

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

**Part Number:** [0512961233](#)  
**Status:** **Active**  
**Overview:** Easy-On FFC FPC Connectors  
**Description:** 0.50mm Pitch Easy-On FFC/FPC Connector, 1.30mm Height, Right-Angle, Surface Mount, ZIF, Bottom Contact Style, 12 Circuits

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-51296-009-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification SPK-51296-007-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E29179

**General**

Product Family	FFC/FPC Connectors
Series	51296
Overview	<a href="#">Easy-On FFC FPC Connectors</a>
Product Name	Easy-On
UPC	887191325897

**Physical**

Actuator Type	Front Flip
Circuits (Loaded)	12
Color - Resin	Beige, Black
Contact Position	Bottom
Durability (mating cycles max)	20
Flammability	94V-0
Mated Height	1.30mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin-Silver-Bismuth
Material - Plating Termination	Tin-Silver-Bismuth
Material - Resin	Nylon
Net Weight	76.201/mg
Number of Rows	1
Orientation	Right Angle
PC Tail Length	2.00mm
PCB Locator	No
PCB Mounting	Surface Mount
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-40° to +85°C
Wire/Cable Type	FFC/FPC

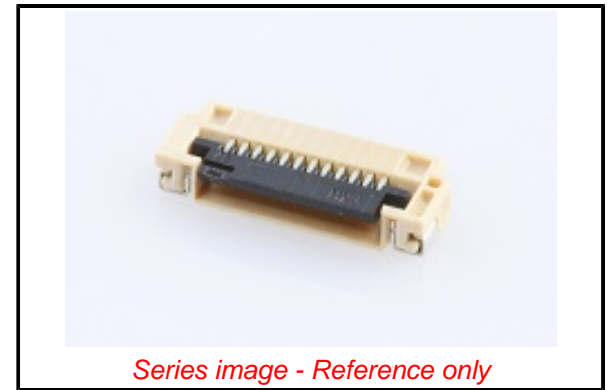
**Electrical**

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	SPK-51296-007-001
Product Specification	PS-51296-009-001
Sales Drawing	SD-51296-017-001, SD-51296-018-001



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2021)4569-DC (8  
July 2021)  
Dicyclohexyl-  
phthalate  
Dihexyl-phthalate  
Phenanthrene  
Imidazolidine-2-thione  
Dipentyl phthalate  
bis(2-(2-  
methoxyethoxy)ethyl)  
ether  
Dodecamethylcyclhexasiloxane  
Decamethylcyclopentasiloxane  
Octamethylcyclotetrasiloxane  
1,2-  
Benzenedicarboxylic  
acid, bis(3-  
methylbutyl)  
1,2-diethoxyethane  
Dibutyltin-dichloride  
Ammonium-  
pentadecafluorooctanoate  
Disodium-octaborate  
Dibutylbis(pentane-2,4-  
dionato-O,O')tin  
2-(2H-Benzotriazol-2-  
yl)-4,6-  
ditertpentylphenol  
Terphenyl,  
hydrogenated  
1,2-  
Benzenedicarboxylic  
acid, dipentyl ester, br  
n-pentyl-  
isopentylphthalate  
Nonadecafluorodecanoic  
acid (PFDA) and its  
sodiu

**China RoHS**

Tris(4-nonylphenyl,  
branched and linear)  
phosphi  
Fluoranthene  
Pyrene  
Perfluorononan-1-  
oic acid  
(2,2,3,3,4,4,5,5,6,6,7  
Methylhexahydrophthalic  
anhydride  
reaction mass of  
2-ethylhexyl 10-  
ethyl-4,4-dioct  
Lead sulfochromate  
yellow  
Tris(2-chloroethyl)  
phosphate  
Strontium-chromate  
1,2-  
Benzenedicarboxylic  
acid, di-C7-11-  
branched  
1,2-  
Benzenedicarboxylic  
acid, di-C6-8-  
branched a  
bis(2-methoxyethyl)  
ether  
Potassium  
hydroxyoctaoxidizincatedichromate  
1,2-bis(2-  
methoxyethoxy)ethane  
Diboron-trioxide  
Cadmium-oxide  
Cadmium-sulphide  
Lead  
pyrochlore, antimony  
lead yellow  
Lead-dinitrate  
Lead oxide sulfate  
(Pb2O(SO4))  
Lead-titanium-trioxide  
Pentalead-tetraoxide-  
sulphate  
Trilead-dioxide-  
phosphonate  
Tetralead-trioxide-  
sulphate  
Dioxobis(stearato)trilead  
Lead titanium  
zirconium oxide  
Cyanamide, lead(2+)  
salt (1:1)  
Sulfurous Acid, Lead  
Salt, Dibasic  
Silicic acid (H2Si2O5),  
barium salt (1:1),  
lead-  
[Phthalato(2-)]dioxotrilead  
4-aminoazobenzene

**Halogen-Free  
Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**  
[51296 Series](#)

This document was generated on 08/31/2021

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