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Part Number:

0876639003

Status:

Active

Overview:

extreme_powerplus_ssi

Description:

6.35mm (.250") Pitch Power (DC), 7.62mm (.300") Pitch Power (AC), 2.54mm (.100") Pitch Signal, EXTreme PowerPlus™ Board-to-Board Header, Through Hole, Right Angle, 32 Circuits, Power Alpha 3, Signal 24, Power Beta 5, Long Contact, with Bevel

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87663-006 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	87663
Application	Board-to-Board
Comments	Long Blade Recessed Signal Pins : A3, B6, C3, D5
Overview	extreme_powerplus_ssi
Product Literature Order No	987650-3002
Product Name	EXTreme PowerPlus™

Physical	
Breakaway	No
Circuits (Loaded)	32
Circuits Detail	Power Alpha 3, Signal 24, Power Beta 5
Color - Resin	Black
First Mate / Last Break	Yes
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
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
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.57 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.100 In, 0.250 In, 0.300 In
Pitch - Mating Interface (mm)	2.54 mm, 6.35 mm, 7.62 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
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Through Hole

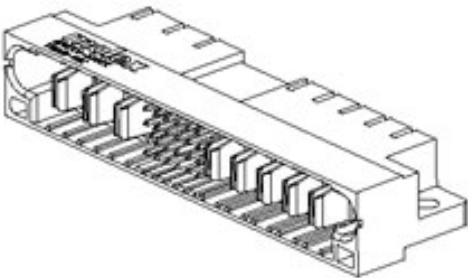


image - Reference only

Series

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

87663Series

Mates With

87664 PCB Receptacle with Beveled Metal Pins. 87734 Vertical PCB Receptacle

Electrical

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

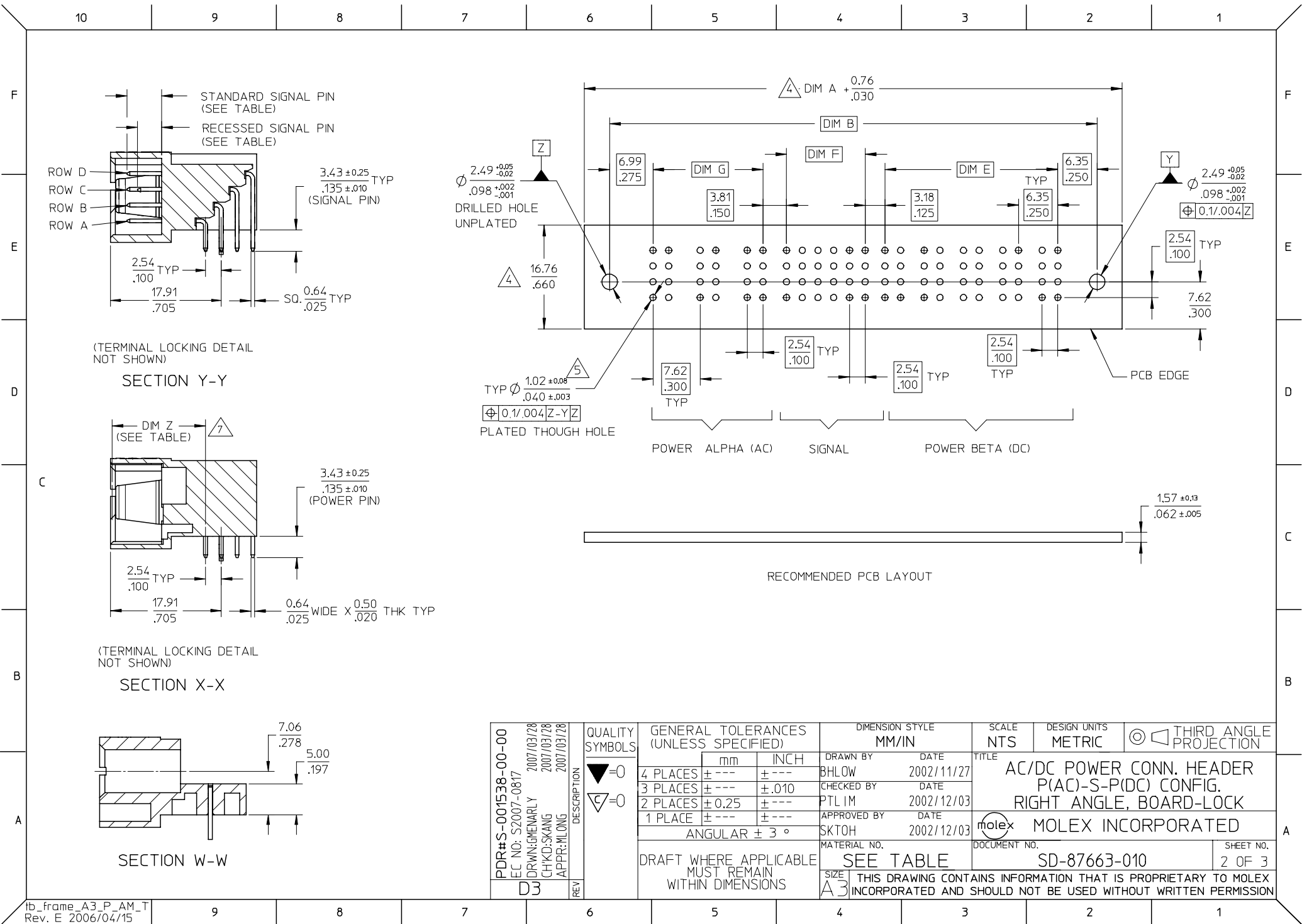
Material Info

Reference - Drawing Numbers

Application Specification	AS-87631-018
Product Specification	PS-87663-006
Sales Drawing	SD-87663-010

This document was generated on 05/25/2010

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PDR# S-001538-00-00		QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: S2007-0817					MM/IN		NTS	METRIC		
2007/03/28										
DRWN: GEMARLY										
CHKD: SKANG										
2007/03/28		DESCRIPTION								
APPR: MLONG										
		REV								
D3			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87663-010		SHEET NO. 2 OF 3	
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	10	9			8			7			6		5		4		3		2		1																																																				
F	PART NUMBER	P-S-P CONFIGURATION			DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	POWER BLADE OPTIONS			STANDARD PIN			RECESSED PIN			VOID PIN LOCATION		PACKAGING	F																																																	
		POWER ALPHA AC	SIGNAL	POWER BETA DC								TYPE	DIM Z ±0.13/.005	LOCATION	ROW	COLUMN	LENGTH	ROW	COLUMN	LENGTH	ROW	COLUMN																																																			
	87663-9000	3	24	5	86.36 3.400	78.74 3.100	77.47 3.050	62.88 2.475	27.94 1.100	12.70 .500	17.78 .700	SHORT CONTACT	13.32/.524	ALL	D C B A	1,2,3,4,6 1,2,4,5,6 1,2,3,4,5 1,2,4,5,6	5.59/.220	D C B A	5 3 6 3	4.32/.170	D C B A	NIL	TRAY																																																		
	87663-9001	3	24	6	92.71 3.650	85.09 3.350	83.82 3.300	69.22 2.725	34.29 1.350	12.70 .500	17.78 .700	LONG CONTACT	14.12/.556	ALL	D C B A	1 - 6 1 - 6 1 - 6 2,3,4,5,6	6.86/.270	D C B A	- - - 1	5.59/.220	D C B A	NIL	TRAY																																																		
	87663-9002	3	24	4	80.01 3.150	72.39 2.850	71.12 2.800	56.52 2.225	21.59 .850	12.70 .500	17.78 .700	LONG CONTACT	14.12/.556	ALL	D C B A	1 - 6 1 - 6 1,2,3,5,6 1 - 6	6.45/.254	D C B A	- - 4 -	5.18/.204	D C B A	NIL	TRAY																																																		
E	87663-9003	3	24	5	86.36 3.400	78.74 3.100	77.47 3.050	62.88 2.475	27.94 1.100	12.70 .500	17.78 .700	LONG CONTACT	14.12/.556	ALL	D C B A	1,2,3,4,6 1,2,4,5,6 1,2,3,4,5 1,2,4,5,6	6.86/.270	D C B A	5 3 6 3	5.59/.220	D C B A	NIL	TRAY	E																																																	
	87663-9004	3	24	2	67.31 2.650	59.69 2.350	58.42 2.300	43.82 1.725	8.890 0.350	12.70 .500	17.78 .700	LONG CONTACT	14.12/.556	ALL	D C B A	1,2,4,5,6 1 - 6 1,2,4,5,6 1 - 6	6.86/.270	D C B A	3 - 3 -	5.59/.220	D C B A	NIL	TRAY																																																		
D	87663-9005	4	16	4	82.55 3.250	74.93 2.950	73.66 2.900	59.06 2.325	21.59 0.850	7.62 .300	25.40 1.000	LONG CONTACT	14.12/.556	ALL	D C B A	ALL	6.86/.270	D C B A	NIL	NIL	D C B A	NIL	TRAY	D																																																	
	87663-9006	3	24	5	86.36 3.400	78.74 3.100	77.47 3.050	62.88 2.475	27.94 1.100	12.70 .500	17.78 .700	LONG CONTACT	14.12/.556	ALL	D C B A	4,5,6 4,5,6 4,5,6 4,5,6	6.86/.270	D C B A	NIL	NIL	D C B A	1,2,3 1,2,3 1,2,3 1,2,3	TRAY																																																		
	87663-9007	4	16	6	95.25 3.750	87.63 3.450	86.36 3.400	71.76 2.825	34.29 1.350	7.62 .300	25.40 1.000	LONG CONTACT	14.12/.556	ALL	D C B A	ALL	6.86/.270	D C B A	NIL	NIL	D C B A	NIL	TRAY																																																		
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