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Part Number:

0876634001

Status:

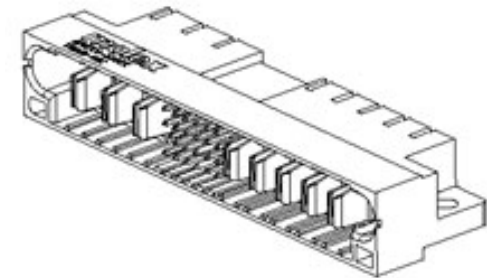
Active

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, Right Angle, 33 Circuits, Power Alpha 3, Signal 24, Power Beta 6, Long Contacts, Recessed Signal Pin A1, Lead-free



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 BladeRecessed Signal Pin : A1
Overview	extreme_powerplus_ssi
Product Literature Order No	987650-3002
Product Name	EXTreme PowerPlus™

Physical

Breakaway	No
Circuits (Loaded)	33
Circuits Detail	Power Alpha 3, Signal 24, Power Beta 6
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

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

Electrical

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

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

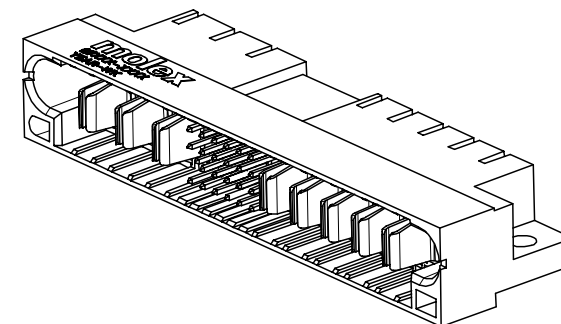
Material Info

Reference - Drawing Numbers

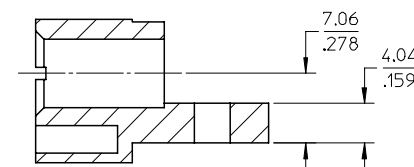
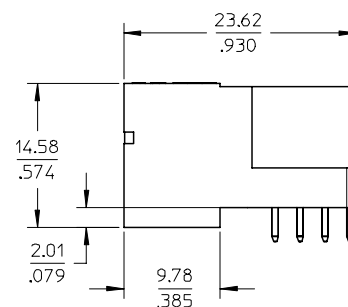
Application Specification	AS-87631-018
Product Specification	PS-87663-006
Sales Drawing	SD-87663-013

This document was generated on 05/25/2010

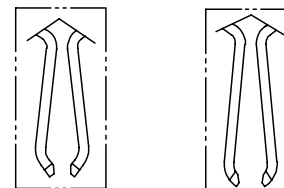
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ISOMETRIC VIEW
3P(AC)-24S-5P(DC) FOR ILLUSTRATION



SECTION Z-Z

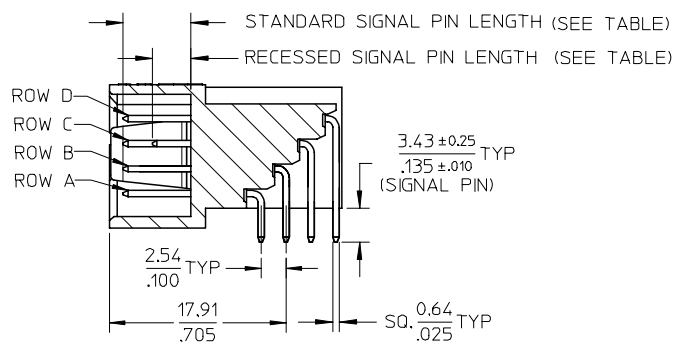


SHORT BLADE OPTION LONG BLADE OPTION

DETAIL R

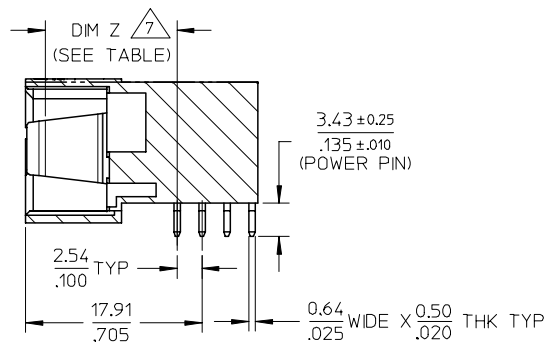
(SEE TABLE FOR BLADE OPTION)

REVISED	EC NO: S2006-1304	2006/07/31	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
	DRWNG:FLIM	2006/08/01				MM/IN		NTS	METRIC		
	CHKD:M-LONG	2006/08/02				DRAWN BY DATE		TITLE			
	APPR:SKTOH					BLOW 2002/11/27					
						CHECKED BY DATE		AC/DC POWER CONN. HEADER P(AC)-S-P(DC) CONFIG. RIGHT ANGLE, SCREW-MOUNT			
						PTL IM 2002/12/03					
						APPROVED BY DATE		 MOLEX INCORPORATED			
						SKTOH 2002/12/03					
						MATERIAL NO.		DOCUMENT NO.			SHEET NO.
						SEE TABLE		SD-87663-013			1 OF 3
D1	REV					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



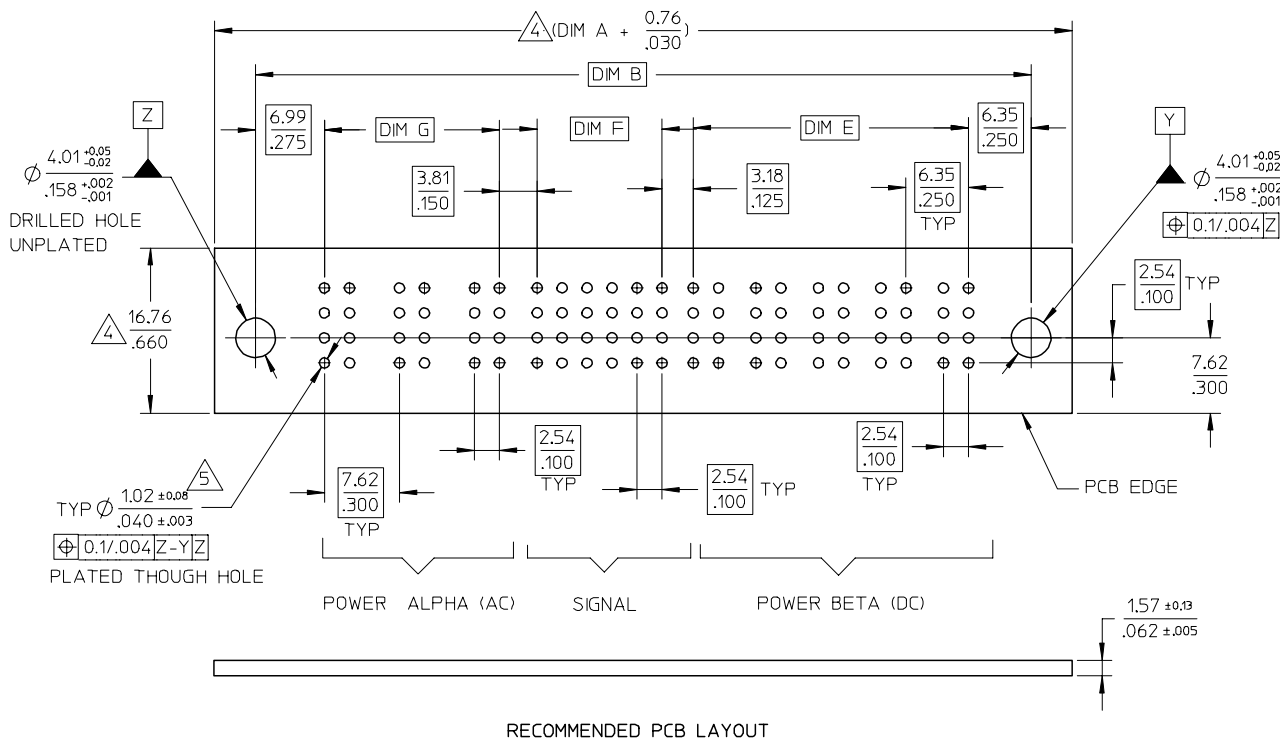
(TERMINAL LOCKING DETAIL NOT SHOWN)

SECTION Y-Y



(TERMINAL LOCKING DETAIL NOT SHOWN)

SECTION X-X



RECOMMENDED PCB LAYOUT

REVISED		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO.	DATE	DESCRIPTION	REV	MM	INCH	MM/IN	DATE	NTS	METRIC	METRIC			
EC NO: S2006-1304	2006/07/31	DRWN:KFLM		4 PLACES	± ---	± ---	BHLOW	2002/11/27					
CHKD:M.LONG	2006/08/01	CHKD:M.LONG		3 PLACES	± ---	± .010	CHECKED BY	DATE					
APPR:SKTOH	2006/08/02	APPR:SKTOH		2 PLACES	± 0.25	± ---	PTL IM	2002/12/03					
				1 PLACE	± ---	± ---	APPROVED BY	DATE					
				ANGULAR ± 3 °			SKTOH	2002/12/03					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.						
							SIZE						
							A3						
							SEE TABLE						
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

