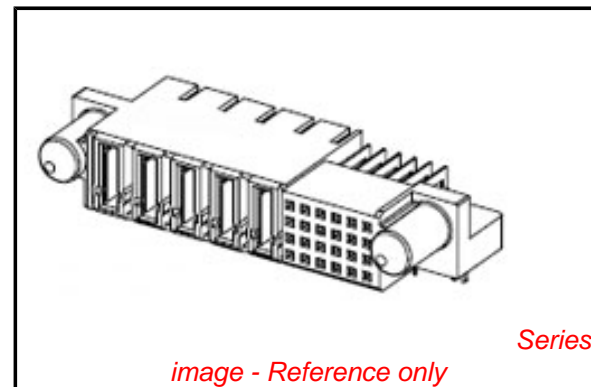


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Part Number: [87668-2004](#)
Status: **Active**
Overview: EXTreme PowerPlus™ (SSI)
Description: 6.35mm Pitch, Power, 2.54mm Pitch, Signal, EXTreme PowerPlus™ S-Pb Receptacle, Through Hole, Right Angle, Beveled Metal Pins, 0.76µm Gold (Au) Plating, 30 Circuits, Signal 24, Power Beta 6, No Void Pin, Lead-Free

Documents:

3D Model	Application Specification AS-87631-018 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-87631-006 (PDF)	Product Literature (PDF)



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	87668
Application	Board-to-Board, Power
Comments	Void Signal Pin: Nil
Overview	EXTreme PowerPlus™ (SSI)
Product Literature Order No	987650-3002
Product Name	EXTreme PowerPlus™
UPC	822348731640

Physical

(p)ower-(s)ignal Configuration	24s - 6p
Circuits (Loaded)	30
Circuits (maximum)	30
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height	12.57mm
Material - Metal	High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	21.878/g
Number of Rows	4
Orientation	Right Angle
PC Tail Length	3.43mm
PCB Locator	Yes
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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +105°C

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

87668Series

Mates With

87667 EXTreme PowerPlus™ Right Angle S-Pb Header

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-87631-006
Sales Drawing SD-87668-014

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