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**Part Number:** [87631-2001](#)  
**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, 52 Circuits, Power Alpha 2, Signal 48, Power Beta 2, Recessed Signal Pins A1, A12, D1, D12, 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

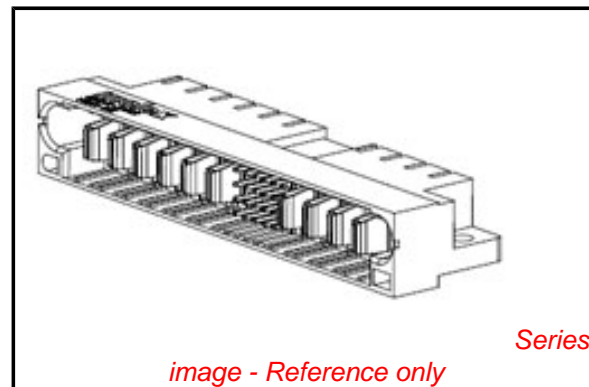
**General**

Product Family PCB Headers  
Series [87631](#)  
Application Board-to-Board, Power  
Comments <LI>Short Contacts|<LI>Recessed Signal Pins: A1, A12, D1, D12

Overview [EXTreme PowerPlus™ \(SSI\)](#)  
Product Name EXTreme PowerPlus™  
UPC 800756697420

**Physical**

(p)ower-(s)ignal Configuration 2p - 48s - 2p  
Breakaway No  
Circuits (Loaded) 52  
Circuits (maximum) 52  
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  
Net Weight 23.038/g  
Number of Rows 4  
Orientation Right Angle  
PC Tail Length 3.43mm  
PCB Retention Yes  
PCB Thickness - Recommended 1.57mm  
Packaging Type Tray  
Pitch - Mating Interface 2.54mm, 3.18mm, 6.35mm  
Plating min - Mating 0.762µm  
Plating min - Termination 2.540µm  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Shrouded Fully



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
Not Reviewed  
**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](#)

Stackable	No
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	2.5A, 50A
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****Reference - Drawing Numbers**

Application Specification	AS-87631-018
Product Specification	PS-87631-006
Sales Drawing	SD-87631-014

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