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Part Number: [87631-3013](#)
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, 30 Circuits, Power Alpha 4, Signal 24, Power Beta 2, Recessed Signal Pin C1, 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

General

Product Family PCB Headers
 Series [87631](#)
 Application Board-to-Board, Power
 Comments Short Contacts|Recessed Signal Pin: C1
 Overview [EXTreme PowerPlus™ \(SSI\)](#)
 Product Name EXTreme PowerPlus™
 UPC 822348533626

Physical

(p)ower-(s)ignal Configuration 4p - 24s - 2p
 Breakaway No
 Circuits (Loaded) 30
 Circuits (maximum) 30
 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 23.686/g
 Number of Rows 4
 Orientation Right Angle
 PC Tail Length 3.43mm
 PCB Locator Yes
 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



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
 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-87631-013

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