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**Part Number:** [87684-2001](#)  
**Status:** **Active**  
**Overview:** [EXTreme PowerPlus™ \(SSI\)](#)  
**Description:** 6.35mm Pitch EXTreme PowerPlus™ Header, All Power, Through Hole, Right Angle, 2 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Application Specification AS-87631-018 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-87631-006 \(PDF\)](#)

**Agency Certification**

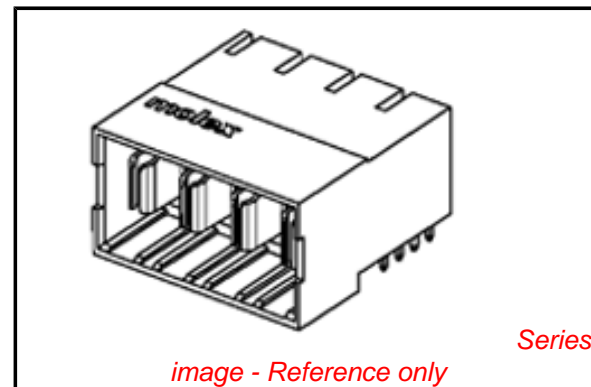
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [87684](#)  
 Application Board-to-Board, Power  
 Overview [EXTreme PowerPlus™ \(SSI\)](#)  
 Product Name EXTreme PowerPlus™  
 UPC 800756703930

**Physical**

(p)ower-(s)ignal Configuration 2p - 0s  
 Breakaway No  
 Circuits (Loaded) 2  
 Circuits (maximum) 2  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part N/A  
 Lock to Mating Part No  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 5.872/g  
 Number of Rows 1  
 Orientation Right Angle  
 PC Tail Length 3.45mm  
 PCB Locator No  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.57mm  
 Packaging Type Tray  
 Pitch - Mating Interface 6.35mm  
 Pitch - Termination Interface 6.35mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part No  
 Polarized to PCB Yes  
 Shrouded Closed Ends  
 Stackable No



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



**Need more information on product 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**  
[87684Series](#)

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-20°C to +70°C
Termination Interface: Style	Through Hole

### **Electrical**

Current - Maximum per Contact	30A
Voltage - Maximum	50V DC

### **Solder Process Data**

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

### **Material Info**

#### **Reference - Drawing Numbers**

Application Specification	AS-87631-018
Product Specification	PS-87631-006
Sales Drawing	SD-87684-001

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