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**Part Number:** [87631-3009](#)  
**Status:** **Active**  
**Overview:** EXTreme PowerPlus™ (SSI)  
**Description:** 6.35mm Pitch Power, 2.54mm Pitch Signal, EXTreme PowerPlus™ P-S-P Header, Through Hole, Right Angle, Short Contacts, 30 Circuits, Power Alpha 2, Signal 24, Power Beta 4, Recessed Signal Pin B4, 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**

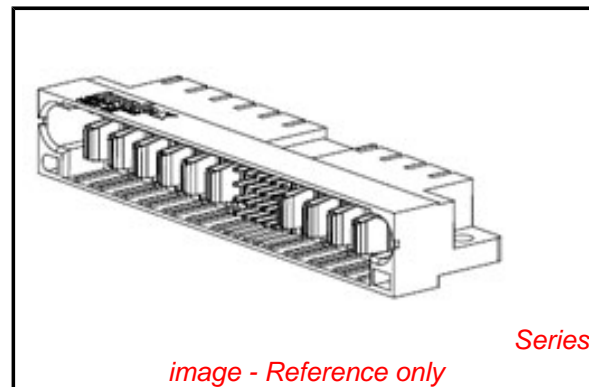
CSA LR19980  
TUV R50078473

**General**

Product Family PCB Headers  
Series [87631](#)  
Application Board-to-Board, Power  
Comments <LI>Short Contacts|<LI>Recessed Signal Pin: B4  
Overview [EXTreme PowerPlus™ \(SSI\)](#)  
Product Name EXTreme PowerPlus™

**Physical**

(p)ower-(s)ignal Configuration 2p - 24s - 4p  
Breakaway No  
Circuits (Loaded) 30  
Circuits (maximum) 30  
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 Yes  
Lock to Mating Part Yes  
Material - Metal Copper Alloy  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Number of Rows 4  
Orientation Right Angle  
PC Tail Length 3.43mm  
PCB Locator Yes  
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  
Temperature Range - Operating -20°C to +105°C



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Not Reviewed**

**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**

[87631Series](#)

**Mates With**

[87633 Vertical Press-Fit Receptacle](#), [87622 Vertical Through Hole Receptacle](#), [87632 Right Angle Through Hole Receptacle](#)

Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 2.5A, 30A  
Voltage - Maximum 250V 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**

UPC 822348533688

**Reference - Drawing Numbers**

Application Specification AS-87631-018  
Product Specification PS-87631-006  
Sales Drawing SD-87631-013

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