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Part Number:

0876682007

Status:

Contact Molex

Overview:

extreme_powerplus_ssi

Description:

6.35mm (.250") Pitch, Power, 2.54mm (.100") Pitch, Signal, EXTreme PowerPlus™ S-Pb Receptacle, Through Hole, Right Angle, Beveled Metal Pins, 0.76µm (30µ") Gold (Au) Plating, 24 Circuits, Signal 20, Power Beta 4, Void Pins A4, B4, C4, D4, Leadfree

Documents:

3D Model

Application Specification AS-87631-018 (PDF)

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Product Specification PS-87631-006 (PDF)

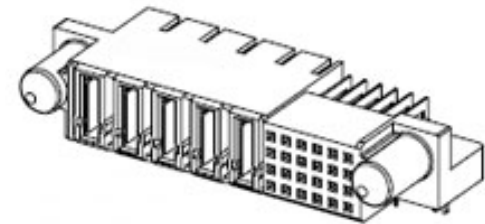


image - Reference only

Series

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Receptacles

Series

87668

Application

Board-to-Board, Power

Comments

Void Signal Pins: A4, B4, C4, D4

Overview

extreme_powerplus_ssi

Product Literature Order No

987650-3002

Product Name

EXTreme PowerPlus™

Physical

(p)ower-(s)ignal Configuration

20s - 4p

Circuits (Loaded)

24

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 (.495")

Material - Metal

High Performance Alloy (HPA), Phosphor Bronze

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 (.135")

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness - Recommended

1.60mm (.063")

Packaging Type

Tray

Pitch - Mating Interface

2.54mm (.100"), 6.35mm (.250")

Plating min - Mating

0.762µm (30µ")

Plating min - Termination

2.540µm (100µ")

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-20°C to +105°C

Termination Interface: Style

Through Hole

Electrical

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

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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