

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0876323011

Status:

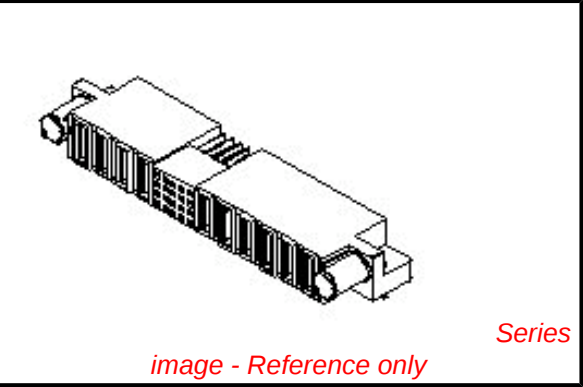
Active

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, with Beveled Metal Pins, 18 Circuits, Power Beta 1, Signal 16, Power Alpha 1, Leadfree



Documents:

3D Model

Drawing (PDF)

Product Specification PS-87631-006 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	87632
Application	Board-to-Board
Comments	No Recessed Power Circuits
Overview	extreme_powerplus_ssi
Product Name	EXTreme PowerPlus™
Physical	
Circuits (Loaded)	18
Circuits Detail	Power Beta 1, Signal 16, Power Alpha 1
Color - Resin	Black
Durability (mating cycles max)	100
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	No
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In, 0.250 In
Pitch - Mating Interface (mm)	2.54 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
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

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Halogen-Free

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

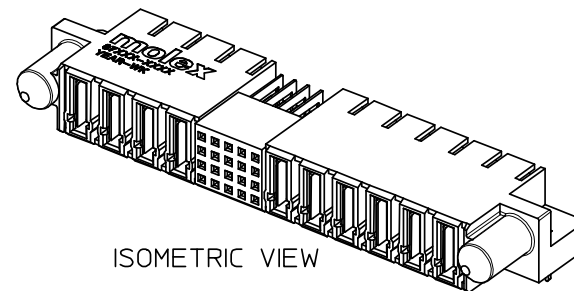
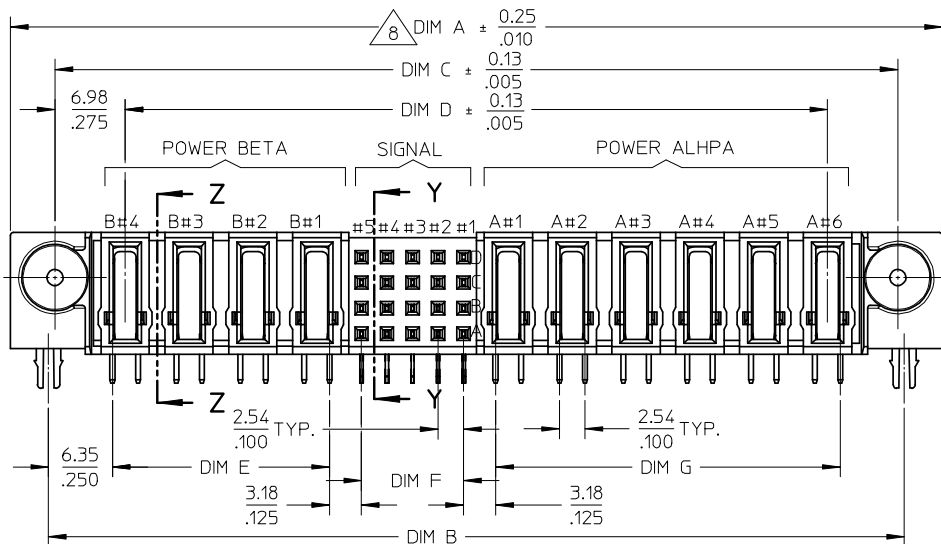
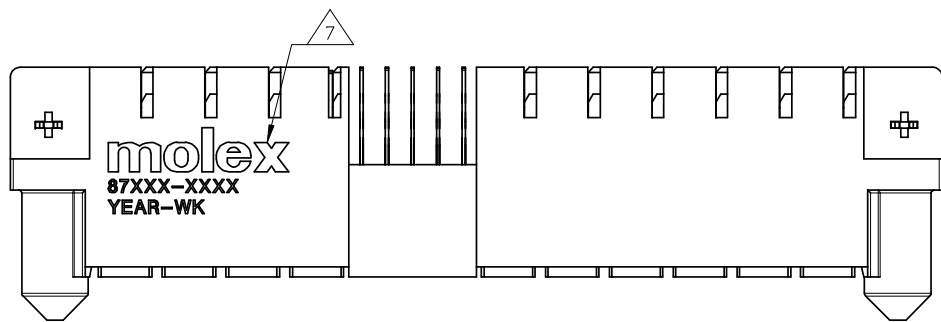
Old Part Number	87632-8011
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Reference - Drawing Numbers

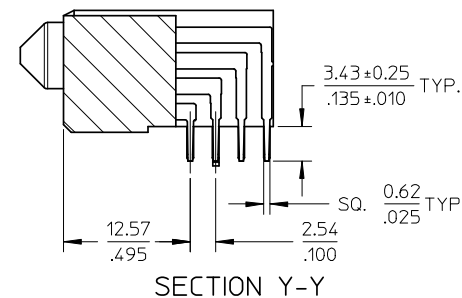
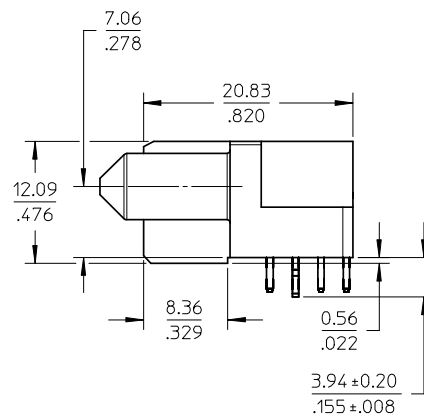
Application Specification	AS-87631-018
Product Specification	PS-87631-006
Sales Drawing	SD-87632-013

This document was generated on 05/21/2010

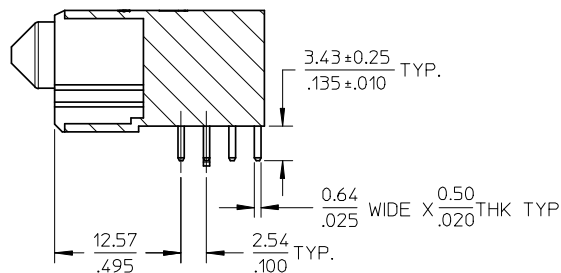
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ISOMETRIC VIEW



SECTION Y-Y



SECTION Z-Z
(CONTACT DETAIL NOT SHOWN)

PDR#S-001735-00-00
EC NO: S2008-0445
DRWN:SKANG
CHKD:ATSEE
APPR:MLONG
REV
D2

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY	DATE
KMG0H	2002/11/19
CHECKED BY	DATE
PTLIM	2002/11/21
APPROVED BY	DATE
SKTOH	2002/11/21

MATERIAL NO.
SEE TABLE

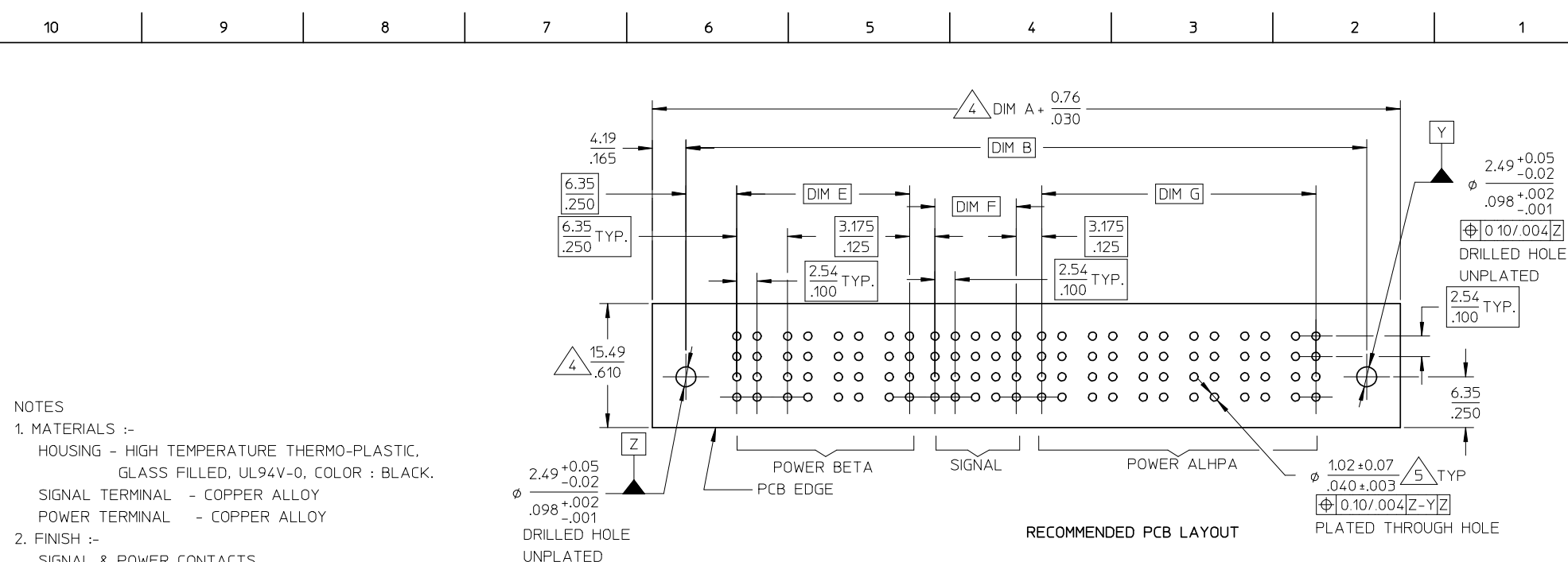
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	THIRD ANGLE PROJECTION

TITLE
POWER CONN. RECEPTACLE
P(B)-S-P(A) CONFIG.
RIGHT ANGLE, THRU HOLE

MOLEX INCORPORATED

DOCUMENT NO. SD-87632-013

SHEET NO. 1 OF 3



- NOTES
1. MATERIALS :-
HOUSING - HIGH TEMPERATURE THERMO-PLASTIC,
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.
BOARD-LOCK - 2.54 MICROMETER MINIMUM TIN (Sn) OVER
1.27 MICROMETER MINIMUM 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.
 7. MANUFACTURER LOGO, PART NUMBER AND YEAR-WEEK CODE.
 8. 4 POWER BETA-20SIGNAL-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-001735-00-00			QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
EC NO: S2008-0445		2007/12/12			2007/12/12		2007/12/13		NTS	METRIC			
DRWN:SKANG		2007/12/12			2007/12/12		2007/12/13		TITLE POWER CONN. RECEPTACLE P(B)-S-P(A) CONFIG. RIGHT ANGLE, THRU HOLE				
CHKD:ATSEE		2007/12/12			2007/12/12		2007/12/13						
APPR:MLONG		2007/12/12			2007/12/12		2007/12/13		MOLEX INCORPORATED				
									SHEET NO. 2 OF 3				
D2		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87632-013					
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

tb_frame_A3_P_AM_T
Rev. E 2006/04/15