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**Part Number:** [1510590001](#)  
**Status:** **Active**  
**Overview:** SIM - Smart Card Connectors  
**Description:** Block-Style SIM Connector (0.34mm Height) with Nano-SIM Card Socket Shell, 0.50µm Gold(Au) Plating, 6 circuits, Halogen-free

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-151059-0001 \(PDF\)](#)

**General**

Product Family	Memory Card Sockets
Series	151059
Comments	Housing Height: 0.30mm; Soldertail Height: 0.04mm
Component Type	Header/Socket (Host)
Overview	<a href="#">SIM - Smart Card Connectors</a>
Product Name	Block SIM
Style	Block
Type	N/A
UPC	887191907437

**Physical**

Card Detection Switch	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	750
Ejector Button	No
Ejector Button Side	N/A
Entry Angle	Horizontal
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	56.879/mg
PCB Locator	No
PCB Mounting Side	Normal
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Plating min - Mating	0.508µm
Plating min - Termination	2.032µm
Ports	1
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.5A
Shielded	No
Voltage - Maximum	10V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	040
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	003



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2015 June 15): No

**Halogen-Free**

**Status**

**Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[151059](#) Series

**Mates With**

Nano-SIM Card

**Use With**

Nano-SIM Card

Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-151059-0001  
Sales Drawing SD-151059-0001

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