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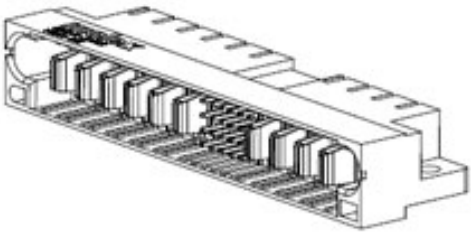
Part Number: [0876313041](#)
Status: **Active**
Overview: [EXTreme PowerPlus™ \(SSI\)](#)
Description: 6.35mm Pitch Power, 3.18mm, 2.54mm Pitch Signal, EXTreme PowerPlus™ P-S-P Header, Through Hole, Right Angle, Long Contacts, 28 Circuits, Power Alpha 2, Signal 24, Power Beta 2, Recessed Signal Pin at C3, Lead-Free

Documents:
[3D Model](#) [Application Specification AS-87631-018-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87631-006-001 \(PDF\)](#)

Agency Certification
CSA LR19980

General
Product Family PCB Headers
Series [87631](#)
Application Board-to-Board, Power
Comments Long Contacts|Recessed Signal Pins: C3
Overview [EXTreme PowerPlus™ \(SSI\)](#)
Product Name EXTreme PowerPlus™
UPC 822350788144

Physical
(p)ower-(s)ignal Configuration 2p - 24s - 2p
Breakaway No
Circuits (Loaded) 28
Circuits (maximum) 28
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 19.897/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, 6.35mm
Plating min - Mating 0.762µm
Plating min - Termination 2.540µm
Polarized to Mating Part Yes
Polarized to PCB Yes
Shrouded Fully
Stackable No
Temperature Range - Operating -20°C to +105°C



Series image - Reference only

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per -
ED/21/2016 (20 June
2016)
Halogen-Free
Status
Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
[87631](#) Series

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, 30.0A, 50.0A
Voltage - Maximum	250V DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-87631-018-001
Product Specification	PS-87631-006-001
Sales Drawing	SD-87631-013

This document was generated on 11/15/2016

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