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Part Number: [87631-4000](#)
Status: **Active**
Overview: [EXTreme PowerPlus™ \(SSI\)](#)
Description: 6.99mm Pitch Power, 2.54mm Pitch Signal, EXTreme PowerPlus™ 1P-24S-1P Header, Through Hole, Right Angle, Long Contacts, 26 Circuits, Power Alpha 1, Signal 24, Power Beta 1, Recessed Signal Pin at A2, Screw Mount version, 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

General

Product Family PCB Headers
Series [87631](#)
Application Board-to-Board, Power
Comments Long Contacts|Recessed Signal Pin: A2
Overview [EXTreme PowerPlus™ \(SSI\)](#)
Product Name EXTreme PowerPlus™
UPC 800756825182

Physical

(p)ower-(s)ignal Configuration 1p - 24s - 1p
Breakaway No
Circuits (Loaded) 26
Circuits (maximum) 26
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 No
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Net Weight 14.952/g
Number of Rows 4
Orientation Right Angle
PC Tail Length 3.43mm
PCB Locator No
PCB Retention Yes
PCB Thickness - Recommended 1.57mm
Packaging Type Tray
Pitch - Mating Interface 2.54mm, 6.99mm
Plating min - Mating 0.762µm
Plating min - Termination 2.540µm
Polarized to Mating Part Yes
Polarized to PCB Yes
Shrouded Fully
Stackable No

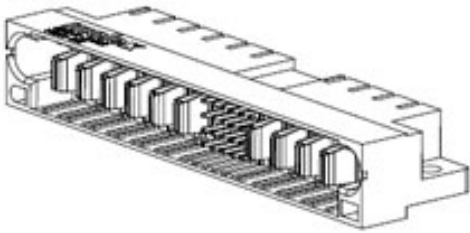


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Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



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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](#)

Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2.5A, 30A, 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-87631-004

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