molex
one company › a world of innovation

This document was generated on 12/14/2017

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

**Part Number:** 1510530001

**Status:** Active

**Overview:** EXTreme Guardian™ System

**Description:** 11.00mm Pitch EXTreme Guardian Power Vertical Plug PCB Header, 2.30mm PCB Thickness, Gold Plated, 2 Circuits

*Series image - Reference only*

**Documents:**

Drawing (PDF)
Product Specification PS-151053-0000-001 (PDF)
Packaging Specification PK-151053-0001-001 (PDF)
RoHS Certificate of Compliance (PDF)

**Agency Certification**

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

**General**

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 151053 |
| Application | Power, Wire-to-Board |
| Overview | EXTreme Guardian™ System |
| Product Name | EXTreme Guardian |
| UPC | 887191678429 |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | No |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold over Nickel |
| Material - Plating Termination | Tin over Nickel |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 13.974/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°C 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**

| | |
|---|---|
| Lead-freeProcess Capability | N/A |

**EU ELV**
**Not Relevant**

**EU RoHS**
**Compliant**

**China RoHS**

**REACH SVHC**
Not Contained Per - ED/30/2017 (7 July 2017)

**Halogen-Free Status**
**Low-Halogen**

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

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
151053 Series

**Mates With**
EXTreme Guardian Power Receptacle Assembly 151034 , EXTreme Guardian Overmolded Cable Assemblies 68790 , 111119

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Packaging Specification | PK-151053-0001-001 |
| Product Specification | PS-151053-0000-001 |

This document was generated on 12/14/2017

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