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Part Number: [0876312003](#)

Status: **Active**

Overview:

Description: 6.35mm (.250") Pitch Power, 2.54mm (.100") Pitch Signal, EXTreme PowerPlus™ P-S-P Header, Through Hole, Right Angle, Long Contacts, 45 Circuits, Power Alpha 7, Signal 32, Power Beta 6, Recessed Signal Pins A3, B6, C3, D5, Lead-free

Documents:

[3D Model](#)

[Product Specification PS-87631-006 \(PDF\)](#)

[Drawing \(PDF\)](#)

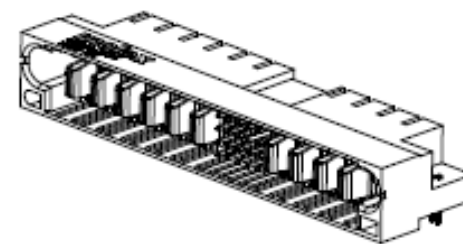
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	87631
Application	Board-to-Board
Comments	Long Contacts Recessed Signal Pins : A3, B6, C3, D5
Overview	EXTreme PowerPlus™
Product Name	EXTreme PowerPlus™

Physical

Breakaway	No
Circuits (Loaded)	45
Circuits Detail	Power Alpha 7, Signal 32, Power Beta 6
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	Yes
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
Number of Rows	4
Orientation	Right Angle
PC Tail Length (in)	0.135 In
PC Tail Length (mm)	3.43 mm
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (in)	0.250 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Mating Interface (mm)	6.35 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Through Hole



Series image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Need more information on product environmental compliance?

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

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

Electrical

Current - Maximum	2.5A
Current - Maximum	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**

Product Specification	PS-87631-006
Sales Drawing	SD-87631-014

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