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Part Number:

0876639006

Status:

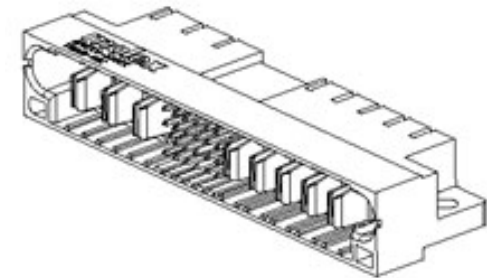
Active

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-BoardHeader, Through Hole, Right Angle, 32 Circuits, Power Alpha 3, Signal 24, Power Beta 5, Long Contact, with Bevel



Series

image - Reference only

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
Overview	extreme_powerplus_ssi
Product Name	EXTreme PowerPlus™
Physical	
Breakaway	No
Circuits (Loaded)	20
Circuits Detail	Power Alpha 3, Signal 24, Power Beta 5
Color - Resin	Black
First Mate / Last Break	No
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
Electrical	
Current - Maximum per Contact	2.5A, 30A, 50A

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

87663Series

Mates With

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

Voltage - Maximum	250V
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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

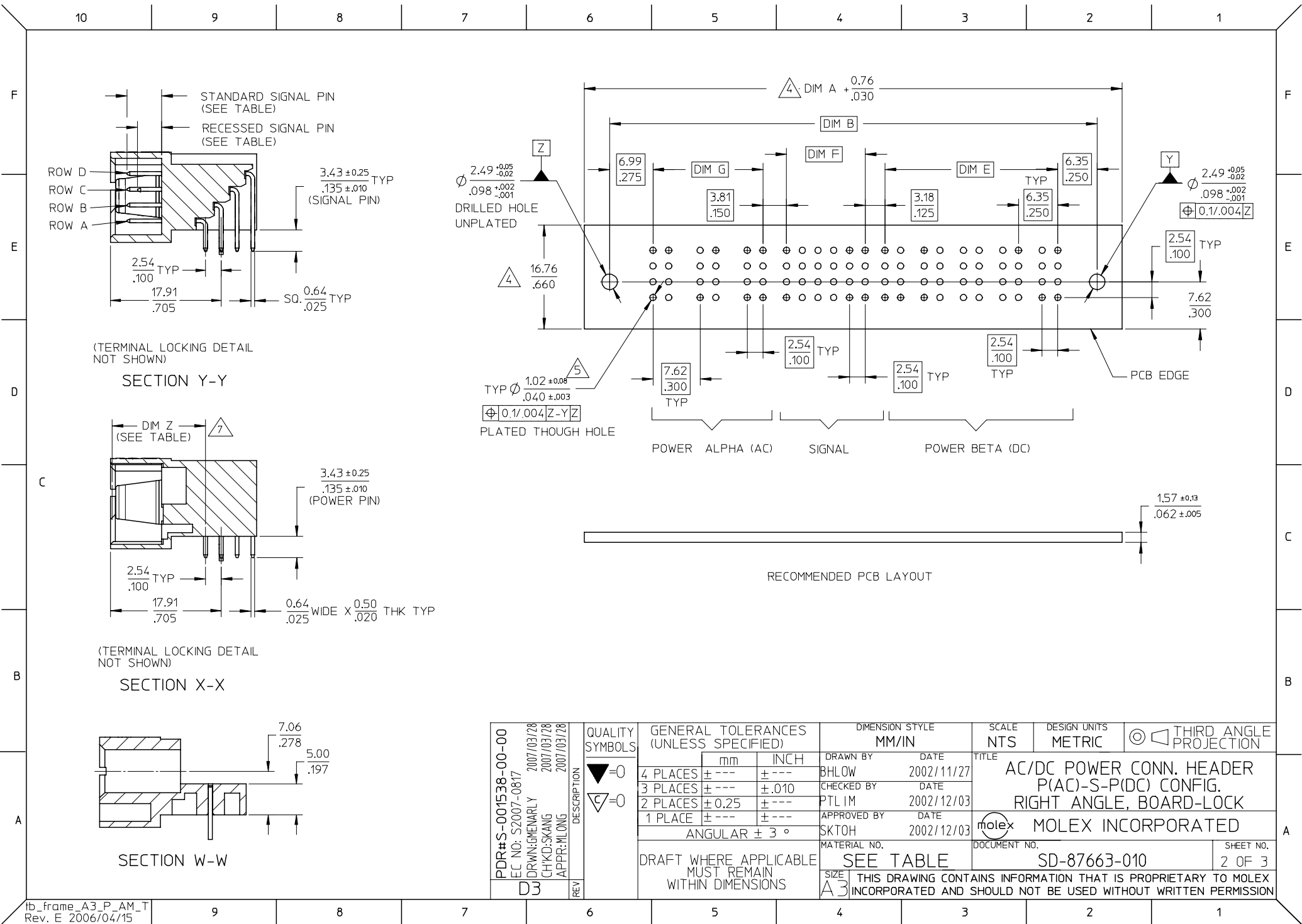
Material Info

Reference - Drawing Numbers

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

This document was generated on 05/25/2010

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PDR# S-001538-00-00 EC NO: S2007-0817 DRWN: GEMARLY CHKD: SKANG APPR: MLONG		2007/03/28 2007/03/28 2007/03/28	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm INCH		DRAWN BY BHLW	DATE 2002/11/27	TITLE AC/DC POWER CONN. HEADER P(AC)-S-P(DC) CONFIG. RIGHT ANGLE, BOARD-LOCK MOLEX INCORPORATED				
					4 PLACES ± --- ± ---		CHECKED BY	DATE					
					3 PLACES ± --- ± .010		PTL IM	2002/12/03					
D3		REV			2 PLACES ± 0.25 ± ---		APPROVED BY		DATE	MOLEX MOLEX INCORPORATED			
					1 PLACE ± --- ± ---		SKTOH	2002/12/03					
					ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SEE TABLE		SD-87663-010		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			
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																	
	POWER ALPHA AC	SIGNAL	POWER BETA DC								TYPE	DIM Z ±0.13/.005		LOCATION	ROW	COLUMN	LENGTH	ROW	COLUMN	LENGTH	ROW		COLUMN																
F	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	F															
	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																
	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															
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																
C																							C																
B																							B																
A																							A																
PDR#S-001538-00-00 EC NO: S2007-0817 2007/03/28 DRWN:GEMARLY 2007/03/28 CHKD:SKANG APPR:MLONG 2007/03/28 D3				QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °				DIMENSION STYLE MM/IN DRAWN BY DATE BHOW 2002/11/27 CHECKED BY DATE PTL IM 2002/12/03 APPROVED BY DATE SKTOH 2002/12/03				SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		AC/DC POWER CONN. HEADER P(AC)-S-P(DC) CONFIG. RIGHT ANGLE, BOARD-LOCK MOLEX INCORPORATED																			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE TABLE				DOCUMENT NO. SD-87663-010		SHEET NO. 3 OF 3																									
ib_frame_A3_P_AM_T Rev. E 2006/04/15				9				8				7				6				5				4				3				2				1			