-501912-002



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No  
Low-Halogen Status  
Not Reviewed**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto: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**  
[501912Series](#)

This document was generated on 04/03/2012

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**