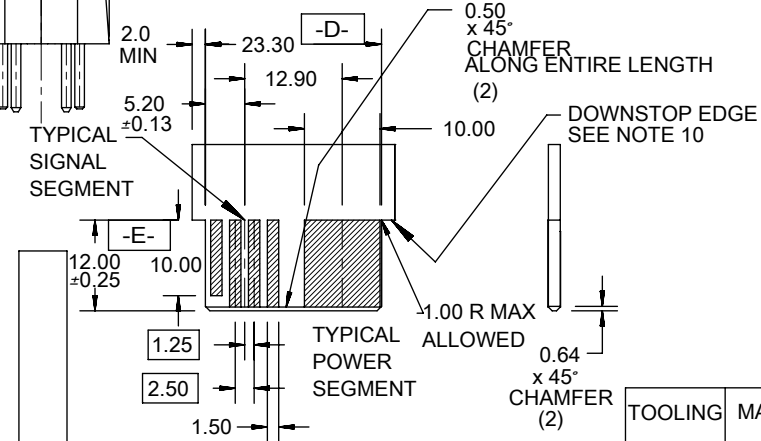
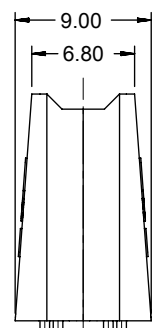


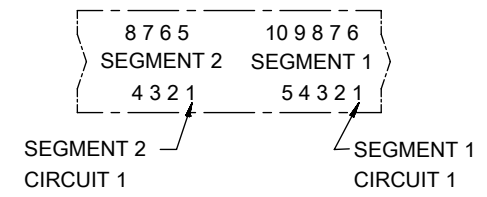
PCB LAYOUT: COMPONENT SIDE  
 \*\*\* = TO BE DETERMINED BY CUSTOMER



RECOMMENDED EDGE CARD LAYOUT:  
 EDGE CARD THICKNESS: 1.57/.062  
 PLATING: GOLD 30 uINCHES MIN  
 OVER 150 uINCHES NICKEL

MOLEX P/N 45911-0001 SHOWN

- NOTES:
- MATERIAL: HOUSING - LCP, UL94V-0, BLACK  
 MATERIAL: TERMINALS - COPPER ALLOY
  - FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA  
 SELECT TIN: 150 MI MIN IN PC TAIL AREA  
 BOTH OVER NICKEL: 50 MI MIN
  - PRODUCT SPECIFICATION: PS-45719-001.
  - PACKAGING SPECIFICATION: ES-45714-001.
  - PCB THICKNESS: SEE CHART
  - EDGE CARD THICKNESS: 1.57±0.08
  - DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
  - PCB HOLE SIZE SPECIFICATION: SEE PS-45719-001
  - POWER TERMINALS ARE LUBRICATED.
  - THIS EDGE WILL TOUCH HOUSING WHEN EDGE CARD IS FULLY SEATED



| TOOLING STATUS | MATERIAL NUMBER | SEGMENT 2 | SEGMENT 1 | DIM P / DIM T | PCB THK |
|----------------|-----------------|-----------|-----------|---------------|---------|
| TOOLED         | 45911-0001      | SIGNAL    | POWER     | 4.50          | 3.18    |
| TOOLED         | 45911-0002      | POWER     | SIGNAL    | 4.33          | 2.36    |
| TOOLED         | 45911-0003      | SIGNAL    | POWER     | 3.19          | 1.57    |
| TOOLED         | 45911-0004      | POWER     | SIGNAL    | 2.91          |         |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|  |            |                                      |               |
|--|------------|--------------------------------------|---------------|
| DIMENSION UNITS: MM                                  | SCALE: 2:1 | CURRENT REV DESC: TAIL LENGTH UPDATE |               |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |            | EC NO: 611748                        |               |
|  | MM INCH    | DRWN: MBELLE                         | 2019/06/21    |
| 4 PLACES   | ± ±        | CHK'D: MBELLE                        | 2019/07/16    |
| 3 PLACES   | ± ±        | APPR: HTHYAGARAJ                     | 2019/07/26    |
| 2 PLACES   | ± 0.25 ±   | INITIAL REVISION:                    |               |
| 1 PLACE  | ± 0.25 ±   | DRWN: SAMIEC                         | 2005/04/14    |
| 0 PLACES   | ± ±        | APPR: MARGULIS                       | 2005/04/14    |
| ANGULAR TOL  | ± 0.5 °    | THIRD ANGLE PROJECTION               |               |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |            | DRAWING: A-SIZE                      | SERIES: 45911 |

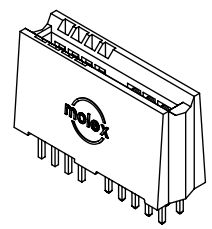
**molex**

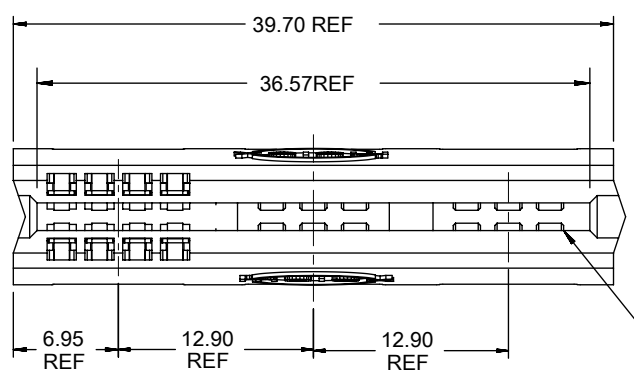
POWER EDGE ASSEMBLY  
 POWER / SIGNAL MIXED VERTICAL SOLDER TAIL

PRODUCT CUSTOMER DRAWING

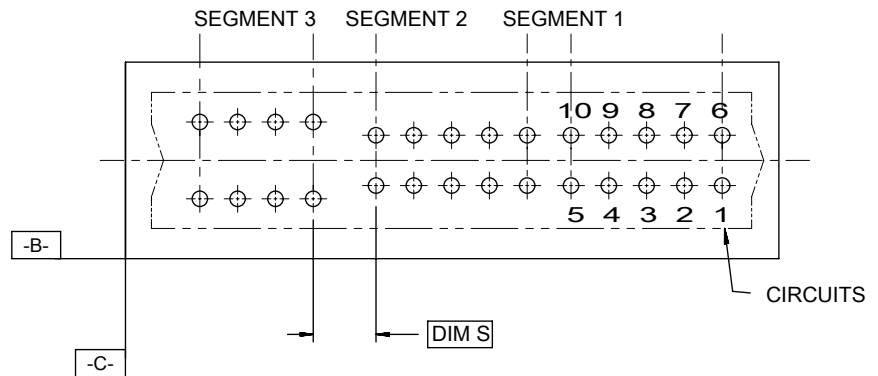
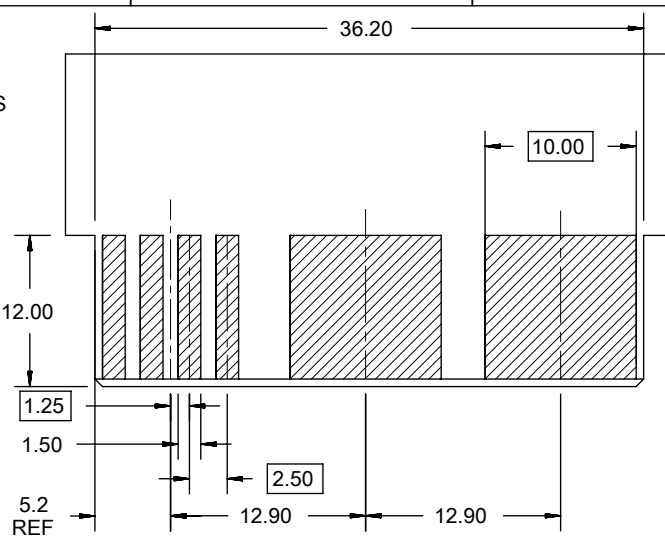
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| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SD-45911-001    | PSD      | 001      | L1       |

|                 |                |              |
|-----------------|----------------|--------------|
| MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
| SEE CHART       | GENERAL MARKET | 1 OF 4       |





RECOMMENDED  
EDGE CARD  
LAYOUT  
SEE SHT 1 FOR ADDITIONAL DETAILS  
TOLERANCE: ±0.05

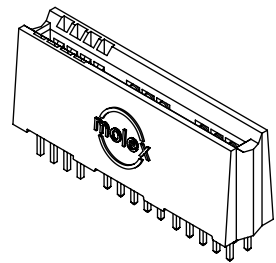


DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40  
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90  
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE

MATERIAL NUMBER: 45911-0007 SHOWN  
SEE SHEET ONE FOR ALL OTHER NOTES AND DIMENSIONS

| TOOLING STATUS | MATERIAL NUMBER | SEGMENT 3 | SEGMENT 2 | SEGMENT 1 | DIM P / DIM T | PCB THK     |
|----------------|-----------------|-----------|-----------|-----------|---------------|-------------|
| TOOLED         | 45911-0007      | SIGNAL    | POWER     | POWER     | 4.50 / 4.33   | 3.18 / 2.36 |
| TOOLED         | 45911-0008      | POWER     | SIGNAL    | POWER     |               |             |
| TOOLED         | 45911-0009      | SIGNAL    | SIGNAL    | POWER     | 3.19 / 2.91   | 1.57        |
| TOOLED         | 45911-0010      | SIGNAL    | POWER     | SIGNAL    |               |             |
| TOOLED         | 45911-0011      | POWER     | SIGNAL    | SIGNAL    | 3.19 / 2.91   | 1.57        |
| TOOLED         | 45911-0012      | POWER     | POWER     | SIGNAL    |               |             |
| TOOLED         | 45911-0013      | SIGNAL    | POWER     | POWER     | 3.19 / 2.91   | 1.57        |
| TOOLED         | 45911-0014      | POWER     | SIGNAL    | POWER     |               |             |
| TOOLED         | 45911-0015      | SIGNAL    | SIGNAL    | POWER     | 3.19 / 2.91   | 1.57        |
| TOOLED         | 45911-0016      | SIGNAL    | POWER     | SIGNAL    |               |             |
| TOOLED         | 45911-0017      | POWER     | SIGNAL    | SIGNAL    | 3.19 / 2.91   | 1.57        |
| TOOLED         | 45911-0018      | POWER     | POWER     | SIGNAL    |               |             |



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

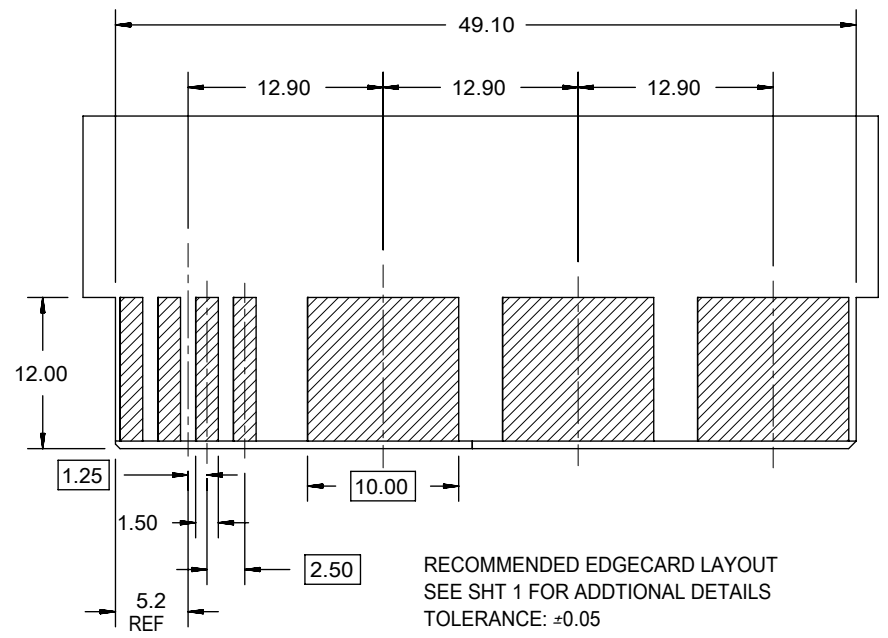
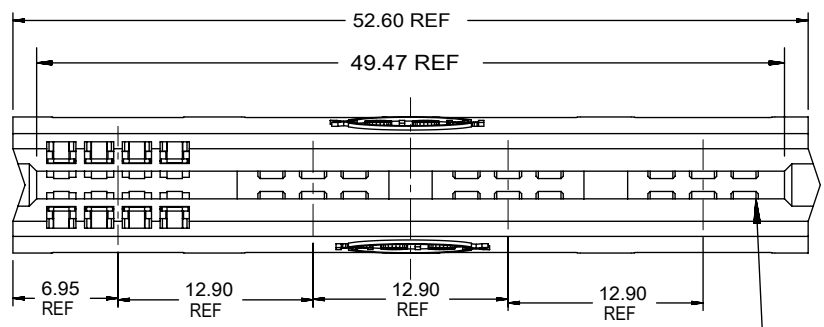
|  |            |                                      |                            |
|--|------------|--------------------------------------|----------------------------|
| DIMENSION UNITS: MM                                  | SCALE: 1:1 | CURRENT REV DESC: TAIL LENGTH UPDATE |                            |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |            | EC NO: 611748                        |                            |
| 4 PLACES ±   | MM INCH    | DRWN: MBELLE                         | 2019/06/21                 |
| 3 PLACES ±   |            | CHK'D: MBELLE                        | 2019/07/16                 |
| 2 PLACES ±   | 0.25       | APPR: HTHYAGARAJ                     | 2019/07/26                 |
| 1 PLACE ±  | 0.25       | INITIAL REVISION:                    |                            |
| 0 PLACES ±   |            | DRWN: SAMIEC                         | 2005/04/14                 |
| ANGULAR TOL ±  | 0.5°       | APPR: MARGULIS                       | 2005/04/14                 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |            | THIRD ANGLE PROJECTION               | DRAWING: A-SIZE            |
|  |            | SERIES: 45911                        | MATERIAL NUMBER: SEE CHART |

**molex**

POWER EDGE ASSEMBLY  
POWER / SIGNAL MIXED VERTICAL SOLDER TAIL

PRODUCT CUSTOMER DRAWING

|                               |               |               |              |
|-------------------------------|---------------|---------------|--------------|
| DOCUMENT NUMBER: SD-45911-001 | DOC TYPE: PSD | DOC PART: 001 | REVISION: L1 |
|-------------------------------|---------------|---------------|--------------|

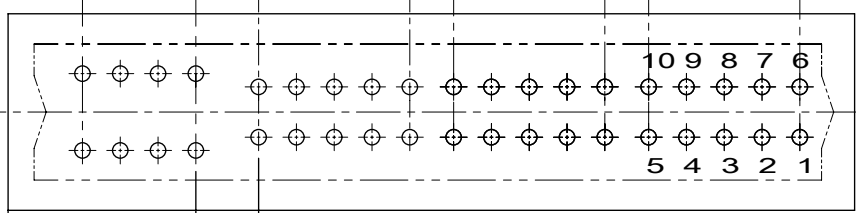


SEGMENT 1  
CIRCUIT 1

RECOMMENDED EDGE CARD LAYOUT  
SEE SHT 1 FOR ADDITIONAL DETAILS  
TOLERANCE: ±0.05

SEE CHART ON SHEET 4  
FOR MATERIAL NUMBERS

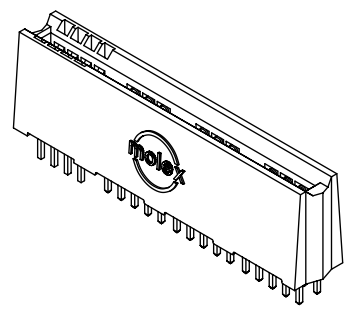
SEGMENT 4    SEGMENT 3    SEGMENT 2    SEGMENT 1



DIM S  
DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40  
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90  
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE

PART NUMBER 45911-0025  
SHOWN FOR REFERENCE



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| DIMENSION UNITS                       | SCALE  |      |
|---------------------------------------|--------|------|
| MM                                    | 2:1    |      |
| GENERAL TOLERANCES (UNLESS SPECIFIED) |        |      |
|                                       | MM     | INCH |
| 4 PLACES                              | ±      | ±    |
| 3 PLACES                              | ±      | ±    |
| 2 PLACES                              | ± 0.25 | ±    |
| 1 PLACE                               | ± 0.25 | ±    |
| 0 PLACES                              | ±      | ±    |
| ANGULAR TOL ± 0.5°                    |        |      |

CURRENT REV DESC: TAIL LENGTH UPDATE

EC NO: 611748  
DRWN: MBELLE 2019/06/21  
CHK'D: MBELLE 2019/07/16  
APPR: HTHYAGARAJ 2019/07/26

INITIAL REVISION:  
DRWN: SAMIEC 2005/04/14  
APPR: MARGULIS 2005/04/14

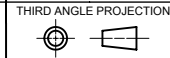
**molex**

POWER EDGE ASSEMBLY  
POWER / SIGNAL MIXED VERTICAL SOLDER TAIL

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SD-45911-001    | PSD      | 001      | L1       |

DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS



DRAWING A-SIZE

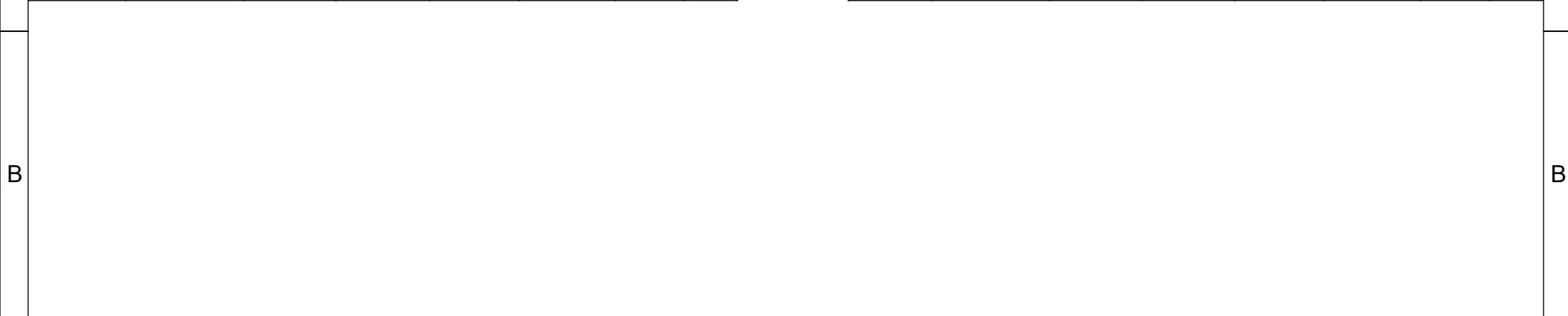
SERIES 45911

MATERIAL NUMBER SEE CHART

CUSTOMER GENERAL MARKET

SHEET NUMBER 3 OF 4

| 6              |                 | 5         |           |           |           | 4              |              | 3              |                 |           |           | 2         |           | 1              |         |
|----------------|-----------------|-----------|-----------|-----------|-----------|----------------|--------------|----------------|-----------------|-----------|-----------|-----------|-----------|----------------|---------|
| TOOLING STATUS | MATERIAL NUMBER | SEGMENT 4 | SEGMENT 3 | SEGMENT 2 | SEGMENT 1 | DIM P<br>DIM T | PCB THK      | TOOLING STATUS | MATERIAL NUMBER | SEGMENT 4 | SEGMENT 3 | SEGMENT 2 | SEGMENT 1 | DIM P<br>DIM T | PCB THK |
| TOOLED         | 45911-0025      | SIGNAL    | POWER     | POWER     | POWER     | 4.50<br>4.33   | 3.18<br>2.36 | TOOLED         | 45911-0039      | SIGNAL    | POWER     | POWER     | POWER     | 3.19<br>2.91   | 1.57    |
| TOOLED         | 45911-0026      | POWER     | SIGNAL    | POWER     | POWER     |                |              | TOOLED         | 45911-0040      | POWER     | SIGNAL    | POWER     | POWER     |                |         |
| TOOLED         | 45911-0027      | SIGNAL    | SIGNAL    | POWER     | POWER     |                |              | TOOLED         | 45911-0041      | SIGNAL    | SIGNAL    | POWER     | POWER     |                |         |
| TOOLED         | 45911-0028      | SIGNAL    | POWER     | SIGNAL    | POWER     |                |              | TOOLED         | 45911-0042      | SIGNAL    | POWER     | SIGNAL    | POWER     |                |         |
| TOOLED         | 45911-0029      | POWER     | SIGNAL    | SIGNAL    | POWER     |                |              | TOOLED         | 45911-0043      | POWER     | SIGNAL    | SIGNAL    | POWER     |                |         |
| TOOLED         | 45911-0030      | POWER     | POWER     | SIGNAL    | POWER     |                |              | TOOLED         | 45911-0044      | POWER     | POWER     | SIGNAL    | POWER     |                |         |
| TOOLED         | 45911-0031      | SIGNAL    | SIGNAL    | SIGNAL    | POWER     |                |              | TOOLED         | 45911-0045      | SIGNAL    | SIGNAL    | SIGNAL    | POWER     |                |         |
| TOOLED         | 45911-0032      | SIGNAL    | POWER     | POWER     | SIGNAL    |                |              | TOOLED         | 45911-0046      | SIGNAL    | POWER     | POWER     | SIGNAL    |                |         |
| TOOLED         | 45911-0033      | POWER     | SIGNAL    | POWER     | SIGNAL    |                |              | TOOLED         | 45911-0047      | POWER     | SIGNAL    | POWER     | SIGNAL    |                |         |
| TOOLED         | 45911-0034      | SIGNAL    | SIGNAL    | POWER     | SIGNAL    |                |              | TOOLED         | 45911-0048      | SIGNAL    | SIGNAL    | POWER     | SIGNAL    |                |         |
| TOOLED         | 45911-0035      | SIGNAL    | POWER     | SIGNAL    | SIGNAL    |                |              | TOOLED         | 45911-0049      | SIGNAL    | POWER     | SIGNAL    | SIGNAL    |                |         |
| TOOLED         | 45911-0036      | POWER     | SIGNAL    | SIGNAL    | SIGNAL    |                |              | TOOLED         | 45911-0050      | POWER     | SIGNAL    | SIGNAL    | SIGNAL    |                |         |
| TOOLED         | 45911-0037      | POWER     | POWER     | SIGNAL    | SIGNAL    |                |              | TOOLED         | 45911-0051      | POWER     | POWER     | SIGNAL    | SIGNAL    |                |         |
| TOOLED         | 45911-0038      | POWER     | POWER     | POWER     | SIGNAL    |                |              | TOOLED         | 45911-0052      | POWER     | POWER     | POWER     | SIGNAL    |                |         |



|   |        |       |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
|---|--------|-------|--------------|---|------------|-------------------------|--|--------------------------|--|-----------------------------|--|-----------|--|-----------------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |       |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
| DIMENSION UNITS   |        | SCALE |              | CURRENT REV DESC: TAIL LENGTH UPDATE  |            |                         |  |                          |  |                             |  |           |  |                       |  |
| MM  |        | 1:1   |              | <p><b>molex</b></p> <p>POWER EDGE ASSEMBLY<br/>POWER / SIGNAL MIXED VERTICAL SOLDER TAIL</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-45911-001    DOC TYPE: PSD    DOC PART: 001    REVISION: L1</p> |            |                         |  |                          |  |                             |  |           |  |                       |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |        |       |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
|   | MM     | INCH  |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
| 4 PLACES  | ±      | ±     |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
| 3 PLACES  | ±      | ±     |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
| 2 PLACES  | ± 0.25 | ±     |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
| 1 PLACE   | ± 0.25 | ±     |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
| 0 PLACES  | ±      | ±     |              |   |            |                         |  |                          |  |                             |  |           |  |                       |  |
| ANGULAR TOL ± 0.5 °   |        |       |              | EC NO: 611748   |            | DRWN: MBELLE 2019/06/21 |  | CHK'D: MBELLE 2019/07/16 |  | APPR: HTHYAGARAJ 2019/07/26 |  |           |  |                       |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |        |       |              | THIRD ANGLE PROJECTION  |            | DRAWING                 |  | SERIES                   |  | MATERIAL NUMBER             |  | CUSTOMER  |  | SHEET NUMBER          |  |
| DOCUMENT STATUS   |        | P1    | RELEASE DATE |   | 2019/07/26 | 00:10:35                |  | A-SIZE                   |  | 45911                       |  | SEE CHART |  | GENERAL MARKET 4 OF 4 |  |

6

5

4

3

2

1

D

D

C

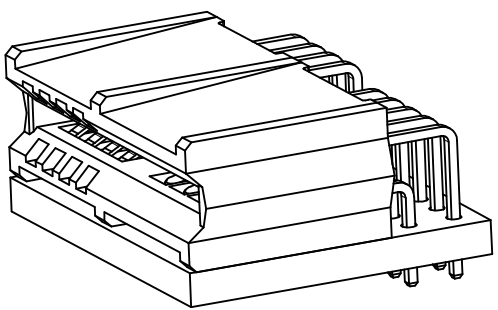
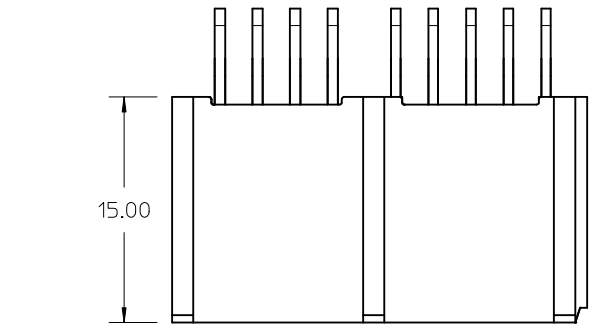
C

B

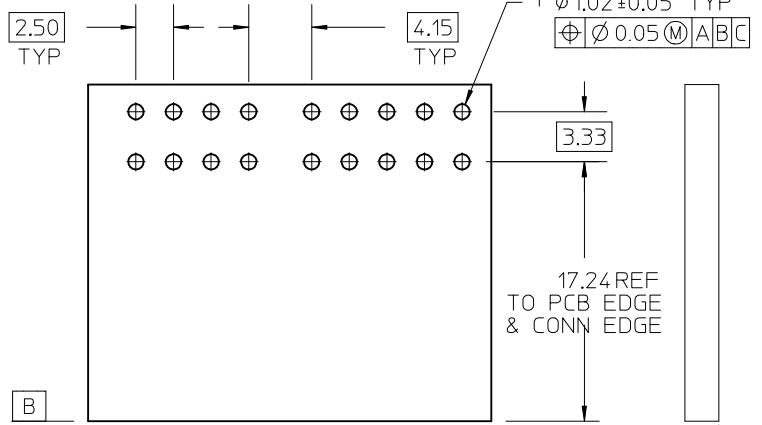
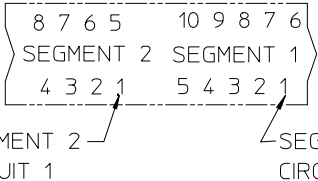
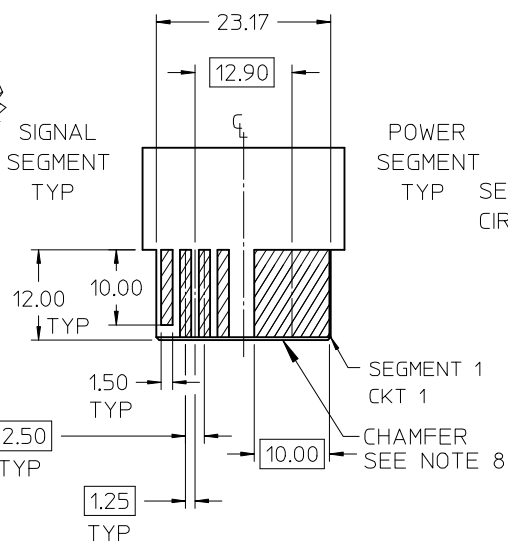
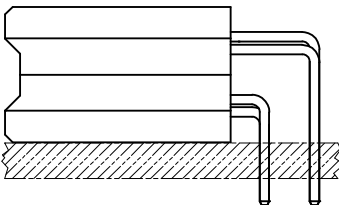
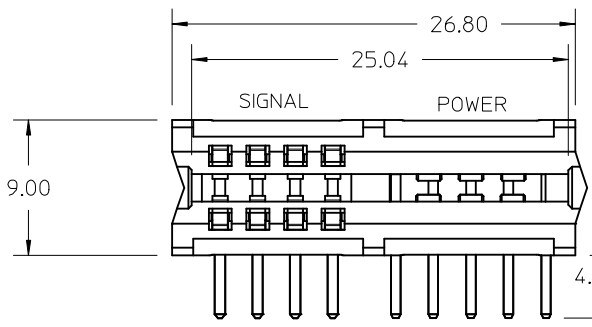
B

A

A



- NOTES:
- MATERIAL: HOUSING - LCP, UL94V-0, BLACK  
MATERIAL: TERMINALS - COPPER ALLOY
  - FINISH: SELECT GOLD: 30 MI MIN IN CONTACT AREA  
SELECT TIN: 150 MI MIN IN PC TAIL AREA  
BOTH OVER NICKEL: 50 MI MIN
  - PRODUCT SPECIFICATION: PS-45719-001.
  - PACKAGING SPECIFICATION: PK-45714-001.
  - PCB THICKNESS: SEE CHART
  - EDGE CARD THICKNESS: 1.57±0.15
  - DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
  - 0.50 X 45°CHAMFER ON LEADING EDGE, TYP 4 SIDES.



| MATERIAL NUMBER | SEGMENT 2 | SEGMENT 1 |
|-----------------|-----------|-----------|
| 45911-0901      | SIGNAL    | POWER     |
| 45911-0902      | POWER     | SIGNAL    |
| 45911-0903      | SIGNAL    | POWER     |
| 45911-0904      | POWER     | SIGNAL    |
| SEE 45844       | SIGNAL    | SIGNAL    |
| SEE 45719       | POWER     | POWER     |

EDGE CARD LAYOUT:  
TOLERANCE: ±0.05

|                     |            |
|---------------------|------------|
| INITIAL RELEASE     | 2014/08/25 |
| EC NO: UCP2015-0425 | 2011/11/07 |
| DRWN: JSCHAFAER     | 2011/11/07 |
| CHKD: APATEL        | 2014/08/25 |
| APPR: APATEL        | 2014/08/25 |
| REV 1               |            |

| QUALITY SYMBOLS | DESCRIPTION |
|-----------------|-------------|
|                 |             |

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

| DIMENSION STYLE |            |
|-----------------|------------|
| MM ONLY         |            |
| DRAWN BY        | DATE       |
| JSCHAFAER       | 2011/11/07 |
| CHECKED BY      | DATE       |
| APPROVED BY     | DATE       |
| APATEL          | 2014/08/25 |
| MATERIAL NUMBER | SEE CHART  |
| SIZE            | A          |

|   |                     |                        |
|---|---------------------|------------------------|
| SCALE 2:1   | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| TITLE   |                     |                        |
| POWER EDGE ASSEMBLY<br>POWER / SIGNAL MIXED<br>RT ANGLE SOLDER TAIL   |                     |                        |
| MOLEX INCORPORATED  |                     |                        |
| MATERIAL NUMBER   | DOCUMENT NO.        | SHEET NO.              |
| SEE 45844   | SD-45911-002        | 1 OF 5                 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                     |                        |

5

4

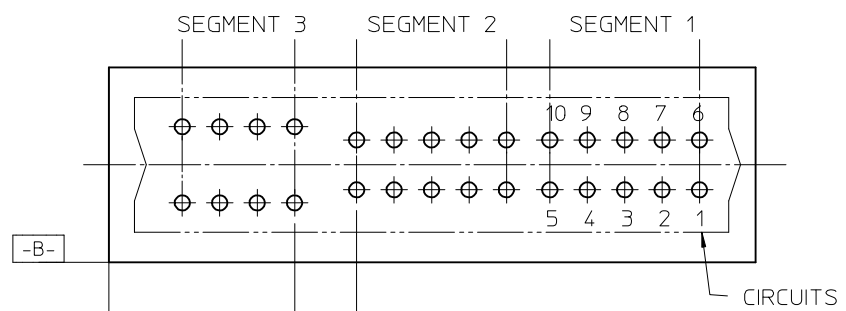
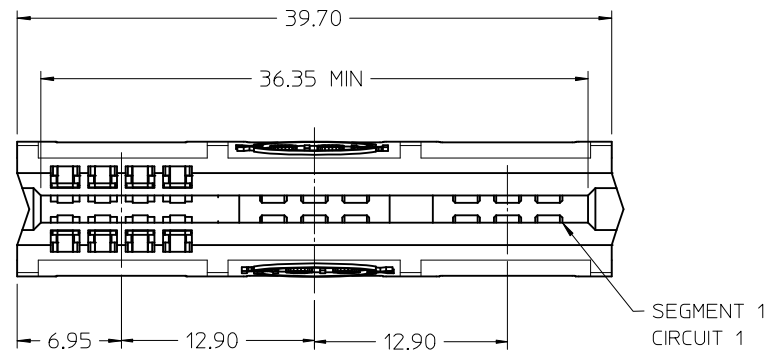
3

2

1

6 5 4 3 2 1

MATERIAL NUMBER: 45911-0907 SHOWN  
SEE SHEET ONE FOR ALL OTHER NOTES AND DIMENSIONS



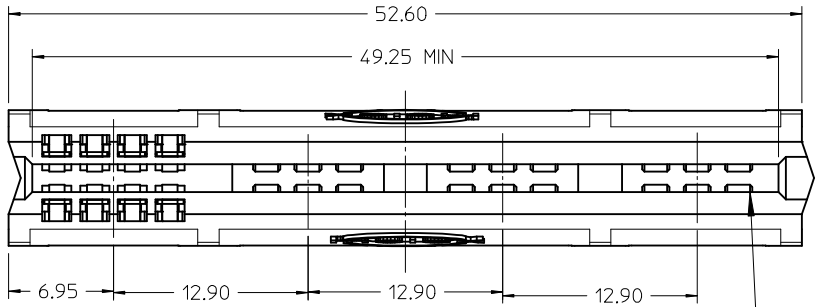
DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40  
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90  
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE

| MATERIAL NUMBER | SEGMENT 3 | SEGMENT 2 | SEGMENT 1 | DIM P<br>DIM T | PCB<br>THK   |
|-----------------|-----------|-----------|-----------|----------------|--------------|
| 45911-0907      | SIGNAL    | POWER     | POWER     | 4.50<br>4.33   | 3.18<br>2.36 |
| 45911-0908      | POWER     | SIGNAL    | POWER     |                |              |
| 45911-0909      | SIGNAL    | SIGNAL    | POWER     |                |              |
| 45911-0910      | SIGNAL    | POWER     | SIGNAL    |                |              |
| 45911-0911      | POWER     | SIGNAL    | SIGNAL    | 3.19<br>3.19   | 1.57         |
| 45911-0912      | POWER     | POWER     | SIGNAL    |                |              |
| 45911-0913      | SIGNAL    | POWER     | POWER     |                |              |
| 45911-0914      | POWER     | SIGNAL    | POWER     |                |              |
| 45911-0915      | SIGNAL    | SIGNAL    | POWER     |                |              |
| 45911-0916      | SIGNAL    | POWER     | SIGNAL    |                |              |
| 45911-0917      | POWER     | SIGNAL    | SIGNAL    |                |              |
| 45911-0918      | POWER     | POWER     | SIGNAL    |                |              |

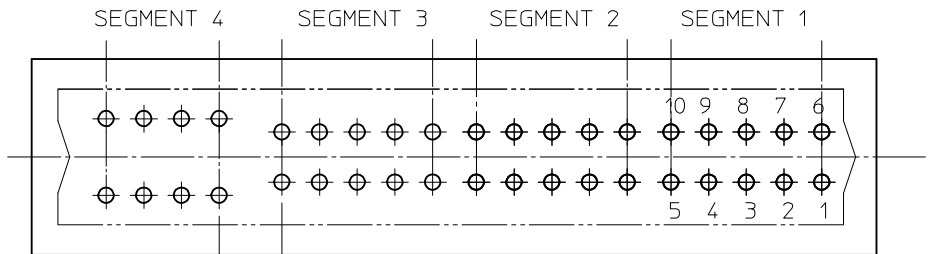
|   |                 |                                       |  |                                   |                    |   |                               |                        |  |
|---|-----------------|---------------------------------------|--|-----------------------------------|--------------------|---|-------------------------------|------------------------|--|
| EC NO: UCP2015-0425<br>DRWN: JSCHAFFER 2011/11/07<br>CHKD:<br>APPR: APATEL 2014/08/25<br>DESCRIPTION<br>REV 1 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br><b>MM ONLY</b> |                    | SCALE<br><b>1:1</b>   | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |  |
|   |                 | mm                                    | INCH   | DRAWN BY<br>JSCHAFFER             | DATE<br>2011/11/07 | TITLE<br><b>POWER EDGE ASSEMBLY<br/>POWER / SIGNAL MIXED<br/>RT ANGLE SOLDER TAIL</b>   |                               |                        |  |
|   |                 | 4 PLACES ± ---                        | ± ---  | CHECKED BY                        | DATE               |   |                               |                        |  |
|   |                 | 3 PLACES ± ---                        | ± ---  | APPROVED BY<br>APATEL             |                    | DATE<br>2014/08/25  | <b>MOLEX INCORPORATED</b>     |                        |  |
|   |                 | 2 PLACES ± 0.25                       | ± ---  | MATERIAL NUMBER<br>SEE CHART      |                    | DOCUMENT NO.<br><b>SD-45911-002</b>   |                               |                        |  |
|   | 1 PLACE ± 0.25  | ± ---                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                   | SIZE<br><b>A</b>   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                               |                        |  |

5 4 3 2 1



SEGMENT 1  
CIRCUIT 1

SEE CHART ON SHEET 4  
FOR MATERIAL NUMBERS



-B-

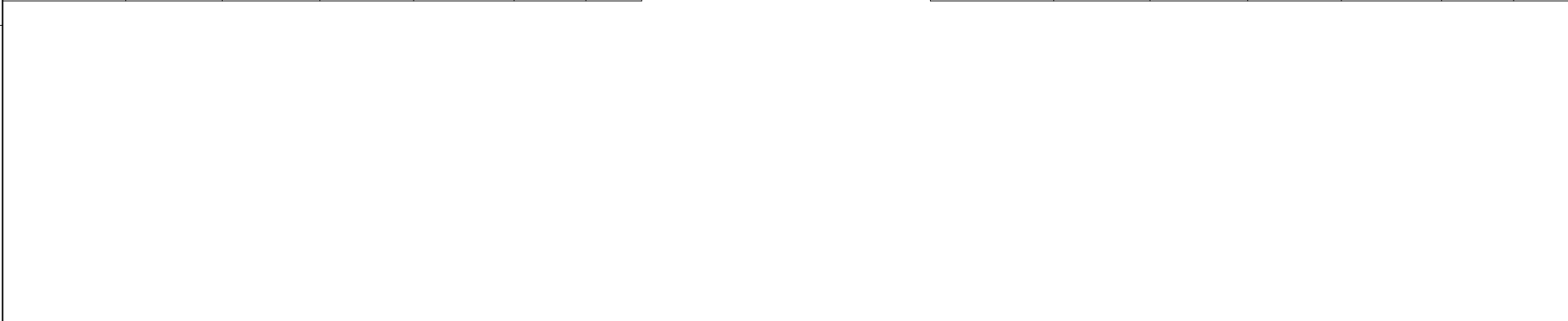
DIM S

DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40  
 DIM S BETWEEN POWER SEG AND POWER SEG: 2.90  
 DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE

|   |                 |                                       |  |                                   |   |  |   |                           |  |  |  |
|---|-----------------|---------------------------------------|--|-----------------------------------|---|--|---|---------------------------|--|--|--|
| EC NO: UCP2015-0425<br>DRWN: JSCHAFFER 2011/11/07<br>CHKD: APATEL<br>APPR: APATEL 2014/08/25<br>DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br><b>MM ONLY</b> |   | SCALE<br><b>2:1</b>  | DESIGN UNITS<br><b>METRIC</b>   | THIRD ANGLE PROJECTION    |  |  |  |
|   |                 |                                       | mm   | INCH                              | DRAWN BY<br>JSCHAFFER                   | DATE<br>2011/11/07   | TITLE<br><b>POWER EDGE ASSEMBLY<br/>         POWER / SIGNAL MIXED<br/>         RT ANGLE SOLDER TAIL</b> |                           |  |  |  |
|   |                 | 4 PLACES                              | ± ---  | ± ---                             | CHECKED BY                              | DATE   |   |                           |  |  |  |
|   |                 | 3 PLACES                              | ± ---  | ± ---                             | APPROVED BY<br>APATEL                   |  | DATE<br>2014/08/25  | <b>MOLEX INCORPORATED</b> |  |  |  |
|   |                 | 2 PLACES                              | ± 0.25   | ± ---                             | MATERIAL NUMBER<br>SEE CHART ON SHEET 4 |  | DOCUMENT NO.<br><b>SD-45911-002</b>   |                           |  |  |  |
| 1 PLACE   | ± 0.25          | ± ---                                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                   | SIZE<br><b>A</b>                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                           |  |  |  |

| 6               |           | 5         |           |           | 4                     |              | 3               |           | 2         |           |           | 1                     |         |
|-----------------|-----------|-----------|-----------|-----------|-----------------------|--------------|-----------------|-----------|-----------|-----------|-----------|-----------------------|---------|
| MATERIAL NUMBER | SEGMENT 4 | SEGMENT 3 | SEGMENT 2 | SEGMENT 1 | $\frac{DIM P}{DIM T}$ | PCB THK      | MATERIAL NUMBER | SEGMENT 4 | SEGMENT 3 | SEGMENT 2 | SEGMENT 1 | $\frac{DIM P}{DIM T}$ | PCB THK |
| 45911-0925      | SIGNAL    | POWER     | POWER     | POWER     | $\frac{4.50}{4.33}$   | 3.18<br>2.36 | 45911-0939      | SIGNAL    | POWER     | POWER     | POWER     | $\frac{3.19}{3.19}$   | 1.57    |
| 45911-0926      | POWER     | SIGNAL    | POWER     | POWER     |                       |              | 45911-0940      | POWER     | SIGNAL    | POWER     | POWER     |                       |         |
| 45911-0927      | SIGNAL    | SIGNAL    | POWER     | POWER     |                       |              | 45911-0941      | SIGNAL    | SIGNAL    | POWER     | POWER     |                       |         |
| 45911-0928      | SIGNAL    | POWER     | SIGNAL    | POWER     |                       |              | 45911-0942      | SIGNAL    | POWER     | SIGNAL    | POWER     |                       |         |
| 45911-0929      | POWER     | SIGNAL    | SIGNAL    | POWER     |                       |              | 45911-0943      | POWER     | SIGNAL    | SIGNAL    | POWER     |                       |         |
| 45911-0930      | POWER     | POWER     | SIGNAL    | POWER     |                       |              | 45911-0944      | POWER     | POWER     | SIGNAL    | POWER     |                       |         |
| 45911-0931      | SIGNAL    | SIGNAL    | SIGNAL    | POWER     |                       |              | 45911-0945      | SIGNAL    | SIGNAL    | SIGNAL    | POWER     |                       |         |
| 45911-0932      | SIGNAL    | POWER     | POWER     | SIGNAL    |                       |              | 45911-0946      | SIGNAL    | POWER     | POWER     | SIGNAL    |                       |         |
| 45911-0933      | POWER     | SIGNAL    | POWER     | SIGNAL    |                       |              | 45911-0947      | POWER     | SIGNAL    | POWER     | SIGNAL    |                       |         |
| 45911-0934      | SIGNAL    | SIGNAL    | POWER     | SIGNAL    |                       |              | 45911-0948      | SIGNAL    | SIGNAL    | POWER     | SIGNAL    |                       |         |
| 45911-0935      | SIGNAL    | POWER     | SIGNAL    | SIGNAL    |                       |              | 45911-0949      | SIGNAL    | POWER     | SIGNAL    | SIGNAL    |                       |         |
| 45911-0936      | POWER     | SIGNAL    | SIGNAL    | SIGNAL    |                       |              | 45911-0950      | POWER     | SIGNAL    | SIGNAL    | SIGNAL    |                       |         |
| 45911-0937      | POWER     | POWER     | SIGNAL    | SIGNAL    |                       |              | 45911-0951      | POWER     | POWER     | SIGNAL    | SIGNAL    |                       |         |
| 45911-0938      | POWER     | POWER     | POWER     | SIGNAL    |                       |              | 45911-0952      | POWER     | POWER     | POWER     | SIGNAL    |                       |         |



|   |  |                                   |   |   |                            |
|---|--|-----------------------------------|---|---|----------------------------|
| EC NO: UCP2015-0425<br>DRWN: JSCHAFFER<br>CHKD:<br>APPR: APATEL<br>2014/08/25<br>DESCRIPTION<br>REV | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION STYLE<br><b>MM ONLY</b> | SCALE<br><b>1:1</b>   | DESIGN UNITS<br><b>METRIC</b>   | THIRD ANGLE PROJECTION     |
|   |  | mm                                | INCH  | DRAWN BY DATE<br>JSCHAFFER 2011/11/07   |                            |
|   | 4 PLACES   | ± ---                             | ± ---   | CHECKED BY DATE   |                            |
|   | 3 PLACES   | ± ---                             | ± ---   | TITLE<br><b>POWER EDGE ASSEMBLY<br/>         POWER / SIGNAL MIXED<br/>         RT ANGLE SOLDER TAIL</b> |                            |
|   | 2 PLACES   | ± 0.25                            | ± ---   |   |                            |
| 1 PLACE   | ± 0.25   | ± ---                             | APATEL 2014/08/25<br><b>MOLEX INCORPORATED</b>  |   |                            |
|   | ANGULAR ±1/2°  | MATERIAL NO.<br><b>SEE CHART</b>  |   | DOCUMENT NO.<br><b>SD-45911-002</b>   | SHEET NO.<br><b>4 OF 5</b> |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SIZE<br><b>A</b>                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |                            |



| MATERIAL NUMBER | SEG 5  | SEG 4  | SEG 3  | SEG 2  | SEG 1  |
|-----------------|--------|--------|--------|--------|--------|
| 45911-0954      | POWER  | SIGNAL | SIGNAL | SIGNAL | SIGNAL |
| 45911-0955      | SIGNAL | SIGNAL | POWER  | POWER  | POWER  |
| 45911-0956      | POWER  | POWER  | SIGNAL | POWER  | POWER  |
| 45911-0957      | SIGNAL | SIGNAL | SIGNAL | POWER  | POWER  |
| 45911-0957      | SIGNAL | SIGNAL | POWER  | SIGNAL | POWER  |
| 45911-0958      | POWER  | POWER  | SIGNAL | SIGNAL | POWER  |
| 45911-0959      | POWER  | POWER  | POWER  | SIGNAL | POWER  |
| 45911-0960      | SIGNAL | SIGNAL | SIGNAL | SIGNAL | POWER  |
| 45911-0961      | SIGNAL | SIGNAL | POWER  | POWER  | SIGNAL |
| 45911-0962      | POWER  | POWER  | SIGNAL | POWER  | SIGNAL |
| 45911-0963      | SIGNAL | SIGNAL | SIGNAL | POWER  | SIGNAL |
| 45911-0964      | SIGNAL | SIGNAL | POWER  | SIGNAL | SIGNAL |
| 45911-0965      | POWER  | POWER  | SIGNAL | SIGNAL | SIGNAL |
| 45911-0966      | POWER  | POWER  | POWER  | SIGNAL | SIGNAL |
| 45911-0967      | POWER  | POWER  | POWER  | POWER  | SIGNAL |
| 45911-0968      | POWER  | POWER  | POWER  | SIGNAL | POWER  |
| 45911-0969      | POWER  | POWER  | SIGNAL | POWER  | POWER  |
| 45911-0970      | POWER  | SIGNAL | SIGNAL | SIGNAL | POWER  |
| 45911-0971      | POWER  | SIGNAL | POWER  | SIGNAL | SIGNAL |
| 45911-0972      | POWER  | SIGNAL | POWER  | POWER  | POWER  |
| 45911-0973      | POWER  | SIGNAL | POWER  | SIGNAL | POWER  |
| 45911-0974      | POWER  | POWER  | POWER  | SIGNAL | POWER  |
| 45911-0975      | SIGNAL | POWER  | SIGNAL | POWER  | SIGNAL |
| 45911-0976      | SIGNAL | SIGNAL | SIGNAL | SIGNAL | SIGNAL |

5-SEGMENT ASSEMBLIES

| MATERIAL NUMBER | SEG 6  | SEG 5  | SEG 4  | SEG 3  | SEG 2  | SEG 1  |
|-----------------|--------|--------|--------|--------|--------|--------|
| 45911-0977      | POWER  | SIGNAL | SIGNAL | SIGNAL | SIGNAL | SIGNAL |
| 45911-0978      | SIGNAL | POWER  | SIGNAL | SIGNAL | SIGNAL | SIGNAL |
| 45911-0979      | SIGNAL | SIGNAL | POWER  | SIGNAL | SIGNAL | SIGNAL |
| 45911-0980      | SIGNAL | SIGNAL | SIGNAL | POWER  | SIGNAL | SIGNAL |
| 45911-0981      | SIGNAL | SIGNAL | SIGNAL | SIGNAL | POWER  | SIGNAL |
| 45911-0982      | SIGNAL | SIGNAL | SIGNAL | SIGNAL | POWER  | POWER  |
| 45911-0983      | POWER  | POWER  | SIGNAL | SIGNAL | SIGNAL | SIGNAL |
| 45911-0984      | POWER  | SIGNAL | POWER  | SIGNAL | SIGNAL | SIGNAL |
| 45911-0985      | POWER  | SIGNAL | SIGNAL | POWER  | SIGNAL | SIGNAL |
| 45911-0986      | POWER  | SIGNAL | SIGNAL | SIGNAL | POWER  | SIGNAL |
| 45911-0987      | POWER  | SIGNAL | SIGNAL | SIGNAL | SIGNAL | POWER  |
| 45911-0988      | SIGNAL | POWER  | POWER  | SIGNAL | SIGNAL | SIGNAL |
| 45911-0989      | SIGNAL | POWER  | SIGNAL | POWER  | SIGNAL | SIGNAL |
| 45911-0990      | SIGNAL | POWER  | SIGNAL | SIGNAL | POWER  | SIGNAL |
| 45911-0991      | SIGNAL | POWER  | SIGNAL | SIGNAL | SIGNAL | POWER  |
| 45911-0992      | SIGNAL | SIGNAL | POWER  | POWER  | SIGNAL | SIGNAL |
| 45911-0993      | SIGNAL | SIGNAL | POWER  | SIGNAL | POWER  | SIGNAL |
| 45911-0994      | SIGNAL | SIGNAL | POWER  | SIGNAL | SIGNAL | POWER  |
| 45911-0995      | SIGNAL | POWER  | POWER  | SIGNAL | SIGNAL | SIGNAL |
| 45911-0996      | SIGNAL | SIGNAL | SIGNAL | POWER  | POWER  | SIGNAL |
| 45911-0997      | SIGNAL | SIGNAL | SIGNAL | SIGNAL | POWER  | POWER  |
| 45911-0998      | SIGNAL | SIGNAL | SIGNAL | POWER  | SIGNAL | POWER  |
| 45911-0999      | POWER  | POWER  | POWER  | SIGNAL | SIGNAL | SIGNAL |
| 45911-9901      | SIGNAL | POWER  | POWER  | POWER  | SIGNAL | SIGNAL |
| 45911-9902      | SIGNAL | SIGNAL | POWER  | POWER  | POWER  | SIGNAL |
| 45911-9903      | SIGNAL | SIGNAL | SIGNAL | POWER  | POWER  | POWER  |
| 45911-9904      | POWER  | POWER  | SIGNAL | POWER  | SIGNAL | SIGNAL |
| 45911-9905      | POWER  | POWER  | SIGNAL | SIGNAL | POWER  | SIGNAL |
| 45911-9906      | POWER  | POWER  | SIGNAL | SIGNAL | SIGNAL | POWER  |
| 45911-9907      | SIGNAL | POWER  | POWER  | SIGNAL | POWER  | SIGNAL |
| 45911-9908      | SIGNAL | POWER  | POWER  | SIGNAL | SIGNAL | POWER  |
| 45911-9909      | SIGNAL | SIGNAL | POWER  | POWER  | SIGNAL | POWER  |
| 45911-9910      | POWER  | SIGNAL | POWER  | POWER  | SIGNAL | SIGNAL |

| MATERIAL NUMBER | SEG 6  | SEG 5  | SEG 4  | SEG 3  | SEG 2  | SEG 1  |
|-----------------|--------|--------|--------|--------|--------|--------|
| 45911-9911      | POWER  | SIGNAL | SIGNAL | POWER  | POWER  | SIGNAL |
| 45911-9912      | SIGNAL | POWER  | SIGNAL | POWER  | POWER  | SIGNAL |
| 45911-9913      | POWER  | SIGNAL | SIGNAL | SIGNAL | POWER  | POWER  |
| 45911-9914      | SIGNAL | POWER  | SIGNAL | SIGNAL | POWER  | POWER  |
| 45911-9915      | SIGNAL | SIGNAL | POWER  | SIGNAL | POWER  | POWER  |
| 45911-9916      | POWER  | POWER  | POWER  | POWER  | SIGNAL | SIGNAL |
| 45911-9917      | SIGNAL | POWER  | POWER  | POWER  | POWER  | SIGNAL |
| 45911-9918      | SIGNAL | SIGNAL | SIGNAL | POWER  | POWER  | POWER  |
| 45911-9919      | POWER  | POWER  | POWER  | SIGNAL | POWER  | SIGNAL |
| 45911-9920      | POWER  | POWER  | POWER  | SIGNAL | SIGNAL | POWER  |
| 45911-9921      | POWER  | POWER  | POWER  | POWER  | SIGNAL | POWER  |
| 45911-9922      | POWER  | POWER  | SIGNAL | POWER  | SIGNAL | POWER  |
| 45911-9923      | POWER  | POWER  | SIGNAL | SIGNAL | POWER  | POWER  |
| 45911-9924      | POWER  | SIGNAL | POWER  | POWER  | POWER  | SIGNAL |
| 45911-9925      | POWER  | SIGNAL | SIGNAL | POWER  | POWER  | POWER  |
| 45911-9926      | POWER  | SIGNAL | POWER  | POWER  | SIGNAL | POWER  |
| 45911-9927      | POWER  | POWER  | SIGNAL | POWER  | POWER  | SIGNAL |
| 45911-9928      | POWER  | SIGNAL | SIGNAL | POWER  | POWER  | POWER  |
| 45911-9929      | POWER  | POWER  | POWER  | POWER  | POWER  | POWER  |
| 45911-9930      | POWER  | POWER  | POWER  | SIGNAL | POWER  | POWER  |
| 45911-9931      | POWER  | POWER  | POWER  | POWER  | SIGNAL | POWER  |
| 45911-9932      | POWER  | POWER  | POWER  | POWER  | POWER  | SIGNAL |
| 45911-9933      | SIGNAL | POWER  | POWER  | POWER  | POWER  | POWER  |
| 45911-9934      | SIGNAL | SIGNAL | SIGNAL | SIGNAL | SIGNAL | SIGNAL |

6-SEGMENT ASSEMBLIES

|   |   |  |                    |   |                                     |                               |                        |
|---|---|--|--------------------|---|-------------------------------------|-------------------------------|------------------------|
| <b>ENTER DESCRIPTION</b><br>EC NO: UCP2015-0425<br>DRWN: JSCHAFFER 2011/11/07<br>CHKD: APATEL<br>APPR: APATEL 2014/08/25<br>REV 1 | QUALITY SYMBOLS<br>$\nabla F = 0$<br>$\nabla F = 0$<br>$\nabla F = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES $\pm$ --- $\pm$ ---<br>3 PLACES $\pm$ --- $\pm$ ---<br>2 PLACES $\pm 0.25$ $\pm$ ---<br>1 PLACE $\pm 0.25$ $\pm$ ---<br>ANGULAR $\pm 1/2^\circ$ |                    | DIMENSION STYLE<br><b>MM ONLY</b>   | SCALE<br><b>1.5:1</b>               | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |
|   |   | DRAWN BY<br>JSCHAFFER  | DATE<br>2011/11/07 | TITLE<br><b>POWER EDGE ASSEMBLY<br/>         POWER / SIGNAL MIXED<br/>         RT ANGLE SOLDER TAIL</b> |                                     |                               |                        |
|   |   | CHECKED BY<br>APATEL   | DATE<br>2014/08/25 | PARTS<br><b>MOLEX INCORPORATED</b>  | DOCUMENT NO.<br><b>SD-45911-002</b> |                               |                        |
|   |   | APPROVED BY<br>APATEL  | DATE<br>2014/08/25 | MATERIAL NO.<br><b>9999999999</b>   | SHEET NO.<br><b>5 OF 5</b>          |                               |                        |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

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