This document was generated on 05/21/2010

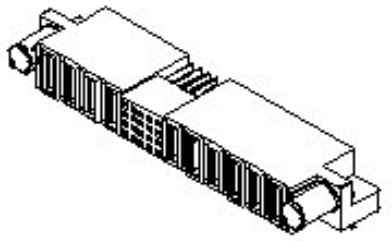
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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



Series image - Reference only

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

Reference - Drawing Numbers

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

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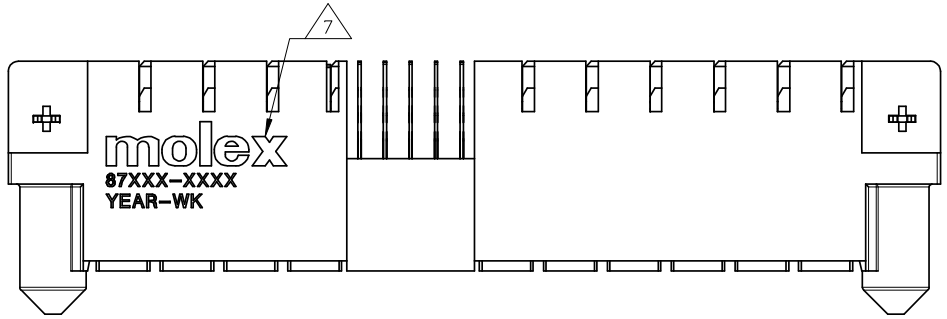
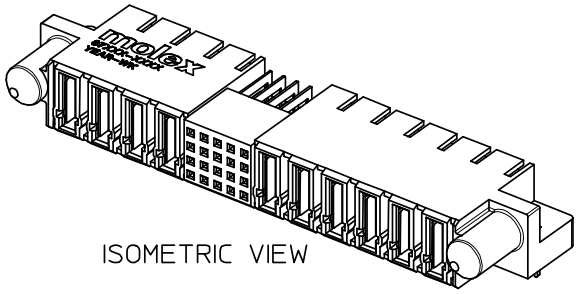
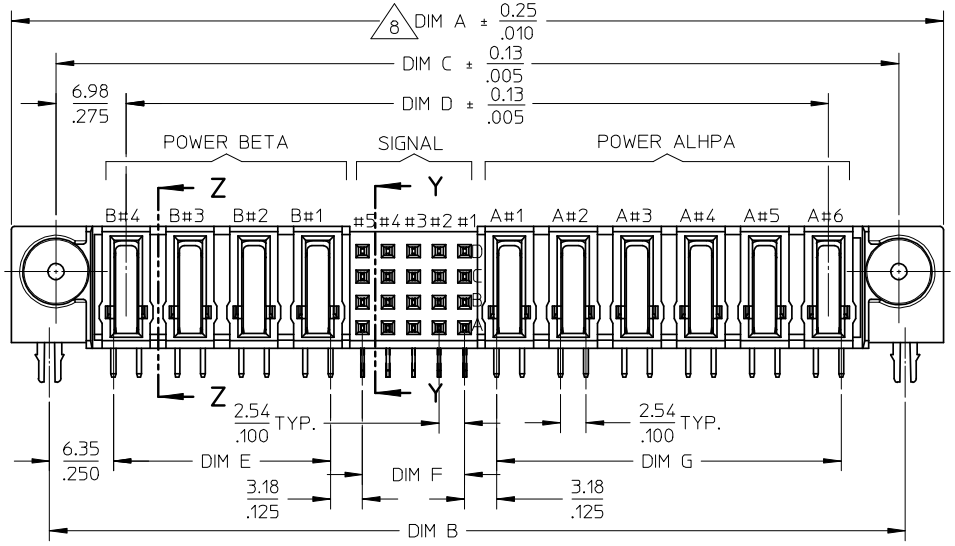
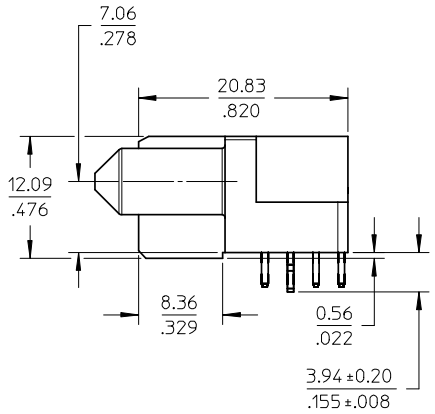
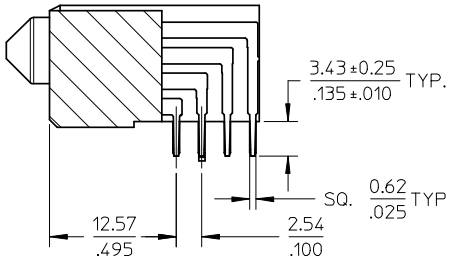




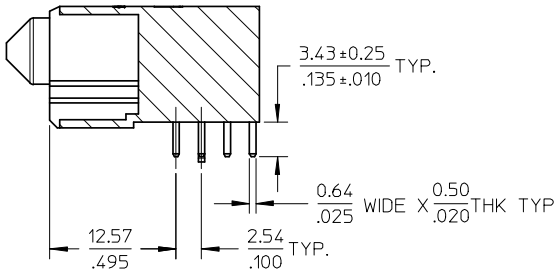
ISOMETRIC VIEW







SECTION Y-Y



SECTION Z-Z
(CONTACT DETAIL NOT SHOWN)

PDR#S-001735-00-00
EC NO: S2008-0445 2007/12/12
DRWN:SKANG 2007/12/12
CH'KD:ATSEE 2007/12/13
APPR:MLONG
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
▽C=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

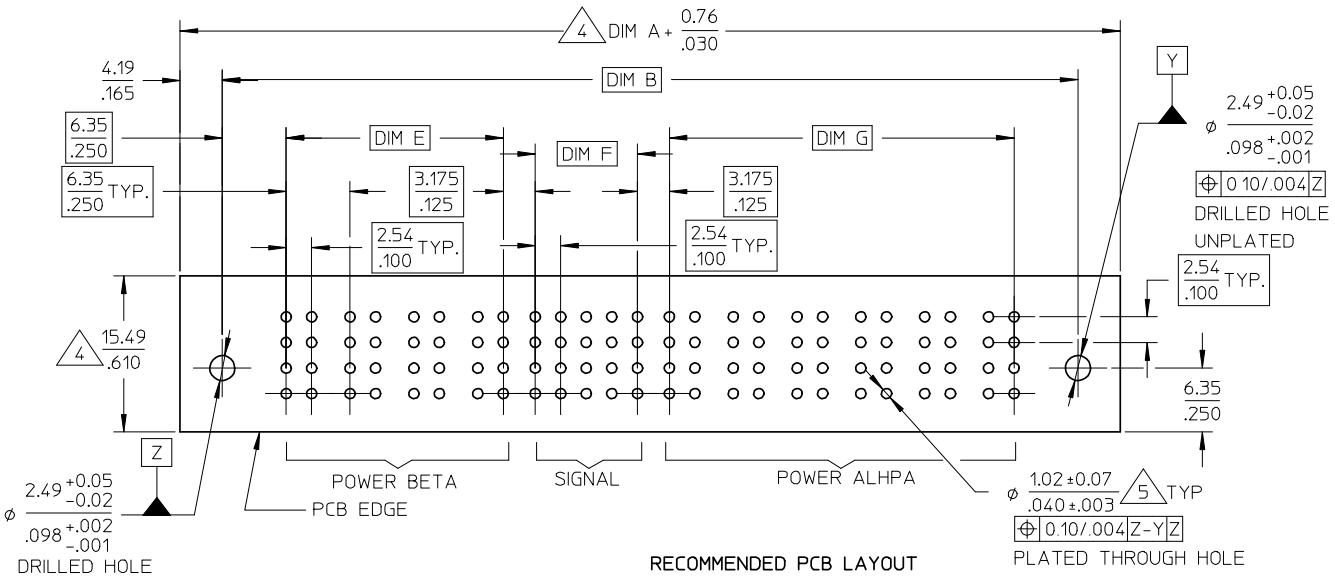
DIMENSION STYLE: MM/IN
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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

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

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87632-013
SHEET NO.: 1 OF 3
SIZE: A3



RECOMMENDED PCB LAYOUT

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 SOLDERTAIL 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	2007/12/12	DESCRIPTION
EC NO: S2008-0445	2007/12/12	
DRWN:SKANG	2007/12/13	
CH'KD:ATSEE		
APPR:MLONG		
D2		REV

QUALITY SYMBOLS
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Ⓒ=0

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ANGULAR ± 3 °		

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DIMENSION STYLE: MM/IN	SCALE: NTS	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: KMGOH	DATE: 2002/11/19	TITLE: POWER CONN. RECEPTACLE P(B)-S-P(A) CONFIG. RIGHT ANGLE, THRU HOLE	
CHECKED BY: PTLIM	DATE: 2002/11/21		
APPROVED BY: SKTOH	DATE: 2002/11/21	MOLEX INCORPORATED	
MATERIAL NO.: SEE TABLE		DOCUMENT NO.: SD-87632-013	SHEET NO.: 2 OF 3

SIZE A3

ASSEMBLY PART NUMBER	P-S-P CONFIGURATION			RECESSERD POWER CIRCUIT #	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	PACKAGING
	POWER BETA	SIGNAL	POWER ALPHA									
87632-3000	5	24	3	NIL	82.54 / 3.250	74.93 / 2.950	73.65 / 2.900	59.69 / 2.350	27.94 / 1.100	12.70 / .500	15.24 / .600	TRAY
87632-3001	4	20	6	NIL	92.71 / 3.650	85.10 / 3.350	83.82 / 3.300	69.86 / 2.750	21.59 / .850	10.16 / .400	34.29 / 1.350	TRAY
87632-3006	2	32	2	NIL	62.23 / 2.450	54.61 / 2.150	53.34 / 2.100	39.37 / 1.550	8.89 / .350	17.78 / .700	8.89 / .350	TRAY
87632-3009	4	24	2	NIL	69.84 / 2.750	62.23 / 2.450	60.95 / 2.400	46.99 / 1.850	21.59 / .850	12.70 / .500	8.89 / .350	TRAY
87632-3011	1	16	1	NIL	39.37 / 1.550	31.75 / 1.250	30.48 / 1.200	16.51 / .650	2.54 / .100	7.62 / .300	2.54 / .100	TRAY
87632-3013	5	32	5	NIL	100.33 / 3.950	92.71 / 3.650	91.44 / 3.600	77.47 / 3.050	27.94 / 1.100	17.78 / .700	27.94 / 1.100	TRAY
87632-3017	4	28	4	NIL	85.09 / 3.350	77.47 / 3.050	76.20 / 3.000	62.23 / 2.450	21.59 / .850	15.24 / .600	21.59 / .850	TRAY
87632-3018	4	40	4	NIL	92.71 / 3.650	85.09 / 3.350	83.82 / 3.300	69.85 / 2.750	21.59 / .850	22.86 / .900	21.59 / .850	TRAY
87632-3019	2	16	2	NIL	52.08 / 2.050	44.46 / 1.750	43.19 / 1.700	29.22 / 1.150	8.89 / .350	7.62 / .300	8.89 / .350	TRAY
87632-3020	2	12	2	NIL	49.53 / 1.950	41.91 / 1.650	40.64 / 1.600	26.67 / 1.050	8.89 / .350	5.08 / .200	8.89 / .350	TRAY
87632-3021	4	24	4	NIL	82.55 / 3.250	74.93 / 2.950	73.66 / 2.900	59.69 / 2.350	21.59 / .850	12.70 / .500	21.59 / .850	TRAY

PDR#S-001735-00-00
EC NO: S2008-0445
DRWN:SKANG 2007/12/12
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molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87632-013
SHEET NO.: 3 OF 3
SIZE: A3

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

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Телефон: +7 495 668-12-70 (многоканальный)

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