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Part Number: [87615-1001](#)
Status: **Active**
Overview: [EXTreme PowerPlus™ \(SSI\)](#)
Description: 6.35mm Pitch Power, 2.54mm Pitch Signal, EXTreme PowerPlus™ (SSI) MPS Header, Through Hole, Right Angle, 35 Circuits, Short Power Blade Contact, with Beveled Metal Pin, Lead-Free

Documents:

[3D Model](#) [Application Specification AS-87631-018 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87615-005 \(PDF\)](#)

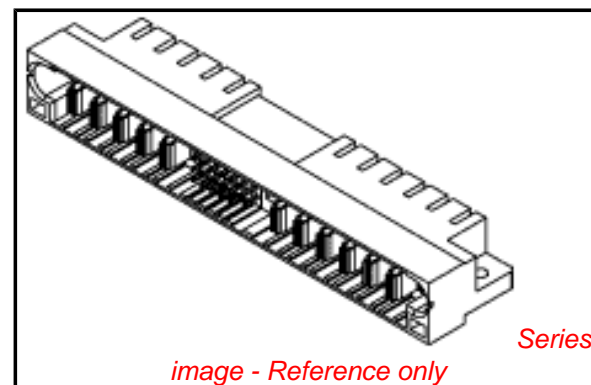


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Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [87615](#)
 Application Board-to-Board, Power
 Comments Short Blade|Recessed Signal Pin : A6
 Overview [EXTreme PowerPlus™ \(SSI\)](#)
 Product Name EXTreme PowerPlus™

Physical

(p)ower-(s)ignal Configuration 5p - 24s - 6p
 Breakaway No
 Circuits (Loaded) 35
 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
 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
 Temperature Range - Operating -20°C to +70°C
 Termination Interface: Style Through Hole

EU RoHS

ELV and RoHS Compliant
REACH SVHC
Contains SVHC: Yes

China RoHS



4,4'-Diaminodiphenylmethane
 Dibutyl phthalate
 Diarsenic pentaoxide
 Diarsenic trioxide
 Bis (2-ethyl(hexyl)phthalate) (DEHP)
 Lead hydrogen arsenate
 Triethyl arsenate
 Benzyl butyl phthalate
Low-Halogen Status
Low-Halogen

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

[87615Series](#)

Mates With

[87616 EXTreme PowerPlus™ \(SSI\) MPS Receptacle, Through Hole](#), [87665 EXTreme PowerPlus™ \(SSI\) MPS Receptacle, Press Fit](#)

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-87615-005
Sales Drawing SD-87615-010

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