

6

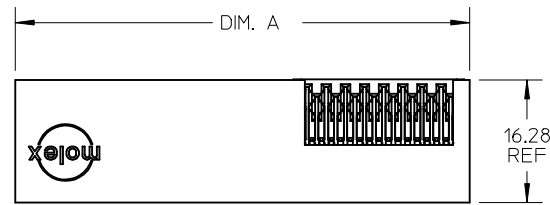
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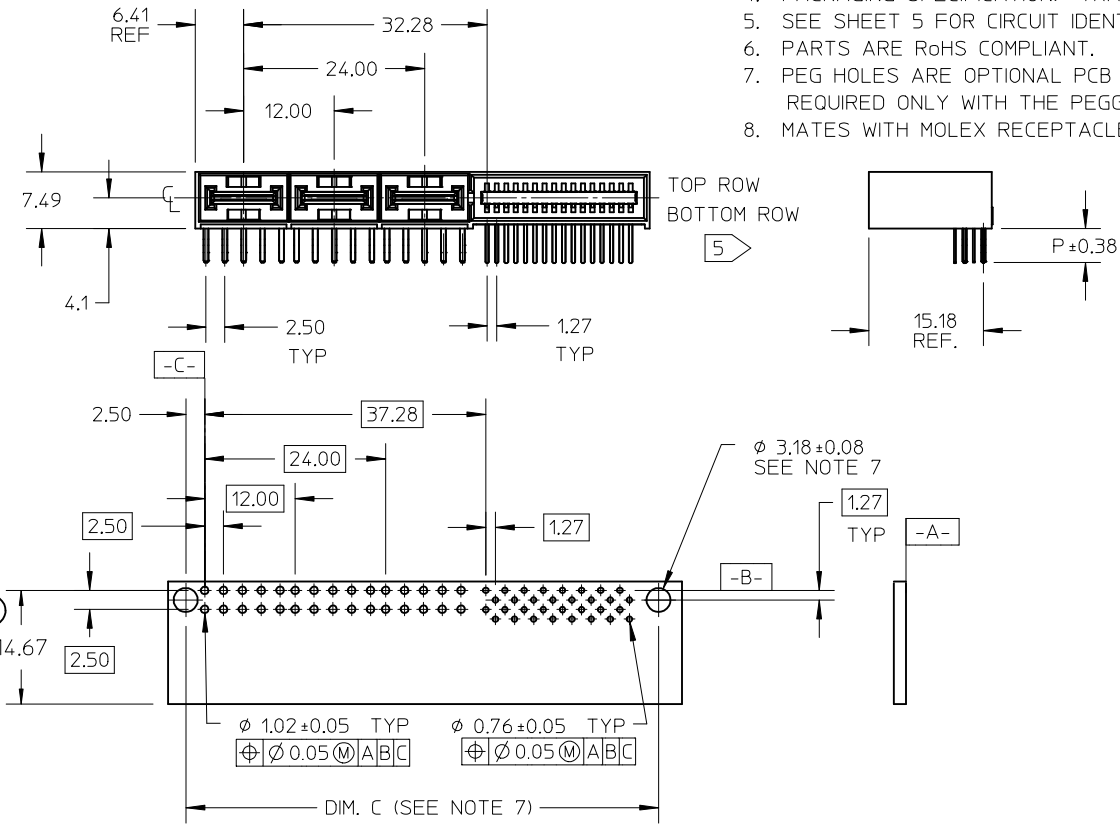
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1

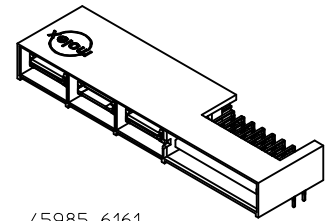


- NOTES:
- MATERIAL:
HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER);
UL94V-0; COLOR: BLACK.
POWER CONTACT: COPPER ALLOY
SIGNAL CONTACT: PHOSPHOR BRONZE
 - FINISH: SELECT GOLD 0.76 MICROMETER/30 MICROINCH MINIMUM;
SELECT TIN 3.81 MICROMETER/100 MICROINCH MINIMUM;
BOTH OVER NICKEL 1.27 MICROMETER/50 MICROINCH MINIMUM.
 - PRODUCT SPECIFICATION: PS-45984-001
 - PACKAGING SPECIFICATION: TRAY PER PK-45984-001
 - SEE SHEET 5 FOR CIRCUIT IDENTIFICATION.
 - PARTS ARE RoHS COMPLIANT.
 - PEG HOLES ARE OPTIONAL PCB FEATURES AND ARE REQUIRED ONLY WITH THE PEGGED HOUSING OPTIONS.
 - MATES WITH MOLEX RECEPTACLE SERIES 45984-6***.

| NO OF SIGNAL | MATERIAL NUMBER | DIM A REF | DIM P | PCB THK |
|--------------|-----------------|-----------|-------|---------|
| 12 | 45985-6111 | 48.16 | 4.50 | 3.18 |
| 16 | 45985-6121 | 50.70 | | |
| 20 | 45985-6131 | 53.24 | | |
| 24 | 45985-6141 | 55.78 | | |
| 28 | 45985-6151 | 58.32 | | |
| 32 | 45985-6161 | 60.86 | | |
| 36 | 45985-6171 | 63.40 | 3.90 | 2.36 |
| 40 | 45985-6181 | 65.94 | | |
| 12 | 45985-6112 | 48.16 | | |
| 16 | 45985-6122 | 50.70 | | |
| 20 | 45985-6132 | 53.24 | | |
| 24 | 45985-6142 | 55.78 | | |
| 28 | 45985-6152 | 58.32 | 2.90 | 1.57 |
| 32 | 45985-6162 | 60.86 | | |
| 36 | 45985-6172 | 63.40 | | |
| 40 | 45985-6182 | 65.94 | | |
| 12 | 45985-6113 | 48.16 | | |
| 16 | 45985-6123 | 50.70 | | |
| 20 | 45985-6133 | 53.24 | 2.90 | 1.57 |
| 24 | 45985-6143 | 55.78 | | |
| 28 | 45985-6153 | 58.32 | | |
| 32 | 45985-6163 | 60.86 | | |
| 36 | 45985-6173 | 63.40 | 2.90 | 1.57 |
| 40 | 45985-6183 | 65.94 | | |



PCB LAYOUT: COMPONENT SIDE
THKNESS: SEE CHART



45985-6161
(SHOWN FOR REFERENCE)
SEE CHART

| | |
|---------------------|-------------|
| ADD DIMENSION | DESCRIPTION |
| EC NO: UCP2015-3913 | 2015/03/24 |
| DRWN: JUILLES | 2015/03/24 |
| CHKD: MBANDURA | 2015/03/24 |
| APPR: APATEL | 2015/04/09 |
| D1 | REV |

| 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/IN | |
| DRAWN BY | DATE |
| JSCHAFFER | 6-9-05 |
| 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 6 CIRCUIT POWER CONNECTOR | | | | |
| MOLEX INCORPORATED | | | | |
| DOCUMENT NO. | | | | SHEET NO. |
| SD-45985-600 | | | | 1 OF 5 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | |

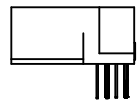
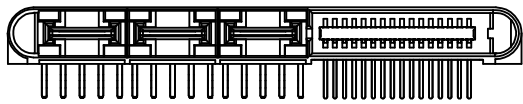
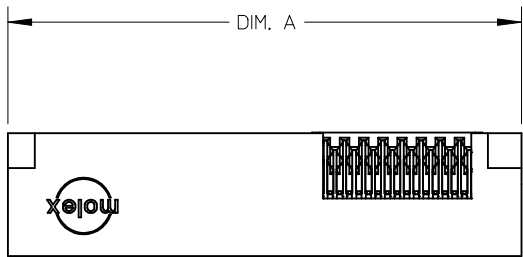
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2

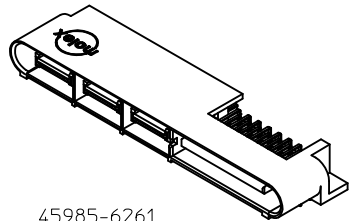
1



GUIDE OPTIONS

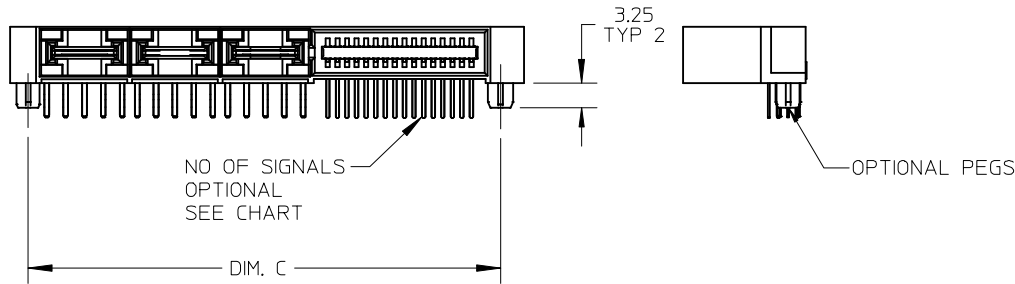
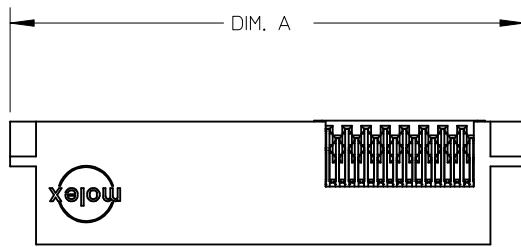
| NO OF SIGNAL | MATERIAL NUMBER | DIM A REF | DIM P | PCB THK |
|--------------|-----------------|-----------|-------|---------|
| 12 | 45985-6211 | 55.66 | 4.50 | 3.18 |
| 16 | 45985-6221 | 58.20 | | |
| 20 | 45985-6231 | 60.74 | | |
| 24 | 45985-6241 | 63.28 | | |
| 28 | 45985-6251 | 65.82 | | |
| 32 | 45985-6261 | 68.36 | | |
| 36 | 45985-6271 | 70.90 | 3.90 | 2.36 |
| 40 | 45985-6281 | 73.44 | | |
| 12 | 45985-6212 | 55.66 | | |
| 16 | 45985-6222 | 58.20 | | |
| 20 | 45985-6232 | 60.74 | | |
| 24 | 45985-6242 | 63.28 | | |
| 28 | 45985-6252 | 65.82 | 2.90 | 1.57 |
| 32 | 45985-6262 | 68.36 | | |
| 36 | 45985-6272 | 70.90 | | |
| 40 | 45985-6282 | 73.44 | | |
| 12 | 45985-6213 | 55.66 | | |
| 16 | 45985-6223 | 58.20 | | |
| 20 | 45985-6233 | 60.74 | | |
| 24 | 45985-6243 | 63.28 | | |
| 28 | 45985-6253 | 65.82 | | |
| 32 | 45985-6263 | 68.36 | | |
| 36 | 45985-6273 | 70.90 | | |
| 40 | 45985-6283 | 73.44 | | |

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



45985-6261
(SHOWN FOR REFERENCE)
SEE CHART

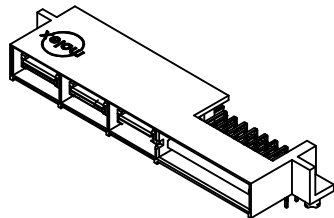
| | | | | | | | | | | |
|--|-------------|---------------------------------------|--------|--------------------------|---------------------------|-----------------|---|------------------------|---------------------|--|
| SEE SHEET 1 EC NO: UCP2015-3913 DRWN: JUILLES 2015/03/24 CHKD: MBANDURA 2015/03/24 APPR: APATEL 2015/04/09 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 1:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | | mm | INCH | DRAWN BY JSCHAFFER | DATE 6-9-05 | TITLE LPH PLUG ASSEMBLY RT ANGLE 6 CIRCUIT POWER CONNECTOR | | | |
| | | 4 PLACES | ± --- | ± --- | CHECKED BY YMARGULIS | DATE 6-14-05 | | | | |
| | | 3 PLACES | ± --- | ± --- | APPROVED BY YMARGULIS | DATE 6-15-05 | | | | |
| | | 2 PLACES | ± 0.25 | ± --- | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-45985-600 | | SHEET NO. 2 OF 5 | |
| | | 1 PLACE | ± --- | ± --- | SIZE A | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | ANGULAR ±1/2° | | | | | | | | |



MOUNTING PEG OPTIONS

| NO OF SIGNAL | MATERIAL NUMBER | DIM A REF | DIM C | DIM P | PCB THK |
|--------------|-----------------|-----------|-------|-------|---------|
| 12 | 45985-6311 | 55.66 | 49.98 | 4.50 | 3.18 |
| 16 | 45985-6321 | 58.20 | 52.52 | | |
| 20 | 45985-6331 | 60.74 | 55.06 | | |
| 24 | 45985-6341 | 63.28 | 57.60 | | |
| 28 | 45985-6351 | 65.82 | 60.14 | | |
| 32 | 45985-6361 | 68.36 | 62.68 | 3.90 | 2.36 |
| 36 | 45985-6371 | 70.90 | 65.22 | | |
| 40 | 45985-6381 | 73.44 | 67.76 | | |
| 12 | 45985-6312 | 55.66 | 49.98 | | |
| 16 | 45985-6322 | 58.20 | 52.52 | | |
| 20 | 45985-6332 | 60.74 | 55.06 | 2.90 | 1.57 |
| 24 | 45985-6342 | 63.28 | 57.60 | | |
| 28 | 45985-6352 | 65.82 | 60.14 | | |
| 32 | 45985-6362 | 68.36 | 62.68 | | |
| 36 | 45985-6372 | 70.90 | 65.22 | | |
| 40 | 45985-6382 | 73.44 | 67.76 | 2.90 | 1.57 |
| 12 | 45985-6313 | 55.66 | 49.98 | | |
| 16 | 45985-6323 | 58.20 | 52.52 | | |
| 20 | 45985-6333 | 60.74 | 55.06 | | |
| 24 | 45985-6343 | 63.28 | 57.60 | | |
| 28 | 45985-6353 | 65.82 | 60.14 | | |
| 32 | 45985-6363 | 68.36 | 62.68 | | |
| 36 | 45985-6373 | 70.90 | 65.22 | | |
| 40 | 45985-6383 | 73.44 | 67.76 | | |

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



45985-6361
(SHOWN FOR REFERENCE)
SEE CHART

| | | | | | | | | | | |
|--|-------------|---------------------------------------|--------|--------------------------|---------------------------|-----------------|---|------------------------|---------------------|--|
| SEE SHEET 1 EC NO: UCP2015-3913 DRWN: JUILLES 2015/03/24 CHKD: MBANDURA 2015/03/24 APPR: APATEL 2015/04/09 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 1:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | | mm | INCH | DRAWN BY JSCHAFFER | DATE 6-9-05 | TITLE LPH PLUG ASSEMBLY RT ANGLE 6 CIRCUIT POWER CONNECTOR | | | |
| | | 4 PLACES | ± --- | ± --- | CHECKED BY YMARGULIS | DATE 6-14-05 | | | | |
| | | 3 PLACES | ± --- | ± --- | APPROVED BY YMARGULIS | DATE 6-15-05 | | | | |
| | | 2 PLACES | ± 0.25 | ± --- | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-45985-600 | | SHEET NO. 3 OF 5 | |
| | | 1 PLACE | ± --- | ± --- | SIZE A | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | ANGULAR ±1/2° | | | | | | | | |

D1

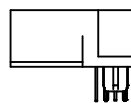
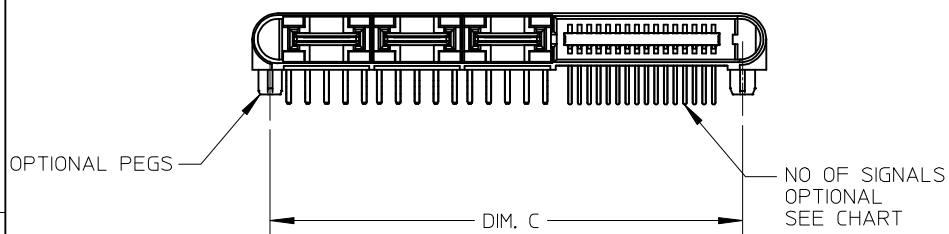
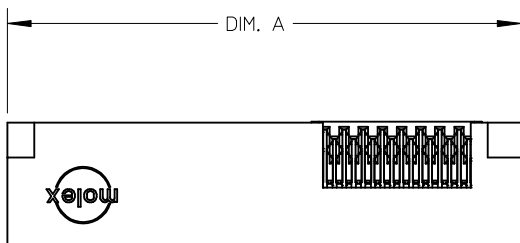
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4

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2

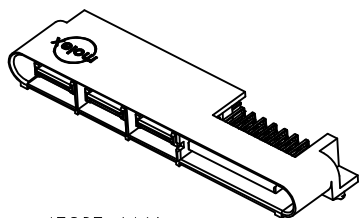
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GUIDE & MOUNTING PEG OPTIONS

| NO OF SIGNAL | MATERIAL NUMBER | DIM A REF | DIM C | DIM P | PCB THK |
|--------------|-----------------|-----------|-------|-------|---------|
| 12 | 45985-6411 | 55.66 | 49.98 | 4.50 | 3.18 |
| 16 | 45985-6421 | 58.20 | 52.52 | | |
| 20 | 45985-6431 | 60.74 | 55.06 | | |
| 24 | 45985-6441 | 63.28 | 57.60 | | |
| 28 | 45985-6451 | 65.82 | 60.14 | | |
| 32 | 45985-6461 | 68.36 | 62.68 | | |
| 36 | 45985-6471 | 70.90 | 65.22 | 3.90 | 2.36 |
| 40 | 45985-6481 | 73.44 | 67.76 | | |
| 12 | 45985-6412 | 55.66 | 49.98 | | |
| 16 | 45985-6422 | 58.20 | 52.52 | | |
| 20 | 45985-6432 | 60.74 | 55.06 | | |
| 24 | 45985-6442 | 63.28 | 57.60 | | |
| 28 | 45985-6452 | 65.82 | 60.14 | | |
| 32 | 45985-6462 | 68.36 | 62.68 | | |
| 36 | 45985-6472 | 70.90 | 65.22 | | |
| 40 | 45985-6482 | 73.44 | 67.76 | | |
| 12 | 45985-6413 | 55.66 | 49.98 | | |
| 16 | 45985-6423 | 58.20 | 52.52 | | |
| 20 | 45985-6433 | 60.74 | 55.06 | | |
| 24 | 45985-6443 | 63.28 | 57.60 | | |
| 28 | 45985-6453 | 65.82 | 60.14 | | |
| 32 | 45985-6463 | 68.36 | 62.68 | | |
| 36 | 45985-6473 | 70.90 | 65.22 | | |
| 40 | 45985-6483 | 73.44 | 67.76 | | |

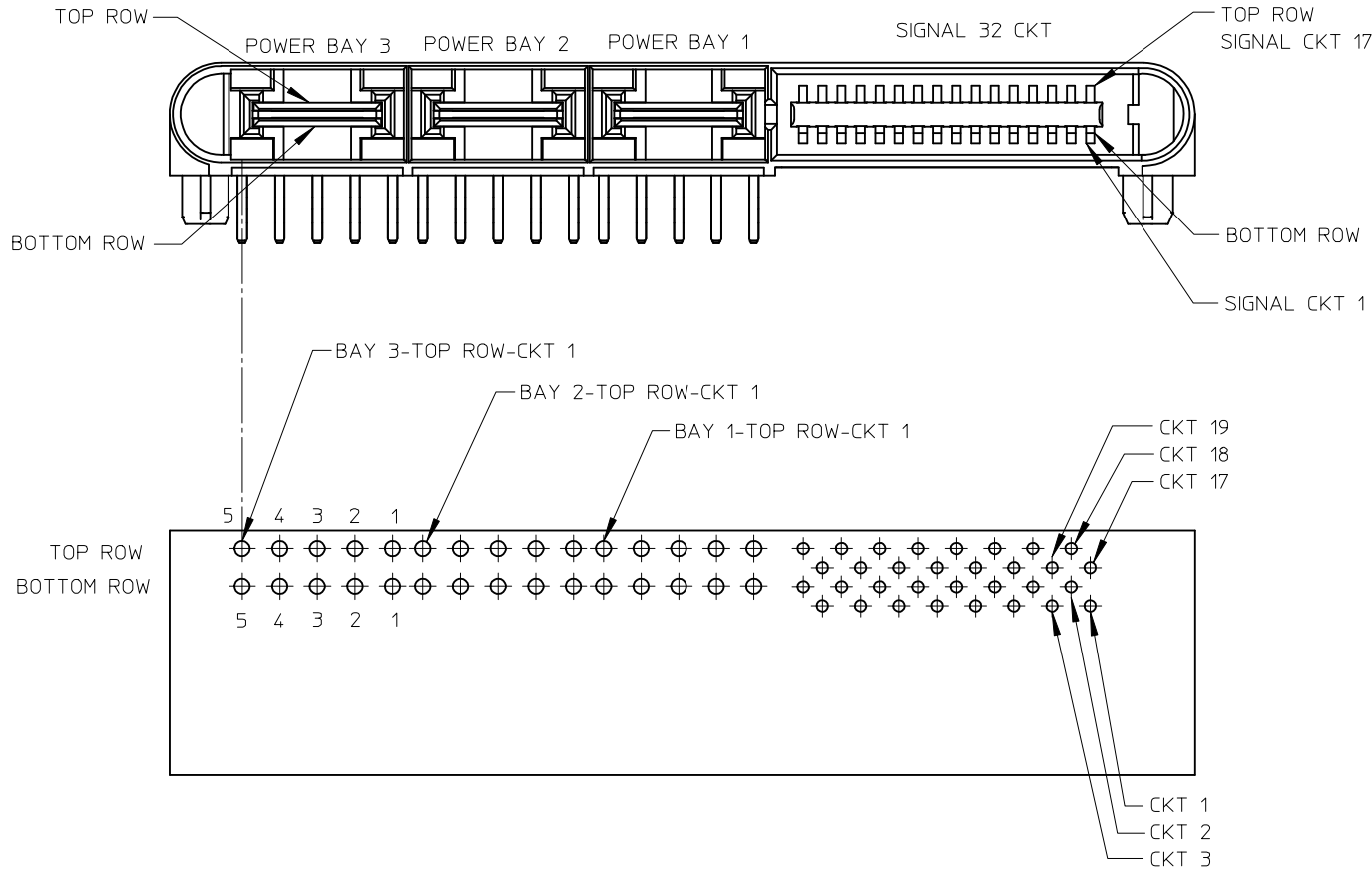
NOTE:
1. SEE SHEET 1 FOR ALL DIMENSIONS NOT SHOWN.



45985-6461
(SHOWN FOR REFERENCE)
SEE CHART

| | | | | | | | | | | |
|--|-------------|---------------------------------------|--------|--------------------------|---------------------------|-----------------|---|------------------------|---------------------|--|
| SEE SHEET 1 EC NO: UCP2015-3913 DRWN: JUILLES 2015/03/24 CHKD: MBANDURA 2015/03/24 APPR: APATEL 2015/04/09 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 1:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | | mm | INCH | DRAWN BY JSCHAFFER | DATE 6-9-05 | TITLE LPH PLUG ASSEMBLY RT ANGLE 6 CIRCUIT POWER CONNECTOR | | | |
| | | 4 PLACES | ± --- | ± --- | CHECKED BY YMARGULIS | DATE 6-14-05 | | | | |
| | | 3 PLACES | ± --- | ± --- | APPROVED BY YMARGULIS | DATE 6-15-05 | | | | |
| | | 2 PLACES | ± 0.25 | ± --- | MATERIAL NO. SEE CHART | | DOCUMENT NO. SD-45985-600 | | SHEET NO. 4 OF 5 | |
| | | 1 PLACE | ± --- | ± --- | SIZE A | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | | | | | |

CIRCUIT IDENTIFICATION



PCB LAYOUT: COMPONENT SIDE

| | | | | | | | | | | |
|---|-------------|---------------------------------------|--|---------------------------------|--|---------------------|--|------------------------|--|--|
| SEE SHEET 1 EC NO: UCP2015-3913 DRWN: JOUILLES 2015/03/24 CHKD: MBANDURA 2015/03/24 APPR: APATEL 2015/04/09 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM/IN | | SCALE 2:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | | |
| | | | mm | INCH | DRAWN BY JSCHAFFER | DATE 6-9-05 | TITLE LPH PLUG ASSEMBLY RT ANGLE 6 CIRCUIT POWER CONNECTOR | | | |
| | | 4 PLACES | ± --- | ± --- | CHECKED BY YMARGULIS | DATE 6-14-05 | | | | |
| | | 3 PLACES | ± --- | ± --- | APPROVED BY YMARGULIS | DATE 6-15-05 | MOLEX INCORPORATED | | | |
| | | 2 PLACES | ± 0.25 | ± --- | MATERIAL NO. SEE CHARTS | | | | | |
| 1 PLACE | ± --- | ± --- | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |