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Part Number: [87663-9001](#)
Status: **Active**
Overview: EXTreme PowerPlus™ (SSI)
Description: 6.35mm Pitch Power (DC), 7.62mm Pitch Power (AC), 2.54mm Pitch Signal, EXTreme PowerPlus™ Board-to-Board Header, Through Hole, Right Angle, 33 Circuits, Power Alpha 3, Signal 24, Power Beta 6, Long Contact, with Bevel

Documents:

3D Model	Application Specification AS-87631-018 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-87663-006 (PDF)	Product Literature (PDF)

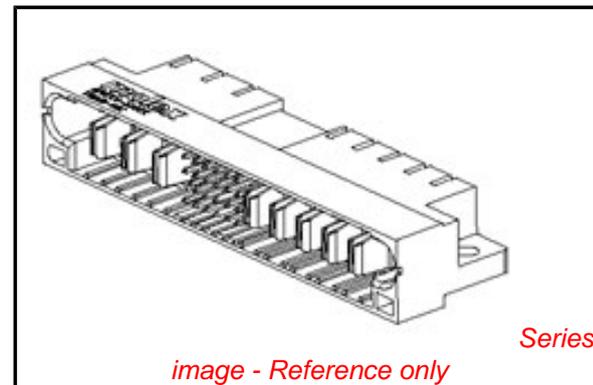


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General

Product Family	PCB Headers
Series	87663
Application	Board-to-Board, Power
Comments	Long Blade Recessed Signal Pin : A1
Overview	EXTreme PowerPlus™ (SSI)
Product Literature Order No	987650-3002
Product Name	EXTreme PowerPlus™
UPC	822348631605

Physical

(p)ower-(s)ignal Configuration	3p - 24s - 6p
Breakaway	No
Circuits (Loaded)	33
Circuits (maximum)	33
Color - Resin	Black
First Mate / Last Break	Yes
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	32.403/g
Number of Rows	4
Orientation	Right Angle
PC Tail Length	3.43mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Pitch - Mating Interface	2.54mm, 6.35mm, 7.62mm
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 +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2.5A, 30A, 50A
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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

87663Series

Mates With

87664 PCB Receptacle with Beveled Metal Pins, 87734 Vertical PCB Receptacle

Voltage - Maximum 250V

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-87663-006
Sales Drawing	SD-87663-010

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