

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0459854123](#)  
**Status:** **Active**  
**Overview:** [extreme\\_lphpower](#)  
**Description:** 1.27mm (.050"), 12.00mm (.472") Pitch, EXTreme LPHPower™ Header, Right Angle, 4 Power Contacts, 16 Signal Contacts, Select Gold (Au) Plating, for 1.57mm (.062") Thick PC Board

**Documents:**  
[3D Model](#) [Product Specification PS-45984-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

|     |          |
|-----|----------|
| CSA | LR19980  |
| TUV | 30683046 |
| UL  | E29179   |

**General**

|                |                                  |
|----------------|----------------------------------|
| Product Family | PCB Headers                      |
| Series         | <a href="#">45985</a>            |
| Application    | Board-to-Board                   |
| Overview       | <a href="#">extreme_lphpower</a> |
| Product Name   | EXTreme LPHPower™                |

**Physical**

|                                |                                     |
|--------------------------------|-------------------------------------|
| Breakaway                      | No                                  |
| Circuits (Loaded)              | 20                                  |
| Circuits (maximum)             | 20                                  |
| Circuits Detail                | 4 Power, 16 Signal                  |
| Color - Resin                  | Black                               |
| Durability (mating cycles max) | 250                                 |
| First Mate / Last Break        | Yes                                 |
| Flammability                   | 94V-0                               |
| Glow-Wire Compliant            | No                                  |
| Guide to Mating Part           | No                                  |
| Keying to Mating Part          | None                                |
| Lock to Mating Part            | No                                  |
| Material - Metal               | Brass, High Performance Alloy (HPA) |
| Material - Plating Mating      | Gold                                |
| Material - Plating Termination | Tin                                 |
| Material - Resin               | High Temperature Thermoplastic      |
| Number of Rows                 | 2                                   |
| Orientation                    | Right Angle                         |
| PC Tail Length (in)            | 0.114 In                            |
| PC Tail Length (mm)            | 2.90 mm                             |
| PCB Locator                    | No                                  |
| PCB Retention                  | None                                |
| PCB Thickness Recommended (in) | 0.062 In                            |
| PCB Thickness Recommended (mm) | 1.57 mm                             |
| Packaging Type                 | Tray                                |
| Pitch - Mating Interface (in)  | 0.050 In, 0.472 In                  |
| Pitch - Mating Interface (mm)  | 1.27 mm, 12.00 mm                   |
| Plating min: Mating (µin)      | 30                                  |
| Plating min: Mating (µm)       | 0.75                                |
| Plating min: Termination (µin) | 150, 50                             |
| Plating min: Termination (µm)  | 1.25, 3.75                          |
| Polarized to Mating Part       | Yes                                 |

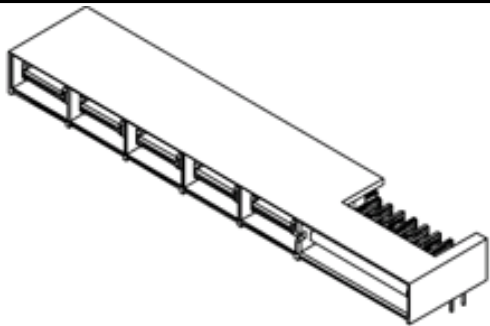


image - Reference only

Series

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Halogen-Free**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**

[45985Series](#)

**Mates With**

[45984](#) EXTreme LPHPower™ PCB Receptacles

|                                |                 |
|--------------------------------|-----------------|
| Polarized to PCB               | Yes             |
| Shrouded                       | Fully           |
| 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              |
| Voltage - Maximum             | 250V AC (RMS)/DC |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 20                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-45984-001 |
| Product Specification   | PS-45984-001 |
| Sales Drawing           | SD-45985-400 |

This document was generated on 05/25/2010

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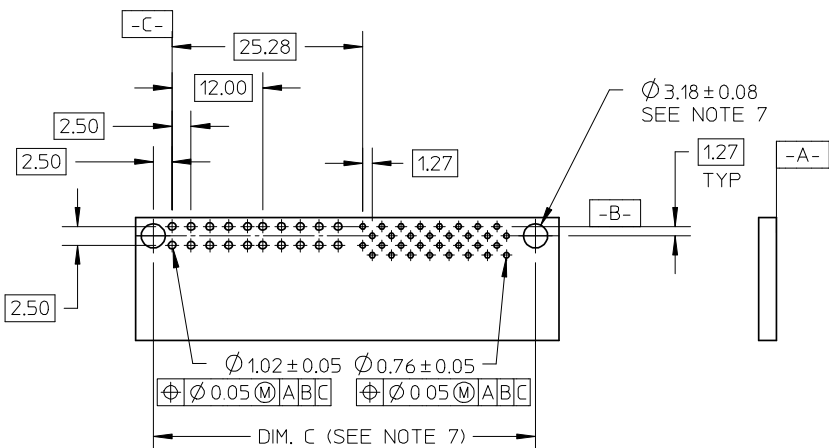
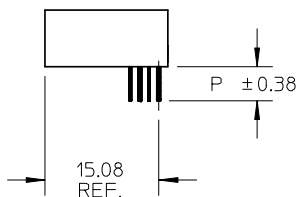
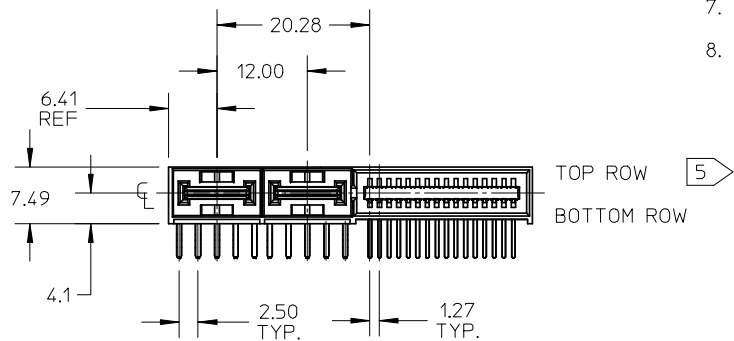
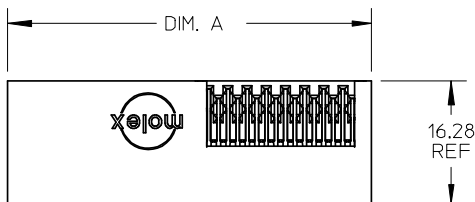
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C

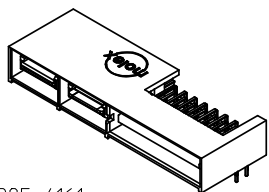
B

A

- NOTES:
1. MATERIAL: LCP, 94V-0, BLACK  
POWER CONTACT: COPPER ALLOY  
SIGNAL CONTACT: PHOSPHOR BRONZE
  2. FINISH: SELECT GOLD 0.76µM/30 MI MIN. IN CONTACT AREA  
SELECT TIN 3.81µM/150 MI MIN. IN PC TAIL AREA  
BOTH OVER NICKEL 1.27µM/50 MI MIN
  3. PRODUCT SPECIFICATION: PS-45984-001
  4. PACKAGING SPECIFICATION: TRAY PER PK-45984-001.
  5. SEE SHEET 5 FOR CIRCUIT IDENTIFICATION.
  6. PARTS ARE RoHS COMPLIANT.
  7. PEG HOLES ARE OPTIONAL PCB FEATURES AND ARE  
REQUIRED ONLY WITH THE PEGGED OPTIONS.
  8. MATES WITH MOLEX RECEPTACLE SERIES 45984-4\*\*\*.



PCB LAYOUT: COMPONENT SIDE  
THKNESS: SEE CHART



45985-4161  
(SHOWN FOR REFERENCE)  
SEE CHART

| NO OF<br>SIGNAL | MATERIAL<br>NUMBER | DIM A<br>REF | DIM P | PCB<br>THK |
|-----------------|--------------------|--------------|-------|------------|
| 12              | 45985-4111         | 36.16        | 4.50  | 3.18       |
| 16              | 45985-4121         | 38.70        |       |            |
| 20              | 45985-4131         | 41.24        |       |            |
| 24              | 45985-4141         | 43.78        |       |            |
| 28              | 45985-4151         | 46.32        |       |            |
| 32              | 45985-4161         | 48.86        |       |            |
| 36              | 45985-4171         | 51.40        | 3.90  | 2.36       |
| 40              | 45985-4181         | 53.94        |       |            |
| 12              | 45985-4112         | 36.16        |       |            |
| 16              | 45985-4122         | 38.70        |       |            |
| 20              | 45985-4132         | 41.24        |       |            |
| 24              | 45985-4142         | 43.78        |       |            |
| 28              | 45985-4152         | 46.32        |       |            |
| 32              | 45985-4162         | 48.86        | 2.90  | 1.57       |
| 36              | 45985-4172         | 51.40        |       |            |
| 40              | 45985-4182         | 53.94        |       |            |
| 12              | 45985-4113         | 36.16        |       |            |
| 16              | 45985-4123         | 38.70        |       |            |
| 20              | 45985-4133         | 41.24        |       |            |
| 24              | 45985-4143         | 43.78        |       |            |
| 28              | 45985-4153         | 46.32        |       |            |
| 32              | 45985-4163         | 48.86        |       |            |
| 36              | 45985-4173         | 51.40        |       |            |
| 40              | 45985-4183         | 53.94        |       |            |

D

C

B

A

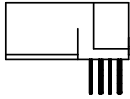
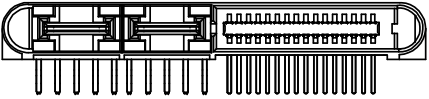
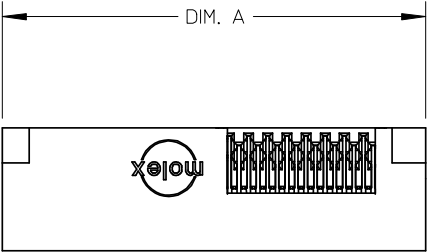
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|-------------------------------------|---------------------------------------|----------------------------------------|--------------------|------------------------------------------------------------|--------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|---------------------------|--|--|------------------------------|
| REVISED<br>EC NO: UCP2007-3140<br>C | DRWN:MBANDURA<br>CHKD:<br>APPR:APATEL | 2008/03/03<br>2008/03/04<br>2008/03/06 | DESCRIPTION<br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>1:1                                                        | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |  |                              |
|                                     |                                       |                                        |                    |                                                            | mm     | INCH  | DRAWN BY<br>JSCHAFFER      | DATE<br>6-10-05                                                                                                                  | TITLE<br>LPH PLUG ASSEMBLY<br>RT ANGLE 4 CIRCUIT<br>POWER CONNECTOR |                        |                           |  |  |                              |
|                                     |                                       |                                        |                    | 4 PLACES                                                   | ± ---  | ± --- | CHECKED BY<br>YMARGULIS    | DATE<br>6-14-05                                                                                                                  |                                                                     |                        |                           |  |  |                              |
|                                     |                                       |                                        |                    | 3 PLACES                                                   | ± ---  | ± --- | APPROVED BY<br>YMARGULIS   | DATE<br>6-15-05                                                                                                                  | MOLEX INCORPORATED                                                  |                        |                           |  |  |                              |
|                                     |                                       |                                        |                    | 2 PLACES                                                   | ± 0.25 | ± --- | MATERIAL NO.<br>SEE CHART  |                                                                                                                                  |                                                                     |                        |                           |  |  | DOCUMENT NO.<br>SD-45985-400 |
|                                     |                                       |                                        |                    | 1 PLACE                                                    | ± ---  | ± --- | SIZE<br>A                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                     |                        |                           |  |  |                              |
|                                     |                                       |                                        |                    | ANGULAR ±1/2°                                              |        |       |                            |                                                                                                                                  |                                                                     |                        |                           |  |  |                              |
|                                     |                                       |                                        |                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       |                            |                                                                                                                                  |                                                                     |                        |                           |  |  |                              |

D

C

B

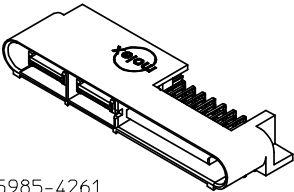
A



GUIDE OPTIONS

| NO OF SIGNAL | MATERIAL NUMBER | DIM A REF | DIM P | PCB THK |
|--------------|-----------------|-----------|-------|---------|
| 12           | 45985-4211      | 43.66     | 4.50  | 3.18    |
| 16           | 45985-4221      | 46.20     |       |         |
| 20           | 45985-4231      | 48.74     |       |         |
| 24           | 45985-4241      | 51.28     |       |         |
| 28           | 45985-4251      | 53.82     |       |         |
| 32           | 45985-4261      | 56.36     |       |         |
| 36           | 45985-4271      | 58.90     | 3.90  | 2.36    |
| 40           | 45985-4281      | 61.44     |       |         |
| 12           | 45985-4212      | 43.66     |       |         |
| 16           | 45985-4222      | 46.20     |       |         |
| 20           | 45985-4232      | 48.74     |       |         |
| 24           | 45985-4242      | 51.28     |       |         |
| 28           | 45985-4252      | 53.82     |       |         |
| 32           | 45985-4262      | 56.36     | 2.90  | 1.57    |
| 36           | 45985-4272      | 58.90     |       |         |
| 40           | 45985-4282      | 61.44     |       |         |
| 12           | 45985-4213      | 43.66     |       |         |
| 16           | 45985-4223      | 46.20     |       |         |
| 20           | 45985-4233      | 48.74     |       |         |
| 24           | 45985-4243      | 51.28     |       |         |
| 28           | 45985-4253      | 53.82     |       |         |
| 32           | 45985-4263      | 56.36     |       |         |
| 36           | 45985-4273      | 58.90     |       |         |
| 40           | 45985-4283      | 61.44     |       |         |

NOTE:  
1. SEE SHEET 1 FOR DIMENSIONS NOT SHOWN.



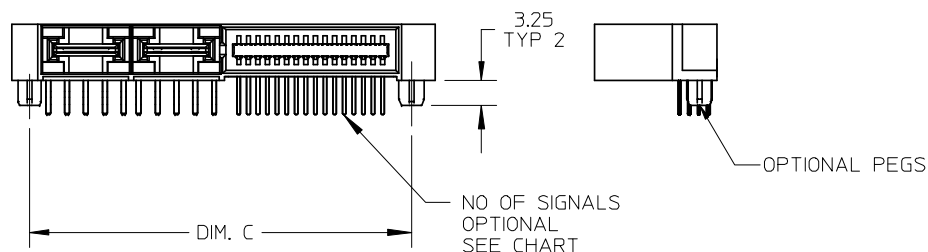
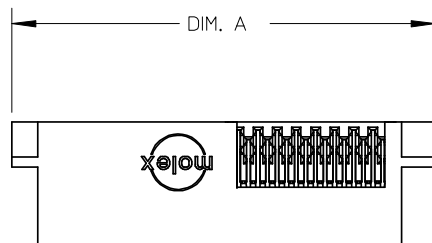
45985-4261  
(SHOWN FOR REFERENCE)  
SEE CHART

|         |                     |               |            |       |            |             |            |             |
|---------|---------------------|---------------|------------|-------|------------|-------------|------------|-------------|
| REVISED | EC NO: UCP2007-3140 | DRWN:MBANDURA | 2008/03/03 | CHKD: | 2008/03/04 | APPR:APATEL | 2008/03/06 | DESCRIPTION |
| C       |                     |               |            |       |            |             |            | REV         |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        |       |
|------------------------------------------------------------|--------|-------|
|                                                            | mm     | INCH  |
| 4 PLACES                                                   | ± ---  | ± --- |
| 3 PLACES                                                   | ± ---  | ± --- |
| 2 PLACES                                                   | ± 0.25 | ± --- |
| 1 PLACE                                                    | ± ---  | ± --- |
| ANGULAR ±1/2°                                              |        |       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       |

| DIMENSION STYLE<br>MM ONLY |         |
|----------------------------|---------|
| DRAWN BY                   | DATE    |
| JSCHAFFER                  | 6-10-05 |
| CHECKED BY                 | DATE    |
| YMARGULIS                  | 6-14-05 |
| APPROVED BY                | DATE    |
| YMARGULIS                  | 6-15-05 |
| MATERIAL NO.               |         |
| SEE CHART                  |         |
| SIZE                       |         |
| A                          |         |

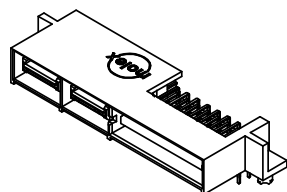
|                                                                                                                                  |                        |                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE<br>1:1                                                                                                                     | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |
| TITLE<br>LPH PLUG ASSEMBLY<br>RT ANGLE 4 CIRCUIT<br>POWER CONNECTOR                                                              |                        |                                                                                                                 |
|  MOLEX INCORPORATED                         |                        |                                                                                                                 |
| DOCUMENT NO.<br>SD-45985-400                                                                                                     |                        | SHEET NO.<br>2 OF 5                                                                                             |
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## MOUNTING PEG OPTIONS

NOTE:

1. SEE SHEET 1 FOR DIMENSIONS NOT SHOWN.



45985-4361  
(SHOWN FOR REFERENCE)  
SEE CHART

| REVISED | EC NO: | UCP2007-3140 | 2008/03/03 | DRWN:MBANDURA | 2008/03/04 | CHKD: | 2008/03/06 | APPR:APATEL | 2008/03/06 | DESCRIPTION | REV |
|---------|--------|--------------|------------|---------------|------------|-------|------------|-------------|------------|-------------|-----|
|         |        |              |            |               |            |       |            |             |            |             |     |

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

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

ANGULAR  $\pm 1/2^\circ$

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

|             |         |
|-------------|---------|
| DRAWN BY    | DATE    |
| JSCHAFFER   | 6-10-05 |
| CHECKED BY  | DATE    |
| YMARGULIS   | 6-14-05 |
| APPROVED BY | DATE    |
| YMARGULIS   | 6-15-05 |

MATERIAL NO.  
SEE CHART

SIZE  
A

SCALE  
1:1

DESIGN UNITS  
METRIC

THIRD ANGLE  
PROJECTION

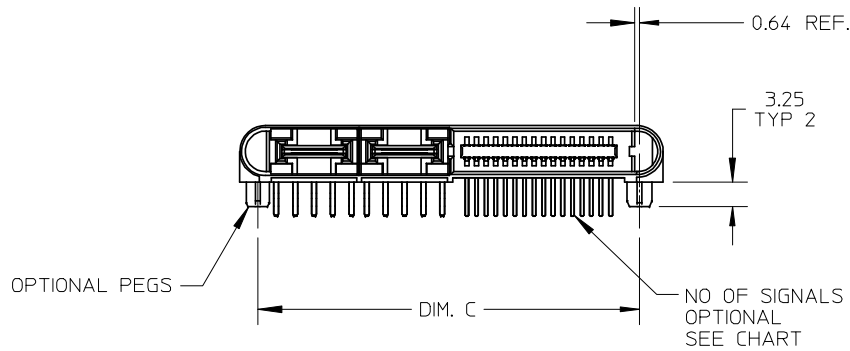
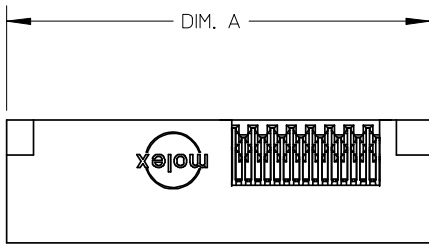
TITLE  
LPH PLUG ASSEMBLY  
RT ANGLE 4 CIRCUIT  
POWER CONNECTOR  
MOLEX INCORPORATED

DOCUMENT NO.  
SD-45985-400

SHEET NO.  
3 OF 5

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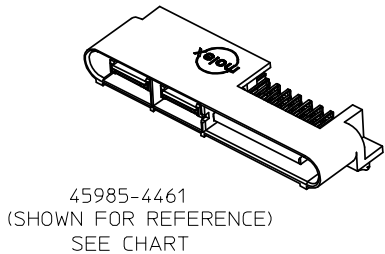
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|-----------------|--------------------|--------------|-------|-------|------------|
| 12              | 45985-4311         | 43.66        | 37.98 | 4.50  | 3.18       |
| 16              | 45985-4321         | 46.20        | 40.52 |       |            |
| 20              | 45985-4331         | 48.74        | 43.06 |       |            |
| 24              | 45985-4341         | 51.28        | 45.60 |       |            |
| 28              | 45985-4351         | 53.82        | 48.14 |       |            |
| 32              | 45985-4361         | 56.36        | 50.68 |       |            |
| 36              | 45985-4371         | 58.90        | 53.22 | 3.90  | 2.36       |
| 40              | 45985-4381         | 61.44        | 55.76 |       |            |
| 12              | 45985-4312         | 43.66        | 37.98 |       |            |
| 16              | 45985-4322         | 46.20        | 40.52 |       |            |
| 20              | 45985-4332         | 48.74        | 43.06 |       |            |
| 24              | 45985-4342         | 51.28        | 45.60 |       |            |
| 28              | 45985-4352         | 53.82        | 48.14 |       |            |
| 32              | 45985-4362         | 56.36        | 50.68 | 2.90  | 1.57       |
| 36              | 45985-4372         | 58.90        | 53.22 |       |            |
| 40              | 45985-4382         | 61.44        | 55.76 |       |            |
| 12              | 45985-4313         | 43.66        | 37.98 |       |            |
| 16              | 45985-4323         | 46.20        | 40.52 |       |            |
| 20              | 45985-4333         | 48.74        | 43.06 |       |            |
| 24              | 45985-4343         | 51.28        | 45.60 |       |            |
| 28              | 45985-4353         | 53.82        | 48.14 |       |            |
| 32              | 45985-4363         | 56.36        | 50.68 |       |            |
| 36              | 45985-4373         | 58.90        | 53.22 |       |            |
| 40              | 45985-4383         | 61.44        | 55.76 |       |            |



### GUIDE & MOUNTING PEG OPTIONS

| NO OF SIGNAL | MATERIAL NUMBER | DIM A REF | DIM C | DIM P | PCB THK |
|--------------|-----------------|-----------|-------|-------|---------|
| 12           | 45985-4411      | 43.66     | 37.98 | 4.50  | 3.18    |
| 16           | 45985-4421      | 46.20     | 40.52 |       |         |
| 20           | 45985-4431      | 48.74     | 43.06 |       |         |
| 24           | 45985-4441      | 51.28     | 45.60 |       |         |
| 28           | 45985-4451      | 53.82     | 48.14 |       |         |
| 32           | 45985-4461      | 56.36     | 50.68 |       |         |
| 36           | 45985-4471      | 58.90     | 53.22 | 3.90  | 2.36    |
| 40           | 45985-4481      | 61.44     | 55.76 |       |         |
| 12           | 45985-4412      | 43.66     | 37.98 |       |         |
| 16           | 45985-4422      | 46.20     | 40.52 |       |         |
| 20           | 45985-4432      | 48.74     | 43.06 |       |         |
| 24           | 45985-4442      | 51.28     | 45.60 |       |         |
| 28           | 45985-4452      | 53.82     | 48.14 |       |         |
| 32           | 45985-4462      | 56.36     | 50.68 | 2.90  | 1.57    |
| 36           | 45985-4472      | 58.90     | 53.22 |       |         |
| 40           | 45985-4482      | 61.44     | 55.76 |       |         |
| 12           | 45985-4413      | 43.66     | 37.98 |       |         |
| 16           | 45985-4423      | 46.20     | 40.52 |       |         |
| 20           | 45985-4433      | 48.74     | 43.06 |       |         |
| 24           | 45985-4443      | 51.28     | 45.60 |       |         |
| 28           | 45985-4453      | 53.82     | 48.14 |       |         |
| 32           | 45985-4463      | 56.36     | 50.68 |       |         |
| 36           | 45985-4473      | 58.90     | 53.22 |       |         |
| 40           | 45985-4483      | 61.44     | 55.76 |       |         |

NOTE:  
1. SEE SHEET 1 FOR DIMENSIONS NOT SHOWN.



45985-4461  
(SHOWN FOR REFERENCE)  
SEE CHART

|                                                                         |                                        |             |                                                            |        |       |                            |                                                                                                                                  |                                                                     |                        |                                                                                                                 |  |                                                                                                          |
|-------------------------------------------------------------------------|----------------------------------------|-------------|------------------------------------------------------------|--------|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|
| REVISED<br>EC NO: UCP2007-3140<br>DRWN:MBANDURA<br>CHKD:<br>APPR:APATEL | 2008/03/03<br>2008/03/04<br>2008/03/06 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                                  | SCALE<br>1:1                                                        | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |  |                                                                                                          |
|                                                                         |                                        |             |                                                            | mm     | INCH  | DRAWN BY<br>JSCHAFFER      | DATE<br>6-10-05                                                                                                                  | TITLE<br>LPH PLUG ASSEMBLY<br>RT ANGLE 4 CIRCUIT<br>POWER CONNECTOR |                        |                                                                                                                 |  |                                                                                                          |
|                                                                         |                                        |             | 4 PLACES                                                   | ± ---  | ± --- | CHECKED BY<br>YMARGULIS    | DATE<br>6-14-05                                                                                                                  |                                                                     |                        |                                                                                                                 |  |                                                                                                          |
|                                                                         |                                        |             | 3 PLACES                                                   | ± ---  | ± --- | APPROVED BY<br>YMARGULIS   | DATE<br>6-15-05                                                                                                                  |                                                                     |                        |                                                                                                                 |  |  MOLEX INCORPORATED |
|                                                                         |                                        |             | 2 PLACES                                                   | ± 0.25 | ± --- |                            |                                                                                                                                  |                                                                     |                        |                                                                                                                 |  |                                                                                                          |
|                                                                         |                                        |             | 1 PLACE                                                    | ± ---  | ± --- |                            |                                                                                                                                  |                                                                     |                        |                                                                                                                 |  |                                                                                                          |
|                                                                         |                                        |             | ANGULAR ±1/2°                                              |        |       |                            |                                                                                                                                  |                                                                     |                        |                                                                                                                 |  |                                                                                                          |
|                                                                         |                                        |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       | MATERIAL NO.<br>SEE CHART  |                                                                                                                                  | DOCUMENT NO.<br>SD-45985-400                                        |                        |                                                                                                                 |  | SHEET NO.<br>4 OF 5                                                                                      |
|                                                                         |                                        |             |                                                            |        |       | SIZE<br>A                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                     |                        |                                                                                                                 |  |                                                                                                          |
|                                                                         |                                        |             |                                                            |        |       |                            |                                                                                                                                  |                                                                     |                        |                                                                                                                 |  |                                                                                                          |
| REV                                                                     |                                        |             |                                                            |        |       |                            |                                                                                                                                  |                                                                     |                        |                                                                                                                 |  |                                                                                                          |

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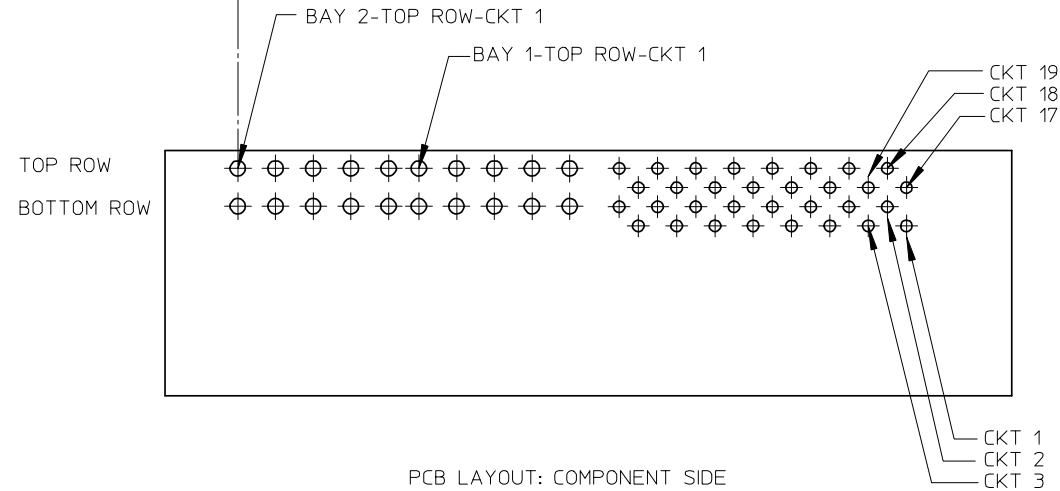
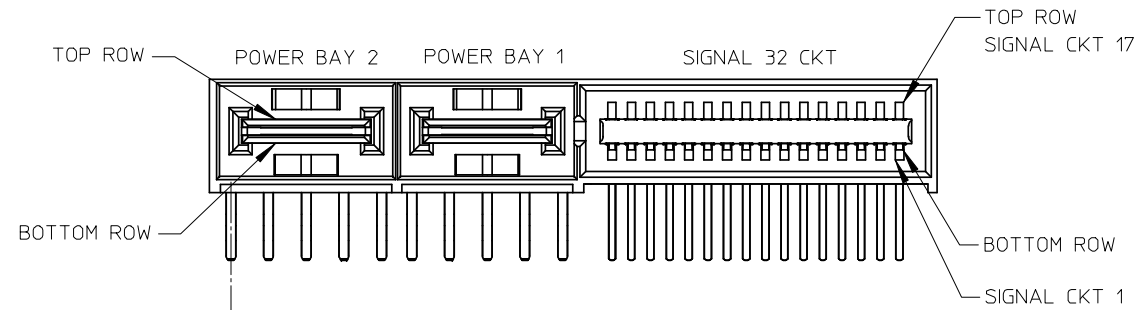
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## CIRCUIT NUMBERING SYSTEM



PCB LAYOUT: COMPONENT SIDE

|                                                                         |                                        |                                                        |                                                            |        |       |                            |                                                                                                                                 |                                                                     |                        |                                                                                                                 |                                                                                                          |  |  |  |
|-------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------|------------------------------------------------------------|--------|-------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--|--|--|
| REVISED<br>EC NO: UCP2007-3140<br>DRWN:MBANDURA<br>CHKD:<br>APPR:APATEL | 2008/03/03<br>2008/03/04<br>2008/03/06 | DESCRIPTION<br><br><br><br><br><br><br><br><br><br>REV | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        |       | DIMENSION STYLE<br>MM ONLY |                                                                                                                                 | SCALE<br>2:1                                                        | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |                                                                                                          |  |  |  |
|                                                                         |                                        |                                                        |                                                            | mm     | INCH  | DRAWN BY<br>JSCHAFFER      | DATE<br>6-10-05                                                                                                                 | TITLE<br>LPH PLUG ASSEMBLY<br>RT ANGLE 4 CIRCUIT<br>POWER CONNECTOR |                        |                                                                                                                 |                                                                                                          |  |  |  |
|                                                                         |                                        |                                                        | 4 PLACES                                                   | ± ---  | ± --- | CHECKED BY<br>YMARGULIS    | DATE<br>6-14-05                                                                                                                 |                                                                     |                        |                                                                                                                 |                                                                                                          |  |  |  |
|                                                                         |                                        |                                                        | 3 PLACES                                                   | ± ---  | ± --- | APPROVED BY<br>YMARGULIS   | DATE<br>6-15-05                                                                                                                 |                                                                     |                        |                                                                                                                 |  MOLEX INCORPORATED |  |  |  |
|                                                                         |                                        |                                                        | 2 PLACES                                                   | ± 0.25 | ± --- |                            |                                                                                                                                 |                                                                     |                        |                                                                                                                 |                                                                                                          |  |  |  |
|                                                                         |                                        |                                                        | 1 PLACE                                                    | ± ---  | ± --- |                            |                                                                                                                                 |                                                                     |                        |                                                                                                                 |                                                                                                          |  |  |  |
|                                                                         |                                        |                                                        | ANGULAR ±1/2°                                              |        |       | MATERIAL NO.<br>SEE CHART  |                                                                                                                                 | DOCUMENT NO.<br>SD-45985-400                                        |                        |                                                                                                                 | SHEET NO.<br>5 OF 5                                                                                      |  |  |  |
|                                                                         |                                        |                                                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       | SIZE<br>A                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOTBE USED WITHOUT WRITTEN PERMISSION |                                                                     |                        |                                                                                                                 |                                                                                                          |  |  |  |
|                                                                         |                                        |                                                        |                                                            |        |       |                            |                                                                                                                                 |                                                                     |                        |                                                                                                                 |                                                                                                          |  |  |  |

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