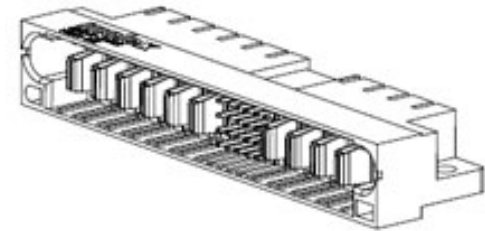


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Part Number: [0876312022](#)
Status: **Contact Molex**
Overview: [extreme_powerplus_ssi](#)
Description: 6.35mm (.250") Pitch Power, 2.54mm (.100") Pitch Signal, EXTreme PowerPlus™ P-S-P Header, Through Hole, Right Angle, Long Contacts, 36 Circuits, Power Alpha 6, Signal 24, Power Beta 6, Recessed Signal Pin B4, Lead-free



Series

image - Reference only

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 Long Contacts|Recessed Signal Pin: B4
Overview [extreme_powerplus_ssi](#)
Product Name EXTreme PowerPlus™

Physical

(p)ower-(s)ignal Configuration 6p - 24s - 6p
Breakaway No
Circuits (Loaded) 36
Circuits (maximum) 36
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
Number of Rows 4
Orientation Right Angle
PC Tail Length 3.43mm (.135")
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 1.60mm (.063")
Packaging Type Tray
Pitch - Mating Interface 2.54mm (.100"), 6.35mm (.250")
Plating min - Mating 0.762µm (30µ")
Polarized to Mating Part Yes
Polarized to PCB Yes
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -20°C to +105°C

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
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	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-87631-014

This document was generated on 05/12/2011

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