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Part Number:

0459844921

Status:

Active

Overview:

extreme_lphpower

Description:

EXTreme LPHPower™ Receptacle Header, Right Angle, 4 Power Contacts, Select Gold (Au) Plating, for 2.36mm (.093") Thick PC Board

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45984-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Receptacles

45984

Board-to-Board

4 Power Blades

extreme_lphpower

EXTreme LPHPower™

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

4

4

4 Power, No Signal

Black

250

94V-0

No

No

Yes

No

High Performance Alloy (HPA)

Gold

Tin

High Temperature Thermoplastic

2

Right Angle

0.142 In

3.60 mm

No

None

0.093 In

2.36 mm

Tray

0.472 In

12.00 mm

0.079 In, 0.098 In

2.00 mm, 2.50 mm

30

0.75

150

3.75

Yes

No

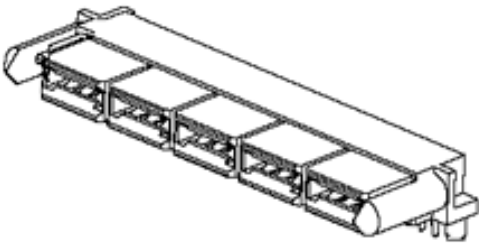


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

45984Series

Mates With

45985 EXTreme LPHPower™ Headers

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	30A
Grounding to PCB	No
Voltage - Maximum	250V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	15
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	230

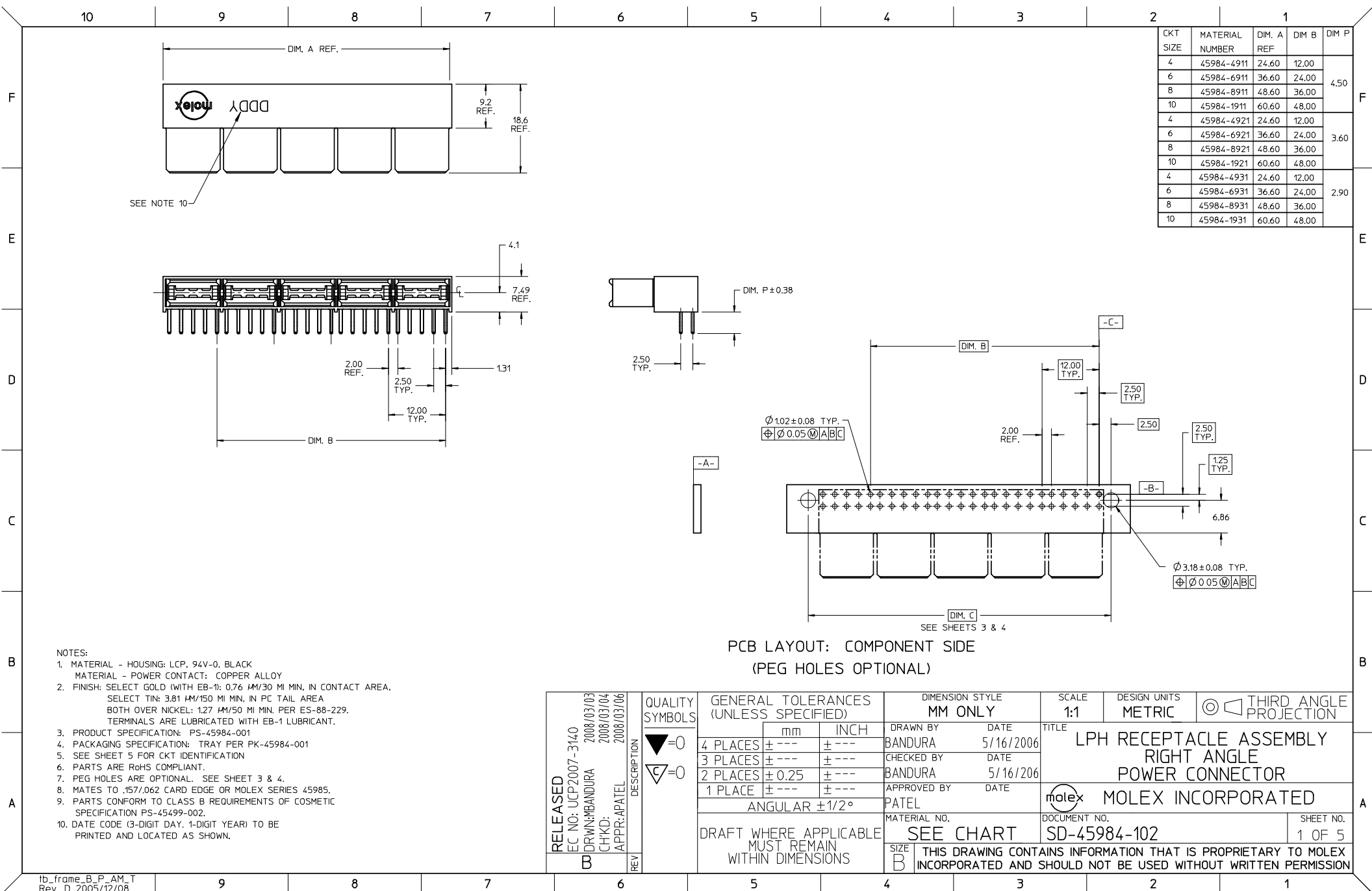
Material Info

Reference - Drawing Numbers

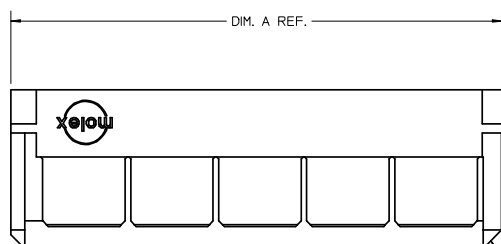
Packaging Specification	PK-45984-001
Product Specification	PS-45984-001
Sales Drawing	SD-45984-102

This document was generated on 05/31/2010

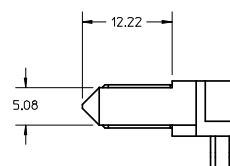
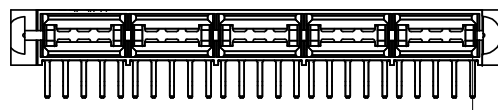
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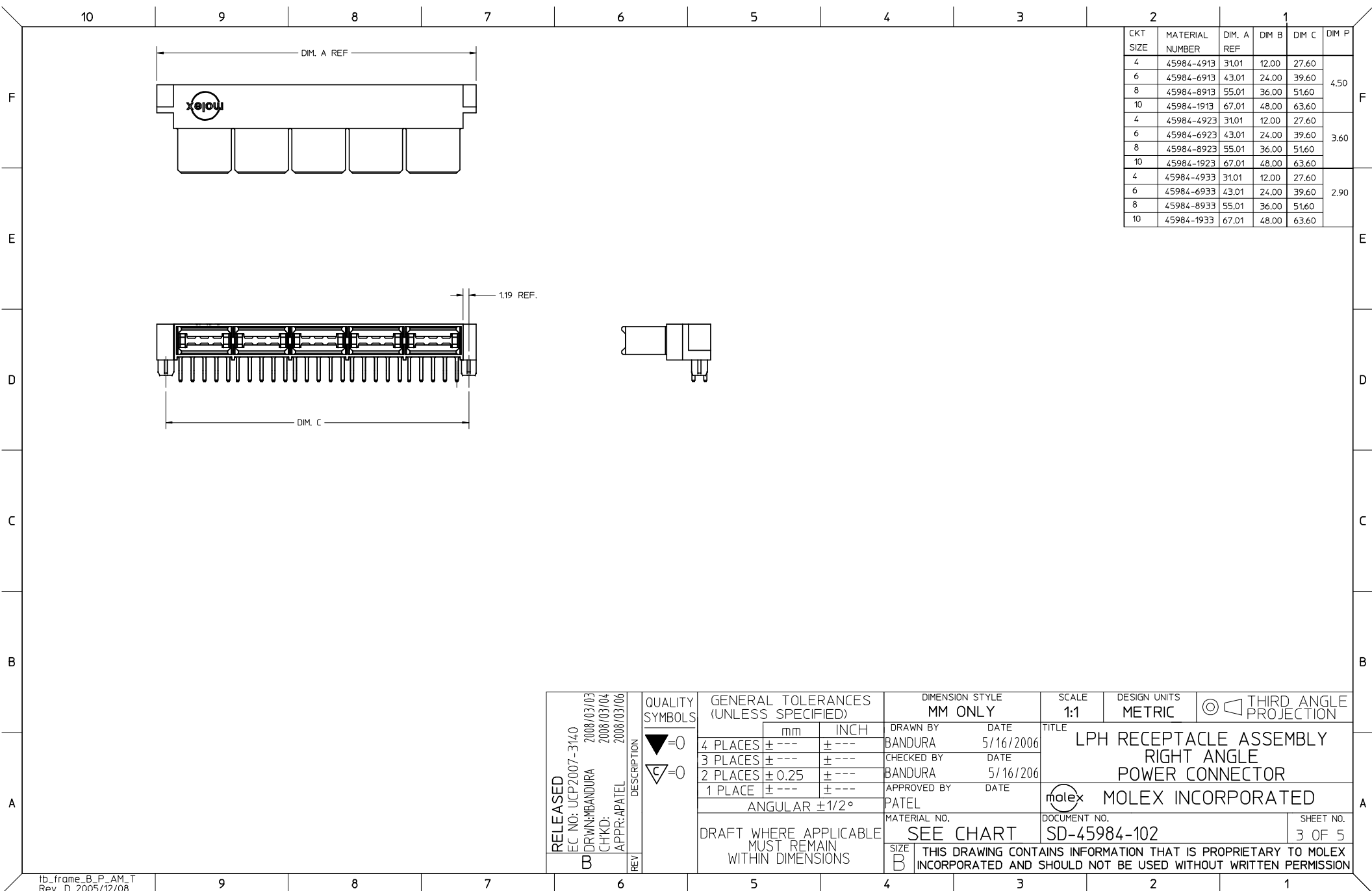
CKT SIZE	MATERIAL NUMBER	DIM. A REF	DIM B	DIM P
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6	45984-6912	43.01	24.00	
8	45984-8912	55.01	36.00	
10	45984-1912	67.01	48.00	
4	45984-4922	31.01	12.00	3.60
6	45984-6922	43.01	24.00	
8	45984-8922	55.01	36.00	
10	45984-1922	67.01	48.00	
4	45984-4932	31.01	12.00	2.90
6	45984-6932	43.01	24.00	
8	45984-8932	55.01	36.00	
10	45984-1932	67.01	48.00	



— OPTIONAL GUIDES

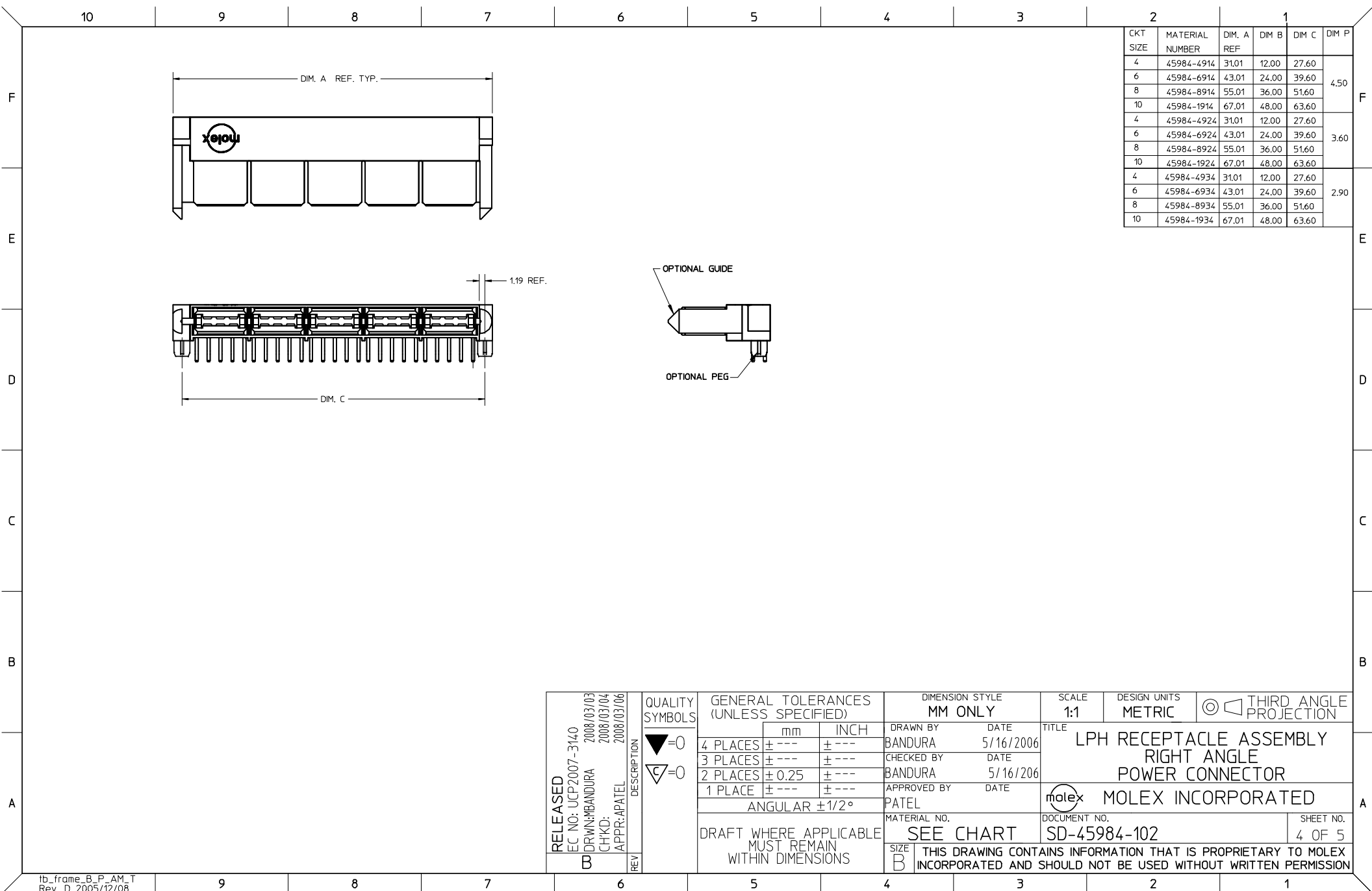


RELEASED EC NO: UCP2007-3140 DRAWN: BANDURA CHKD: 2008/03/04 APPR: APATEL 2008/03/06	DESCRIPTION	QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY BANDURA	DATE 5/16/2006	TITLE LPH RECEPTACLE ASSEMBLY RIGHT ANGLE POWER CONNECTOR					
			4 PLACES	± ---	± ---	CHECKED BY	DATE						
			3 PLACES	± ---	± ---	BANDURA	5/16/2006						
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE	MOLEX INCORPORATED					
			1 PLACE	± ---	± ---	PATEL							
			ANGULAR ±1/2°			MATERIAL NO.	DOCUMENT NO.				SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-45984-102				2 OF 5	
						SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



CKT SIZE	MATERIAL NUMBER	DIM. A REF	DIM B	DIM C	DIM P
4	45984-4913	31.01	12.00	27.60	4.50
6	45984-6913	43.01	24.00	39.60	
8	45984-8913	55.01	36.00	51.60	
10	45984-1913	67.01	48.00	63.60	
4	45984-4923	31.01	12.00	27.60	3.60
6	45984-6923	43.01	24.00	39.60	
8	45984-8923	55.01	36.00	51.60	
10	45984-1923	67.01	48.00	63.60	
4	45984-4933	31.01	12.00	27.60	2.90
6	45984-6933	43.01	24.00	39.60	
8	45984-8933	55.01	36.00	51.60	
10	45984-1933	67.01	48.00	63.60	

RELEASED EC NO: UCP2007-3140 DRAWN: BANDURA CHKD: B APPR: APATEL	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE LPH RECEPTACLE ASSEMBLY RIGHT ANGLE POWER CONNECTOR MOLEX INCORPORATED	
			mm	INCH	DRAWN BY BANDURA	DATE 5/16/2006	MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	CHECKED BY					DATE
			3 PLACES	± ---	± ---	BANDURA					5/16/2006
			2 PLACES	± 0.25	± ---	APPROVED BY					DATE
			1 PLACE	± ---	± ---	PATEL					
ANGULAR ±1/2°				MATERIAL NO. SEE CHART		DOCUMENT NO. SD-45984-102		SHEET NO. 3 OF 5			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



RELEASED

EC NO: UCP2007-3140

DRWN: BANDURA

CHKD: BANDURA

APPR: APATEL

REV

2008/03/03

2008/03/04

2008/03/06

DESCRIPTION

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

BANDURA

CHECKED BY

BANDURA

APPROVED BY

PATEL

MATERIAL NO.

SEE CHART

SIZE

B

DATE

5/16/2006

DATE

5/16/2006

DATE

DOCUMENT NO.

SD-45984-102

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

RIGHT ANGLE

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TITLE

LPH RECEPTACLE ASSEMBLY

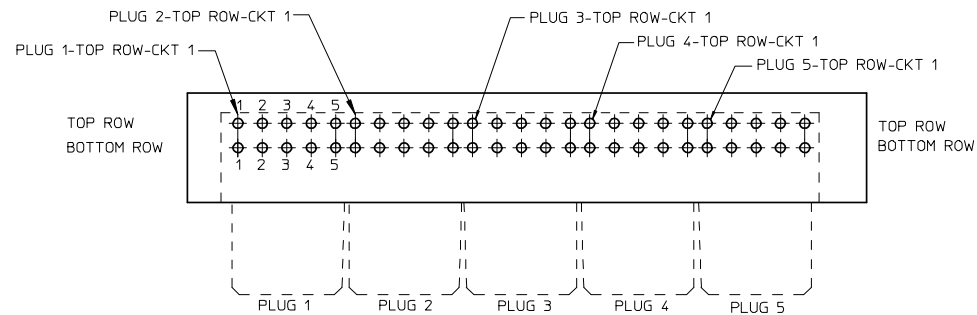
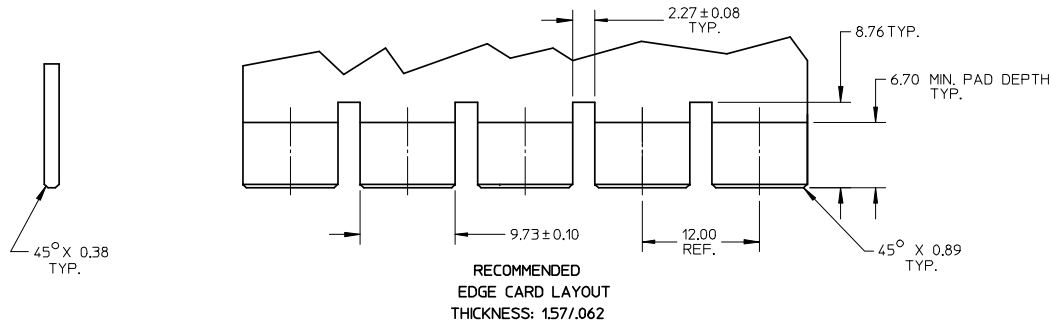
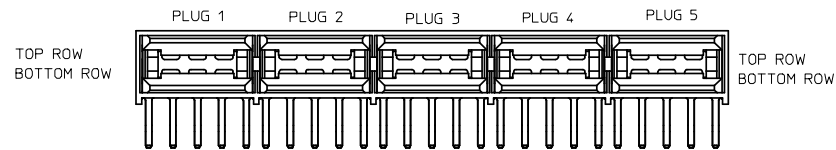
MOLEX INCORPORATED

SD-45984-102

SHEET NO.

4 OF 5

10 9 8 7 6 5 4 3 2 1



PCB LAYOUT: COMPONENT SIDE
SEE SHEET 1 FOR DIMENSIONS

RELEASED EC NO: UCP2007-3140 DRAWN: BANDURA CHKD: CHKD APPR: APATEL REV B	DESCRIPTION 2008/03/03 2008/03/04 2008/03/06	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
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			1 PLACE	± --- ± ---	APPROVED BY	DATE				
			ANGULAR ±1/2°		PATEL		 MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			SHEET NO.
					SEE CHART		SD-45984-102			5 OF 5
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9 8 7 6 5 4 3 2 1