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Part Number: [87631-2014](#)
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, 22 Circuits, Power Alpha 4, Signal 16, Power Beta 2, Recessed Signal Pins A1, A2, A4, B1, B3, C2, C4, D1, D2, D3, D4

Documents:

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

Agency Certification

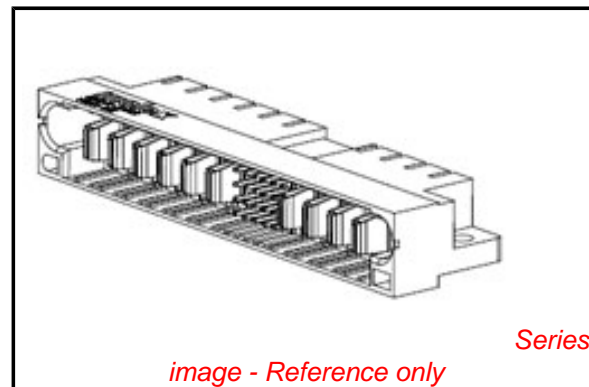
CSA LR19980
TUV R50078473

General

Product Family PCB Headers
Series [87631](#)
Application Board-to-Board, Power
Comments Long Contacts|Recessed Signal Pins: A1, A2, A4, B1, B3, C2, C4, D1, D2, D3, D4
Overview [EXTreme PowerPlus™ \(SSI\)](#)
Product Name EXTreme PowerPlus™
UPC 822348857630

Physical

(p)ower-(s)ignal Configuration 4p - 16s - 2p
Breakaway No
Circuits (Loaded) 22
Circuits (maximum) 22
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 22.308/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



EU RoHS

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

Stackable	No
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

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