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**Part Number:** [87631-2013](#)  
**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, Long Contacts, 48 Circuits, Power Alpha 4, Signal 40, Power Beta 4, Recessed Signal Pins A1, A10, Lead-Free

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

**Agency Certification**

CSA LR19980  
TUV R50078473

**General**

Product Family PCB Headers  
Series [87631](#)  
Application Board-to-Board, Power  
Comments <LI>Long Contacts|<LI>Recessed Signal Pins: A1, A10  
Overview [EXTreme PowerPlus™ \(SSI\)](#)  
Product Name EXTreme PowerPlus™  
UPC 822348699247

**Physical**

(p)ower-(s)ignal Configuration 4p - 40s - 4p  
Breakaway No  
Circuits (Loaded) 48  
Circuits (maximum) 48  
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 32.962/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

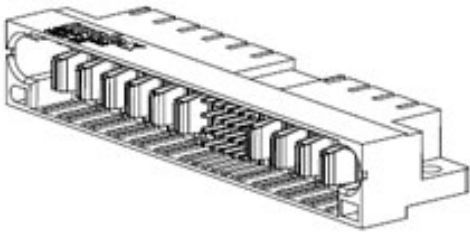


image - Reference only

Series

**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**  
[87631Series](#)

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

|                               |                 |
|-------------------------------|-----------------|
| Temperature Range - Operating | -20°C to +105°C |
| 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**

**Reference - Drawing Numbers**

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

This document was generated on 10/19/2012

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