

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0876312020

Status:

Active

Overview:

extreme_powerplus_ssi

Description:

6.35mm (.250") Pitch Power, 3.18mm(.125"), 2.54mm (.100") Pitch Signal, EXTreme PowerPlus™ P-S-P Header, Through Hole, Right Angle, Long Contacts, 20 Circuits, Power Alpha 2, Signal 16, Power Beta 2, No Recessed Signal Pins, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87631-006 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

TUV

R50078473

General

Product Family

PCB Headers

Series

87631

Application

Board-to-Board

Comments

Long ContactsRecessed Signal Pin: Nil

Overview

extreme_powerplus_ssi

Product Name

EXTreme PowerPlus™

Physical

Breakaway

No

Circuits (Loaded)

20

Circuits Detail

Power Alpha 2, Signal 16, Power Beta 2

Color - Resin

Black

Durability (mating cycles max)

100

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

Yes

Keying to Mating Part

Yes

Lock to Mating Part

Yes

Material - Metal

Copper Alloy

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Rows

4

Orientation

Right Angle

PC Tail Length (in)

0.135 In

PC Tail Length (mm)

3.43 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.57 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.100 In, 0.125 In, 0.250 In

Pitch - Mating Interface (mm)

2.54 mm, 3.18 mm, 6.35 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

100

Plating min: Termination (µm)

2.54

Polarized to Mating Part

Yes

Polarized to PCB

Yes

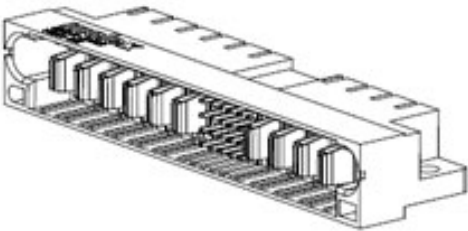


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

87631Series

Mates With

87633 Vertical Press-Fit Receptacle. 87622 Vertical Through Hole Receptacle. 87632 Right Angle Through Hole Receptacle

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
Voltage - Maximum	250V 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

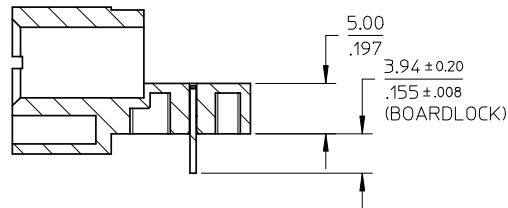
Material Info

Reference - Drawing Numbers

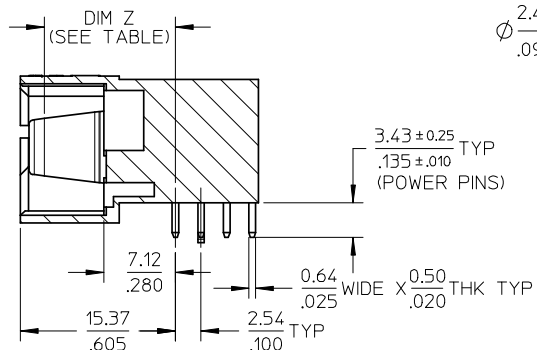
Application Specification	AS-87631-018
Product Specification	PS-87631-006
Sales Drawing	SD-87631-014

This document was generated on 05/25/2010

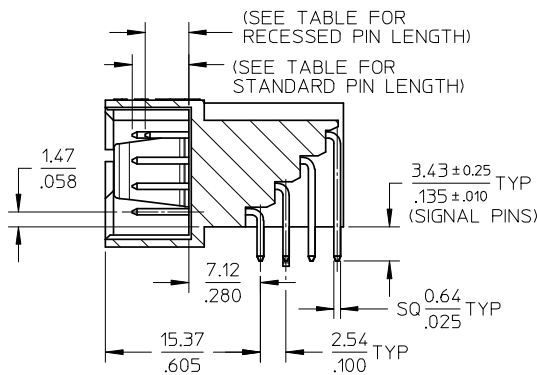
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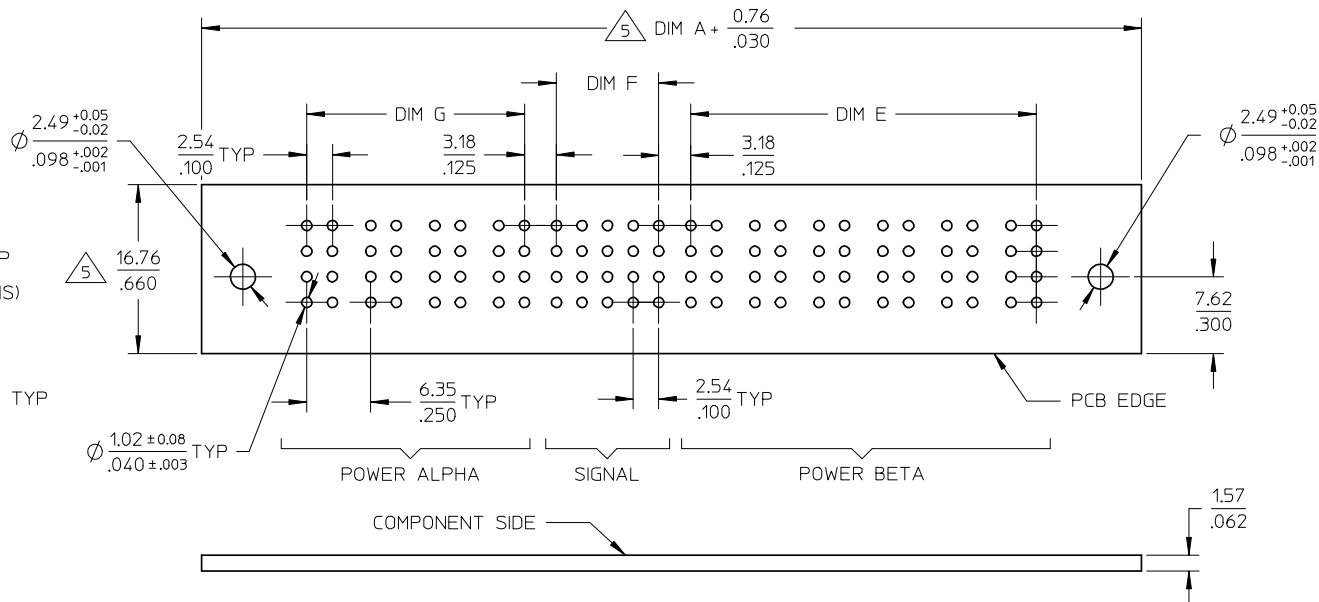
SECTION A-A



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

PDR#S-001800-00-00 EC NO: S2008-1060 DRWN:ATSEE CHKD:SKANG APPR:MLONG 2008/06/13 2008/06/13 2008/06/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY BHLOW	DATE 2002/09/24	TITLE POWER CONNECTOR HEADER P(A)-S-P(B) CONFIG. R/A, T/H, BOARD-LOCK				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± .010	KCLING	2002/09/30	MOLEX INCORPORATED				
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE					
1 PLACE	± ---	± ---	SKTOH	2002/10/03	DOCUMENT NO. SD-87631-014		SHEET NO. 2 OF 3					
ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE								
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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Rev. E 2006/04/15