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Part Number:

0876322001

Status:

Active

Overview:

extreme_powerplus_ssi

Description:

6.35mm (.250") Pitch, Power, 2.54mm (.100") Pitch, Signal, EXTreme PowerPlus™ P-S-P Receptacle, Through Hole, Right Angle, Screw Mount, 28 Circuits, Power Beta 2, Signal 24, Power Alpha 2, Leadfree

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87631-006 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Receptacles

87632

Board-to-Board

No Recessed Power Circuits

extreme_powerplus_ssi

EXTreme PowerPlus™

Physical

Circuits (Loaded)

Circuits Detail

Color - Resin

Durability (mating cycles max)

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Stackable

Temperature Range - Operating

Termination Interface: Style

28

Power Beta 2, Signal 24, Power Alpha 2

Black

100

No

Yes

Yes

Yes

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

4

Right Angle

0.135 In

3.43 mm

No

Yes

Tray

0.100 In, 0.250 In

2.54 mm, 6.35 mm

30

0.76

100

2.54

Yes

Yes

No

-20°C to +105°C

Through Hole

Electrical

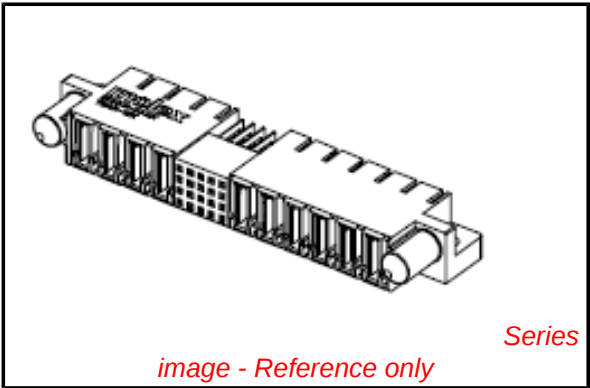
Current - Maximum per Contact

Voltage - Maximum

2.5A, 30A, 50A

50V

Solder Process Data



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

87632Series

Mates With

87631 EXTreme PowerPlus™ P-S-P Header

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

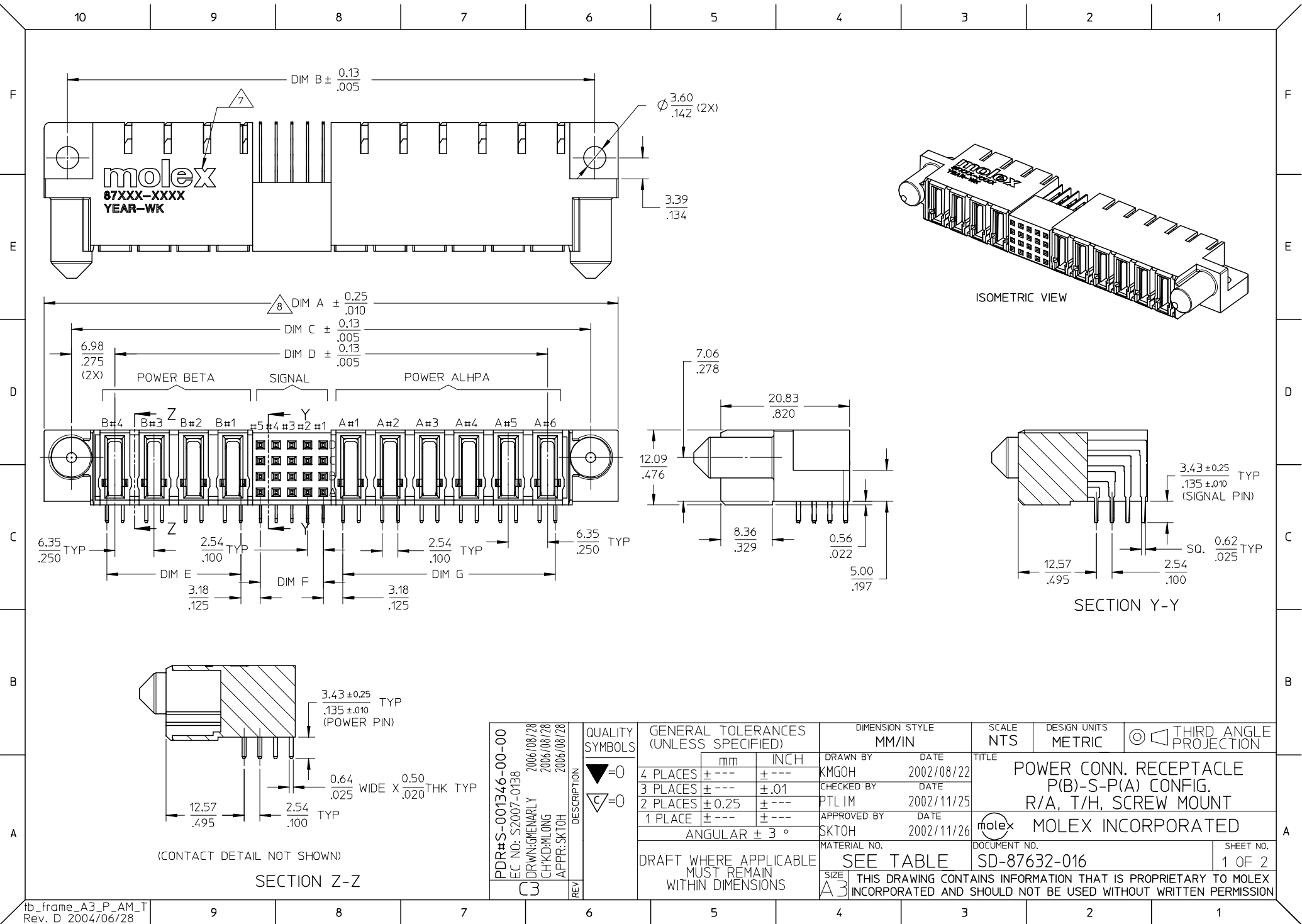
Material Info

Reference - Drawing Numbers

Application Specification	AS-87631-018
Product Specification	PS-87631-006
Sales Drawing	SD-87632-016

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10		9			8		7		6		5		4		3		2		1	
ASSEMBLY PART NUMBER	P-S-P CONFIGURATION			DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	RECESSED POWER CIRCUIT	VOID PIN LOCATION	PACKAGING							
	POWER BETA	SIGNAL	POWER ALPHA																	
F	87632-2001	2	24	2	<u>57.15</u> 2.250	<u>49.53</u> 1.950	<u>48.26</u> 1.900	<u>34.29</u> 1.350	<u>8.89</u> .350	<u>12.70</u> .500	<u>8.89</u> .350	NIL	NIL	TRAY						
	87632-2002	2	12	2	<u>49.53</u> 1.950	<u>41.91</u> 1.650	<u>40.64</u> 1.600	<u>26.67</u> 1.050	<u>8.89</u> .350	<u>5.08</u> .200	<u>8.89</u> .350									
	87632-2003	4	20	4	<u>80.01</u> 3.150	<u>72.39</u> 2.850	<u>71.12</u> 2.800	<u>57.15</u> 2.250	<u>21.59</u> .850	<u>10.16</u> .400	<u>21.59</u> .850									
	87632-2007	4	28	6	<u>97.79</u> 3.850	<u>90.17</u> 3.550	<u>88.90</u> 3.500	<u>74.93</u> 2.950	<u>21.59</u> .850	<u>15.24</u> .600	<u>34.29</u> 1.350	A3,A4,A5,A6 B1,B2,B3,B4	A7,B7,C7,D7							
	87632-2008	4	24	6	<u>95.25</u> 3.750	<u>87.63</u> 3.450	<u>86.36</u> 3.400	<u>72.39</u> 2.850	<u>21.59</u> .850	<u>12.70</u> .500	<u>34.29</u> 1.350	NIL	NIL							
E	87632-2009	4	24	6	<u>95.25</u> 3.750	<u>87.63</u> 3.450	<u>86.36</u> 3.400	<u>72.39</u> 2.850	<u>21.59</u> .850	<u>12.70</u> .500	<u>34.29</u> 1.350	A3,A4,A5,A6								E

NOTES

- ### 1. MATERIALS :-

HOUSING - LCP, GLASS FILLED, UL94V-0,
COLOR : BLACK.

SIGNAL TERMINAL - COPPER ALLOY
POWER TERMINAL - COPPER ALLOY

- ## 2. FINISH :-

SIGNAL & POWER CONTACTS
0.76um MIN. GOLD (Au) AT CONTACT AREA AND 2.54um MIN. TIN
AT SOLDER TAIL AREA OVER 1.27um MIN. NICKEL (Ni) UNDERPLATE.

3. PRODUCT SPECIFICATION : PS-87631-006.

4. COMPONENT STAY AWAY ZONE FROM CONNECTOR.

5. PCB NOTE FOR DIAMETER 1.02/.040 PLATED HOLE

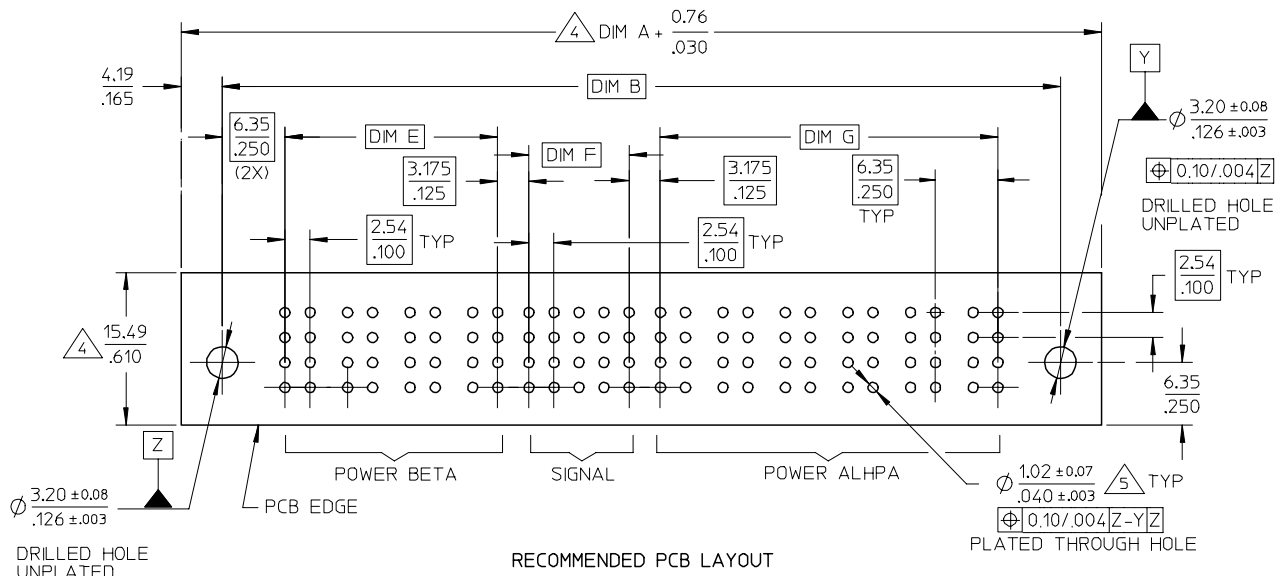
- DRILLED HOLE SIZE IS 1.151/.0453
- PLATE WITH 0.007/.0003 MINIMUM TIN OVER 0.03/.001
TO 0.08/.003 COPPER PLATING TO ACHIEVE 1.02±0.08/.040±.003 HOLE.

6. ALL TERMINAL TIPS ARE DESIGNED WITH EXPOSE BASE COPPER.

THIS IS CREATED BY FINAL CUTTING PROCESS PLATING.

 MANUFACTURER LOGO, PART NUMBER AND YEAR-WEEK CODE.

△ 4 POWER BETA-20 SIGNAL-6 POWER ALPHA IS SHOWN FOR ILLUSTRATION.
POWER-SIGNAL-POWER CONFIGURATION IS AVAILABLE UP TO 203MM/8INCH.
PLEASE CONTACT MOLEX SALES PERSONNEL FOR OTHER CONFIGURATION
AND OPTION NEEDED.



PDR#S-001358-00-00 EC NO: S2007-0138 DRAWING NAME: 2006/08/28 CHK'D: M.LONG APP'R: SKT0H 2006/08/28	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
					MM/IN		NTS	METRIC			
					DRAWN BY DATE		TITLE				
			4 PLACES ± --- ± ---		KMG0H 2002/08/22		POWER CONN. RECEPTACLE				
			3 PLACES ± --- ± .01		CHECKED BY DATE		P(B)-S-P(A) CONFIG.				
			2 PLACES ± 0.25 ± ---		PTL IM 2002/11/25		R/A, T/H, SCREW MOUNT				
			1 PLACE ± --- ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED				
			ANGULAR ± 3 °		SKT0H 2002/11/26		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SD-87632-016		2 OF 2		
					SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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