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**Part Number:** [46817-1002](#)  
**Status:** **Active**  
**Overview:** [EXTreme Guardian™ System](#)  
**Description:** EXTreme Guardian™ 2 Circuit Power Plug Assembly without Stand-Off, PC Tail  
 3.86mm

**Documents:**

[3D Model](#) [Product Specification PS-46819-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 TUV R72130381  
 UL E29179

**General**

Product Family PCB Headers  
 Series [46817](#)  
 Application Wire-to-Board  
 Overview [EXTreme Guardian™ System](#)  
 Product Name EXTreme Guardian™  
 UPC 884982274730

**Physical**

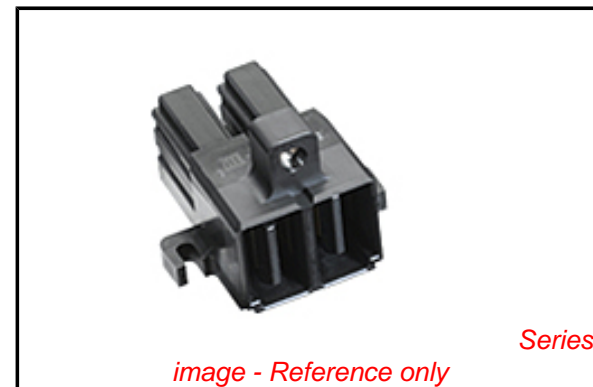
(p)ower-(s)ignal Configuration 2p - 0s  
 Breakaway No  
 Circuits (Loaded) 2  
 Circuits (maximum) 2  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 First Mate / Last Break Yes  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Lock to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 16.746/g  
 Number of Rows 1  
 Orientation Right Angle  
 PC Tail Length 3.86mm  
 PCB Locator Yes  
 PCB Thickness - Recommended 2.36mm  
 Packaging Type Tray  
 Pitch - Mating Interface 11.00mm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 80A  
 Voltage - Maximum 600V AC/DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 40



**EU RoHS**

**ELV and RoHS  
 Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



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 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**

46817Series

**Mates With**

46818 EXTreme Guardian™ Power Harness  
 Connector

Lead-free Process Capability  
Max. Cycles at Max. Process Temperature  
Process Temperature max. C

Wave Capable (TH only)  
3  
260

**Material Info**

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-46819-001  
SD-46817-1002

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