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Part Number: [0876312006](#)
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 4, Signal 28, Power Beta 4, Recessed Signal Pin A1, 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
TUV R50078473

General

Product Family PCB Headers
Series [87631](#)
Application Board-to-Board, Power
Comments Recessed Signal Pin : A1|Long Contacts
Overview [extreme_powerplus_ssi](#)
Product Name EXTreme PowerPlus™

Physical

(p)ower-(s)ignal Configuration 4p - 28s - 4p
Breakaway No
Circuits (Loaded) 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 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
Termination Interface: Style Through Hole

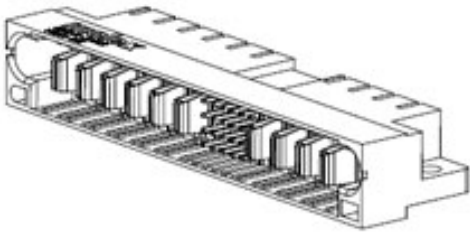


image - Reference only

Series

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

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

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