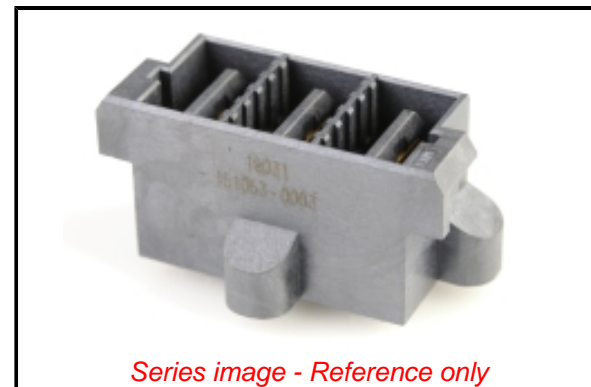


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1510530003](#)  
**Status:** **Active**  
**Overview:** EXTreme Guardian System  
**Description:** 11.00mm Pitch EXTreme Guardian Power Vertical Plug PCB Header, 2.30mm PCB Thickness, Gold (Au) Plating, 3 Circuits

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification 1510350000-AS-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-151053-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-151053-0003-001 (PDF)</a>
<a href="#">Product Specification PS-151053-0000-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



*Series image - Reference only*

**Application tooling part link**

Application Tooling Part Link 200199-1500

**General**

Product Family	PCB Headers
Series	<a href="#">151053</a>
Application	Power, Wire-to-Board
Component Type	PCB Header
Overview	<a href="#">EXTreme Guardian System</a>
Product Name	EXTreme Guardian
Taxonomy	Board-to-Board Connectors
UPC	889056571715

**Physical**

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	18.531/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	2.83mm
PCB Locator	No
PCB Thickness - Recommended	2.30mm
Packaging Type	Tray
Pitch - Mating Interface	11.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact	80.0A
Voltage - Maximum	600V AC/DC

**Solder Process Data**

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained per -  
D(2022)9120-DC (17  
Jan 2023)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[151053 Series](#)

**Mates With**

[EXTreme Guardian Receptacle Housing  
1510340013](#)

Lead-freeProcess Capability

N/A

**Material Info**

**Reference - Drawing Numbers**

Application Specification

1510350000-AS-000

Packaging Specification

PK-151053-0001-001

Product Specification

PS-151053-0000-001

Sales Drawing

SD-151053-0001-001

Symbol/Footprint Data

SYM-151053-0003-001

This document was generated on 04/18/2023

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