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Part Number: [87894-1000](#)
Status: **Active**
Overview: [EXTreme PowerPlus™ \(SSI\)](#)
Description: 5.08mm Pitch, Power, 2.54mm Pitch, Signal, EXTreme PowerPlus™ S-P(B) Receptacle, Press-fit, Vertical, 34 Circuits, Power Beta 10, Signal 24 Recessed Power Circuits at B1,B2,B3,B9,B10 with Beveled Metal Pins, Lead-Free

Documents:
[3D Model](#) [Application Specification AS-87631-018 \(PDF\)](#)
[Drawing \(PDF\)](#) [Application Specification AS-87633-007 \(PDF\)](#)
[Product Specification PS-87633-006 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

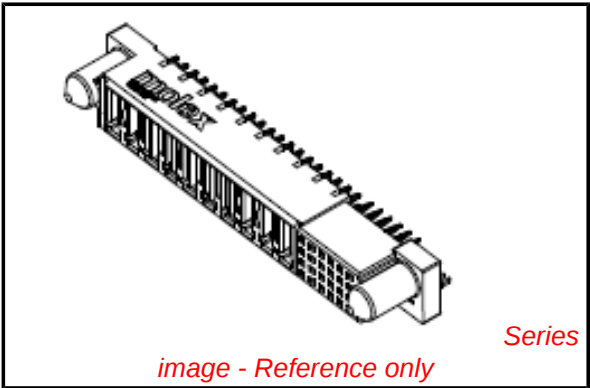
Product Family PCB Receptacles
Series [87894](#)
Application Board-to-Board, Power
Comments Recessed Power Circuits at: B1,B2,B3,B9,B10
Overview [EXTreme PowerPlus™ \(SSI\)](#)
Product Name EXTreme PowerPlus™
UPC 883906694159

Physical

(p)ower-(s)ignal Configuration 10p - 24s
Circuits (Loaded) 34
Circuits (maximum) 34
Color - Resin Black
Durability (mating cycles max) 100
Flammability 94V-0
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 18.269/g
Number of Rows 4
Orientation Vertical
PC Tail Length 3.43mm
PCB Locator No
PCB Retention Yes
Packaging Type Tray
Pitch - Mating Interface 2.54mm, 5.08mm
Plating min - Mating 0.762µm
Plating min - Termination 2.540µm
Polarized to Mating Part Yes
Polarized to PCB Yes
Temperature Range - Operating -20°C to +105°C
Termination Interface: Style Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact 2.5A, 30A, 50A
Voltage - Maximum 250V DC



EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



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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

[87894Series](#)

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Application Specification	AS-87631-018, AS-87633-007
Product Specification	PS-87633-006
Sales Drawing	SD-87894-001

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