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Part Number: [0876071011](#)
Status: **Active**
Overview: [extreme_powerplus_ssi](#)
Description: 6.35mm (.250") Pitch, Power, 2.54mm (.100") Pitch, Signal, EXTreme PowerPlus™ (SSI) DPS Receptacle, Through Hole, Right Angle, Screw Mount, 26 Circuits, Power Beta 1, Signal 24, Power Alpha 1, Lead-free

Documents:

[3D Model](#) [Product Specification PS-87606-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

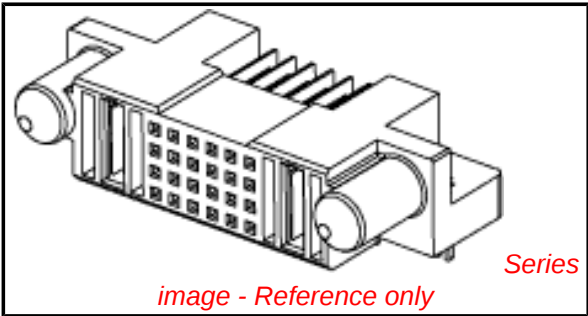
Product Family PCB Receptacles
Series [87607](#)
Application Board-to-Board
Comments Standard Power Blade Position: A1, B1
Overview [extreme_powerplus_ssi](#)
Product Name EXTreme PowerPlus™

Physical

Circuits (Loaded) 26
Circuits Detail Power Beta 1, Signal 24, Power Alpha 1
Color - Resin Black
Durability (mating cycles max) 100
Glow-Wire Compliant No
Guide to Mating Part Yes
Lock to Mating Part None
Material - Metal High Performance Alloy (HPA), Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 4
Orientation Right Angle
PC Tail Length (in) 0.137 In
PC Tail Length (mm) 3.49 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.093 In
PCB Thickness Recommended (mm) 2.40 mm
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) 30.4
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 101.6
Plating min: Termination (µm) 2.54
Polarized to Mating Part Yes
Polarized to PCB Yes
Surface Mount Compatible (SMC) No
Temperature Range - Operating -20°C to +105°C
Termination Interface: Style Through Hole

Electrical

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



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
[87607Series](#)

Mates With
[87606](#) EXTreme PowerPlus™ (SSI) DPS Header

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

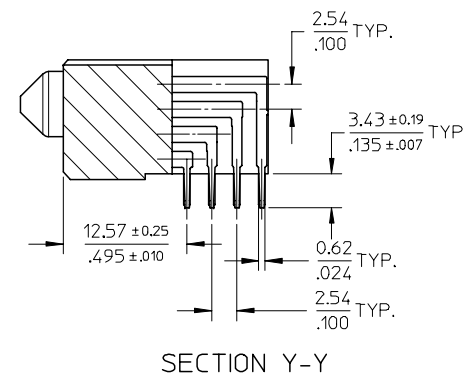
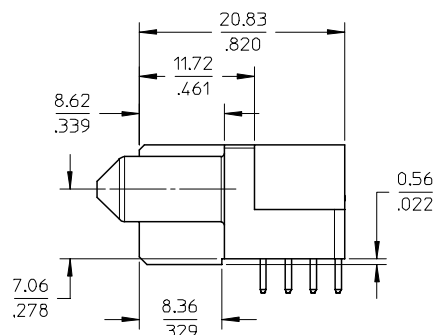
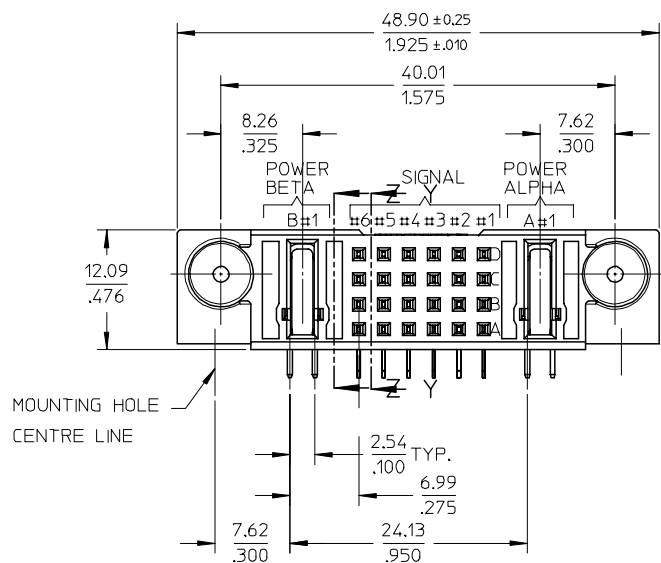
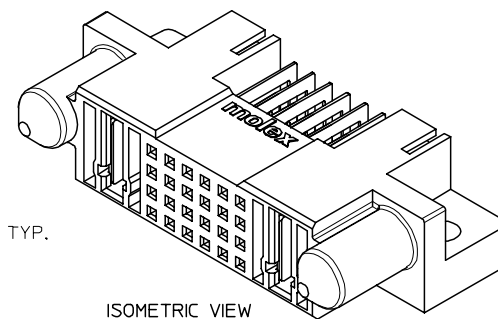
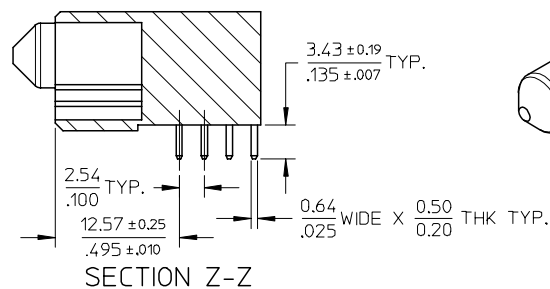
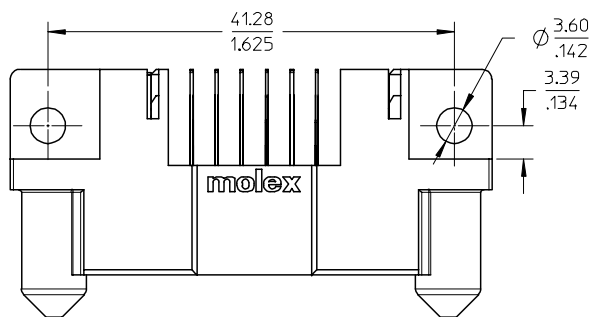
Material Info

Reference - Drawing Numbers

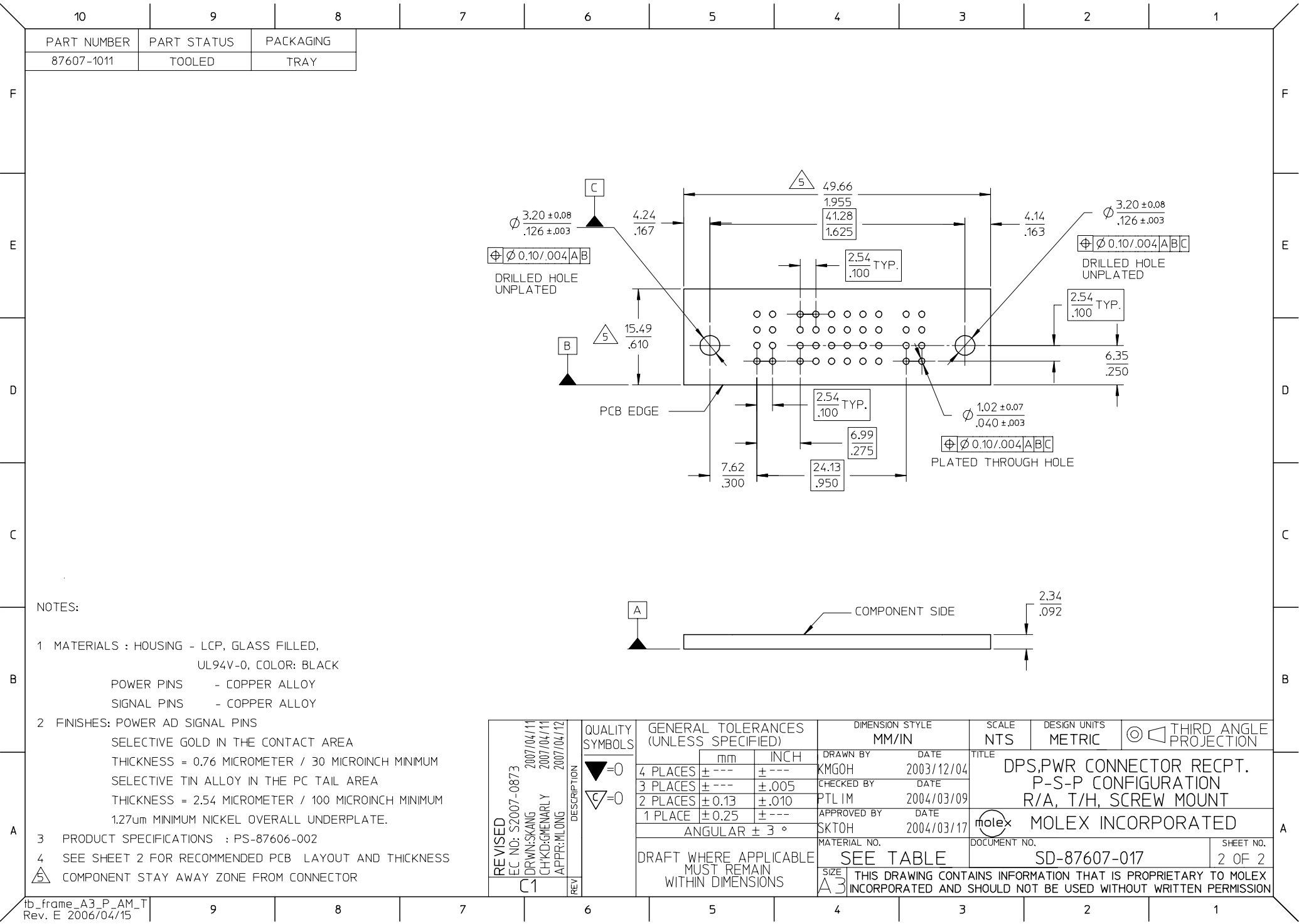
Application Specification	AS-87631-018
Product Specification	PS-87606-002
Sales Drawing	SD-87607-017

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REVISED EC NO: S2007-0873 2007/04/11 DRWN:SKANG CHKD:GNEARLY 2007/04/11 APPR:MLONG 2007/04/12	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY KMG0H	DATE 2003/12/04	TITLE DPS,PWR CONNECTOR RECPT. P-S-P CONFIGURATION R/A, T/H, SCREW MOUNT					
					CHECKED BY PTL IM	DATE 2004/03/09						
					APPROVED BY SKT0H	DATE 2004/03/17						molex MOLEX INCORPORATED
					ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87607-017		1 OF 2	
			C1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



PART NUMBER	PART STATUS	PACKAGING
87607-1011	TOOLED	TRAY

NOTES:

- MATERIALS : HOUSING - LCP, GLASS FILLED,
UL94V-0, COLOR: BLACK
POWER PINS - COPPER ALLOY
SIGNAL PINS - COPPER ALLOY
- FINISHES: POWER AD SIGNAL PINS
SELECTIVE GOLD IN THE CONTACT AREA
THICKNESS = 0.76 MICROMETER / 30 MICROINCH MINIMUM
SELECTIVE TIN ALLOY IN THE PC TAIL AREA
THICKNESS = 2.54 MICROMETER / 100 MICROINCH MINIMUM
1.27um MINIMUM NICKEL OVERALL UNDERPLATE.
- PRODUCT SPECIFICATIONS : PS-87606-002
- SEE SHEET 2 FOR RECOMMENDED PCB LAYOUT AND THICKNESS
- COMPONENT STAY AWAY ZONE FROM CONNECTOR

REVISED EC NO: S2007-0873 DRWN:SKANG CHKD:GENARLY APPR:MLONG C1	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY KMG0H	DATE 2003/12/04	TITLE DPS,PWR CONNECTOR RECPT. P-S-P CONFIGURATION R/A, T/H, SCREW MOUNT				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± .005	PTL IM	2004/03/09					
			2 PLACES	± 0.13	± .010	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
			1 PLACE	± 0.25	± ---	SKT0H	2004/03/17					
			ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-87607-017		2 OF 2					
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							