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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

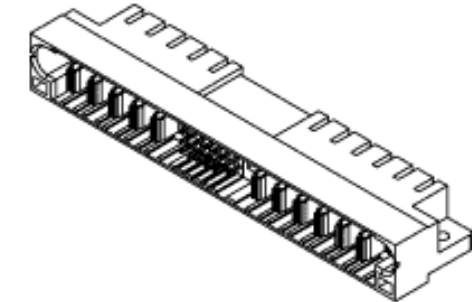


image - Reference only

Series

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	87615
Application	Board-to-Board, Power
Comments	Short BladeRecessed Signal Pin : A6
Overview	EXTreme PowerPlus™ (SSI)
Product Name	EXTreme PowerPlus™
UPC	822348519156

Physical

(p)ower-(s)ignal Configuration	5p - 24s - 6p
Breakaway	No
Circuits (Loaded)	35
Circuits (maximum)	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
Net Weight	37.892/g
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

EU RoHS

ELV and RoHS
Compliant

REACH SVHC

Not Reviewed

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

87615Series

Mates With

87616 EXTreme PowerPlus™ (SSI) MPS
Receptacle, Through Hole, 87665 EXTreme
PowerPlus™ (SSI) MPS Receptacle, Press
Fit

Temperature Range - Operating	-20°C to +70°C
Termination Interface: Style	Through Hole

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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