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**Part Number:** [87615-1001](#)  
**Status:** **Active**  
**Overview:** EXTreme PowerPlus™ (SSI)  
**Description:** 6.35mm Pitch Power, 2.54mm Pitch Signal, EXTreme PowerPlus™ (SSI) MPS Header, Through Hole, Right Angle, 35 Circuits, Short Power Blade Contact, with Beveled Metal Pin, Lead-Free

**Documents:**

[3D Model](#) [Application Specification AS-87631-018 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-87615-005 \(PDF\)](#)

**Agency Certification**

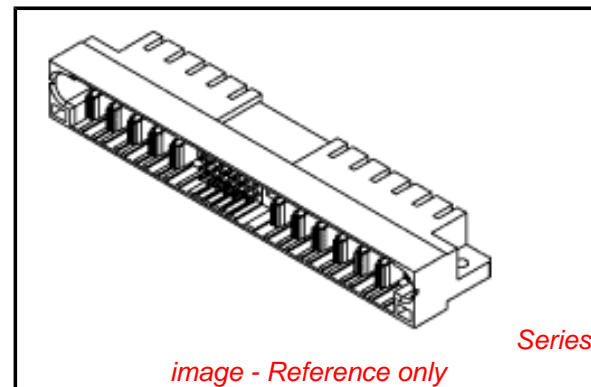
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [87615](#)  
 Application Board-to-Board, Power  
 Comments <LI>Short Blade|<LI>Recessed Signal Pin : A6  
 Overview [EXTreme PowerPlus™ \(SSI\)](#)  
 Product Name EXTreme PowerPlus™  
 UPC 822348519156

**Physical**

(p)ower-(s)ignal Configuration 5p - 24s - 6p  
 Breakaway No  
 Circuits (Loaded) 35  
 Circuits (maximum) 35  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 First Mate / Last Break Yes  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 37.892/g  
 Number of Rows 4  
 Orientation Right Angle  
 PC Tail Length 3.43mm  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 2.54mm, 6.35mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**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**

[87615Series](#)

**Mates With**

87616 EXTreme PowerPlus™ (SSI) MPS Receptacle, Through Hole, 87665 EXTreme PowerPlus™ (SSI) MPS Receptacle, Press Fit

Temperature Range - Operating -20°C to +70°C  
Termination Interface: Style Through Hole

### **Electrical**

Current - Maximum per Contact 2.5A, 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-87615-005  
Sales Drawing SD-87615-010

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