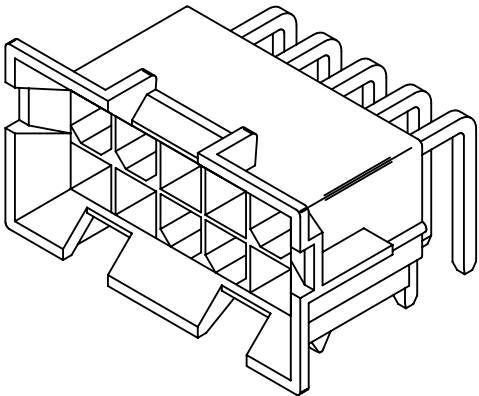
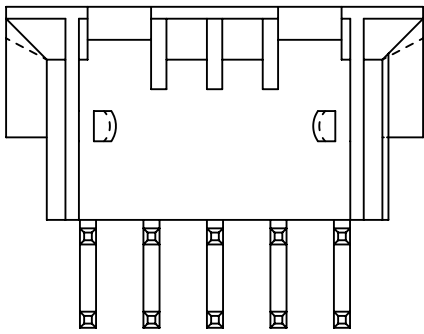
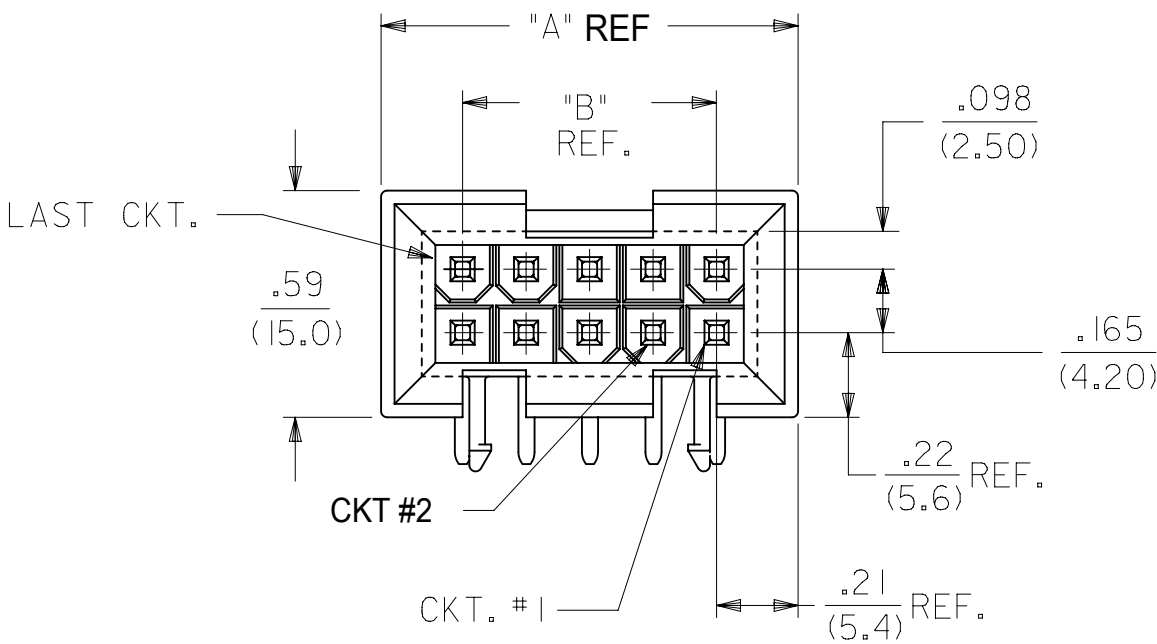


| CIRCUIT SIZE | DIM. "A"       | DIM. "B"         |
|--------------|----------------|------------------|
| 2            | —              | —                |
| 4            | .59<br>(15.0)  | .165<br>(4.20)   |
| 6            | .76<br>(19.2)  | .331<br>(8.40)   |
| 8            | .92<br>(23.4)  | .496<br>(12.60)  |
| 10           | 1.09<br>(27.6) | .661<br>(16.80)  |
| 12           | 1.25<br>(31.8) | .827<br>(21.00)  |
| 14           | 1.42<br>(36.0) | .992<br>(25.20)  |
| 16           | 1.58<br>(40.2) | 1.157<br>(29.40) |
| 18           | 1.75<br>(44.4) | 1.323<br>(33.60) |
| 20           | 1.91<br>(48.6) | 1.488<br>(37.80) |
| 22           | 2.08<br>(52.8) | 1.654<br>(42.00) |
| 24           | 2.24<br>(57.0) | 1.819<br>(46.20) |

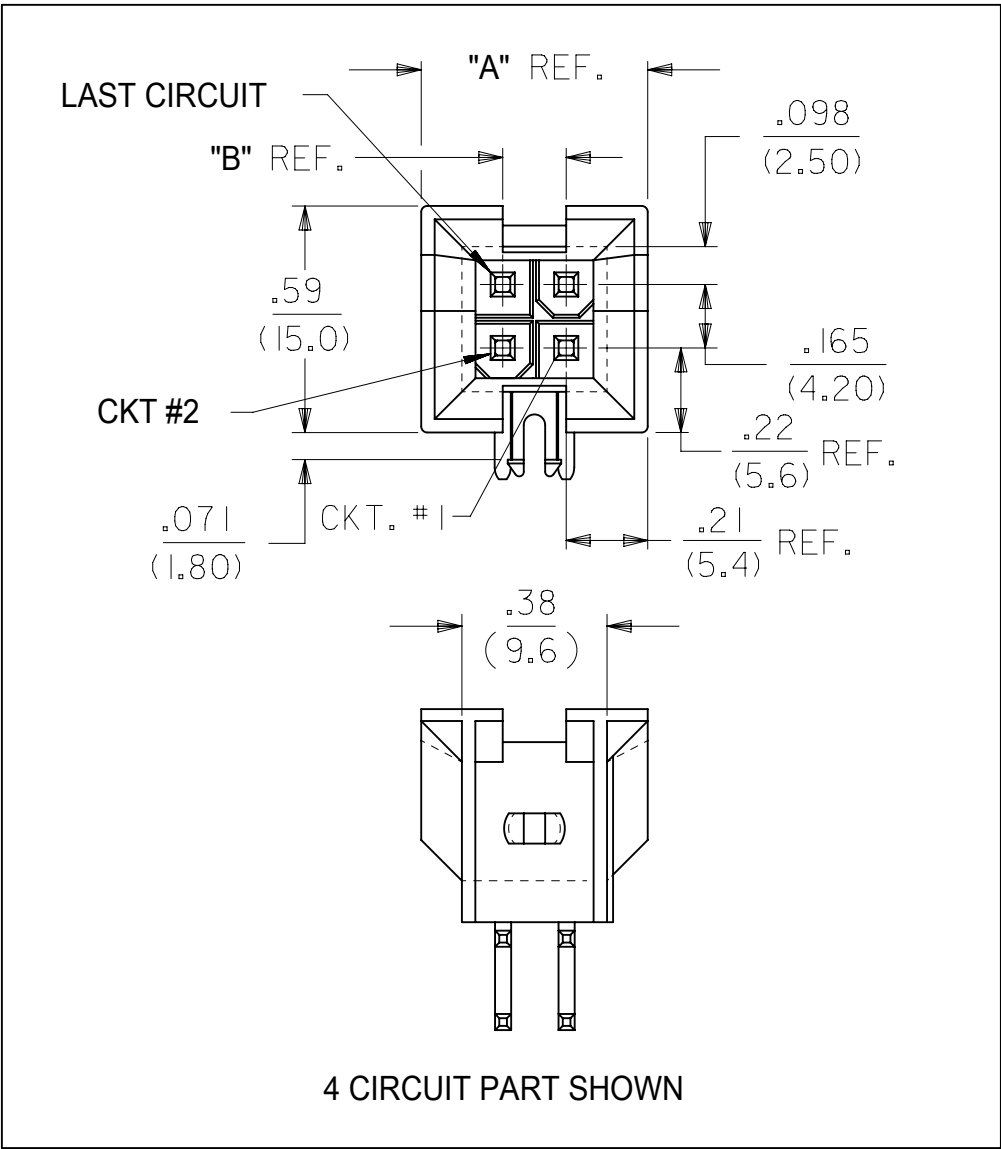


A-44499-\*

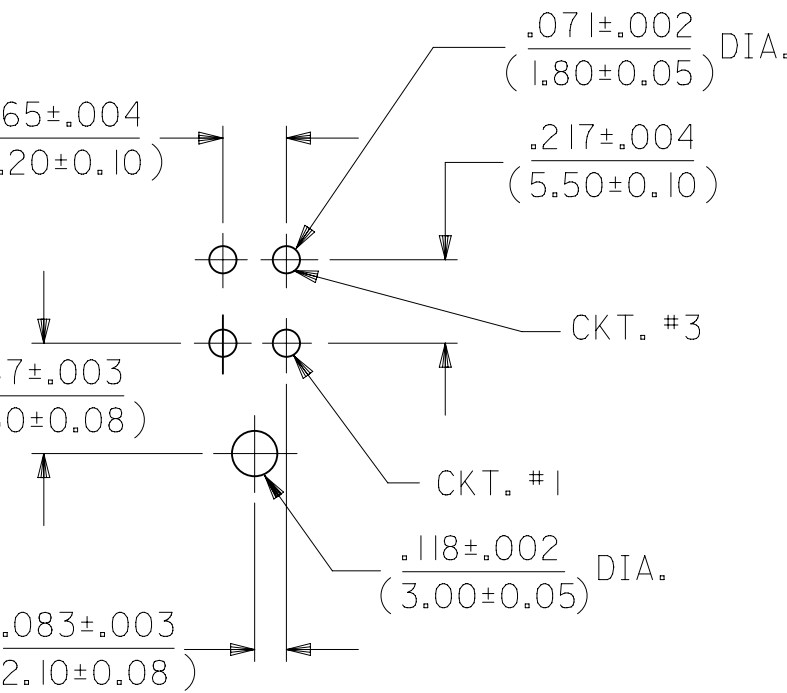
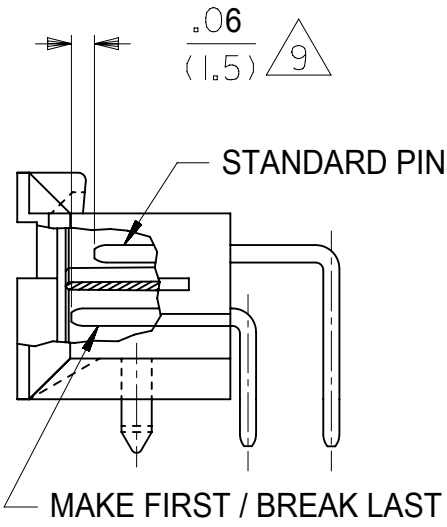
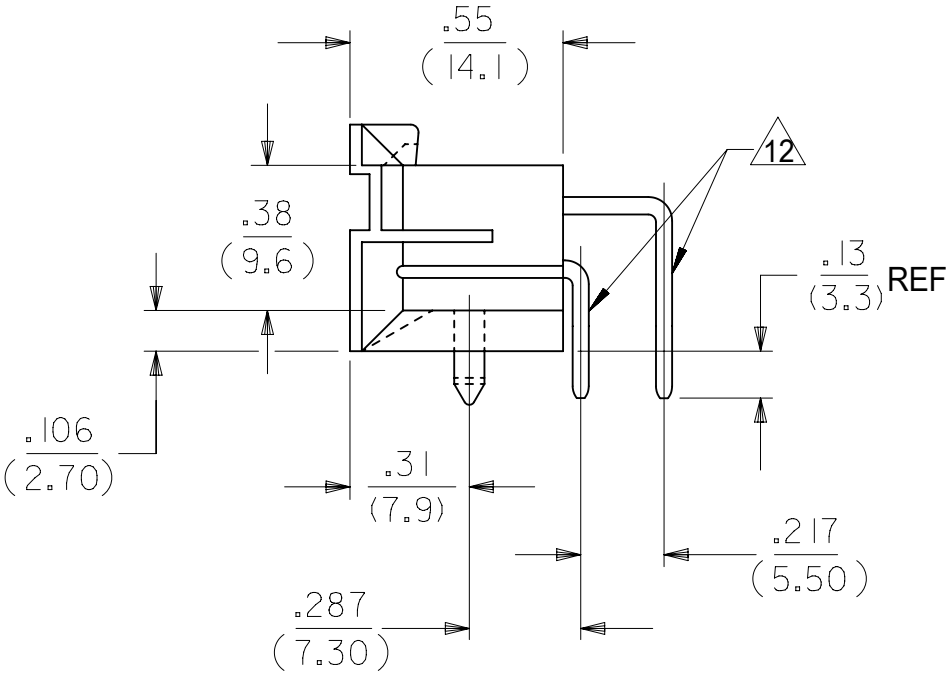
#### NOTES:

- 1) MATERIAL:  
HOUSING: "A" = NYLON 6/6, UL 94V-2, COLOR: NATURAL  
"B" = NYLON 6/6, UL 94V-0, COLOR: NATURAL  
TERMINALS: BRASS
- 2) TERMINAL PLATING:  
C = .000030/(.00076) MIN. SELECT GOLD AND  
.000100/(.00254) MIN. MATTE TIN OVER  
.000050/(.00127) MIN. NICKEL OVERALL.  
D = .000100/(.00254) MIN. MATTE TIN OVER  
.000050/(.00127) MIN. NICKEL OVERALL.
- 3) PRODUCT SPECIFICATION: PS-5556-002
- 4) PACKAGING: TRAY PACKED PER MOLEX SPECIFICATION PK-42404-002.
- 5) PART MATES WITH MINI-FIT JR. RECEPTACLE 5557, 42385, 42474 AND 44516. 2 CIRCUIT PARTS MATE WITH 42385, 42474, AND 44516 ONLY.
- 6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
- 7) PART IS NOT DESIGNED FOR CURRENT SHARING.
- 8) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
- 9) CIRCUITS SHOWN PROVIDE THE "MAKE-FIRST/BREAK-LAST" FEATURE.
- 10) PART CONFORMS TO CLASS B OF COSMETIC SPECIFICATION PS-45499-002.
- 11) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
- 12) FORMING MARKS ARE ACCEPTABLE

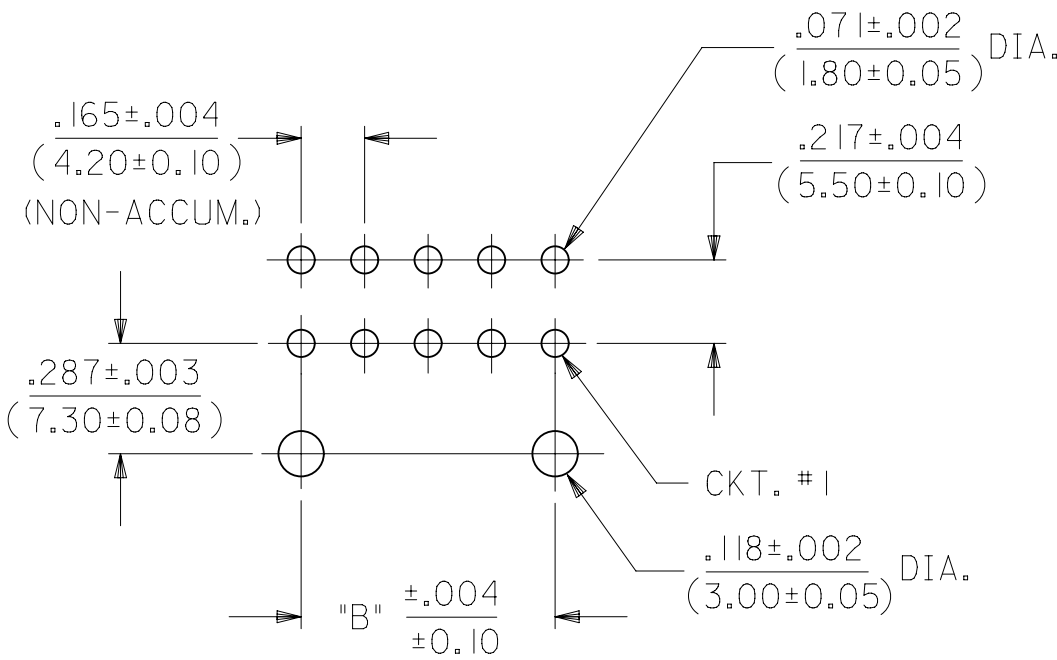
THIS DRAWING  
REPLACES SDA-44499-X



4 CIRCUIT PART SHOWN



4 CIRCUIT PCB LAYOUT  
RECOMMENDED HOLE LAYOUT FOR  
.070/(1.78) MAX. THICK P.C. BOARD  
VIEWED FROM COMPONENT SIDE



RECOMMENDED HOLE LAYOUT FOR  
.070/(1.78) MAX. THICK P.C. BOARD  
VIEWED FROM COMPONENT SIDE

| SYMBOLS                                                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |         |       |                                                                                                      |                 |                                                                            |                  |          |  |              |  |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------|-------|------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------|------------------|----------|--|--------------|--|
|  = 0 | DIMENSION UNITS                                                                                                                               |  | SCALE   |       | CURRENT REV DESC: ADDED PT. #444990132                                                               |                 |                                                                            | <div>molex</div> |          |  |              |  |
|                                                                                           | INCH/MM                                                                                                                                       |  | 2:1     |       |                                                                                                      |                 |                                                                            |                  |          |  |              |  |
|  = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |         |       | EC NO: 623458<br>DRWN: DSTEIER 2019/08/29<br>CHK'D: JCOMERCI 2019/09/06<br>APPR: JCOMERCI 2019/09/06 |                 |                                                                            |                  |          |  |              |  |
|  = 0 |                                                                                                                                               |  |         |       |                                                                                                      |                 |                                                                            |                  |          |  |              |  |
|  = 0 |                                                                                                                                               |  | MM      |       | INCH                                                                                                 |                 | PRODUCT CUSTOMER DRAWING                                                   |                  |          |  |              |  |
|                                                                                           | 4 PLACES                                                                                                                                      |  | ±       | ±     |                                                                                                      |                 |                                                                            |                  |          |  |              |  |
|  = 0 | 3 PLACES                                                                                                                                      |  | ±       | ±     | 0.01                                                                                                 |                 | INITIAL REVISION:<br>DRWN: DSTEIER 2019/08/29<br>APPR: JCOMERCI 2019/09/06 |                  |          |  |              |  |
|                                                                                           | 2 PLACES                                                                                                                                      |  | ±       | 0.25  | ±                                                                                                    | 0.015           |                                                                            |                  |          |  |              |  |
|  = 0 | 1 PLACE                                                                                                                                       |  | ±       | 0.38  | ±                                                                                                    |                 | DOCUMENT NUMBER<br>444990000-SD                                            |                  |          |  |              |  |
|                                                                                           | 0 PLACES                                                                                                                                      |  | ±       | ±     |                                                                                                      |                 |                                                                            |                  |          |  |              |  |
|  = 0 | ANGULAR TOL                                                                                                                                   |  | ±       | 0.5 ° |                                                                                                      | DOC TYPE<br>PSD |                                                                            |                  |          |  |              |  |
|                                                                                           | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |         |       |                                                                                                      |                 |                                                                            |                  |          |  |              |  |
|  = 0 | THIRD ANGLE PROJECTION                                                                                                                        |  | DRAWING |       | SERIES                                                                                               |                 | MATERIAL NUMBER                                                            |                  | CUSTOMER |  | SHEET NUMBER |  |
|                                                                                           |                                                          |  | C-SIZE  |       | 44499                                                                                                |                 | SEE CHART                                                                  |                  |          |  | 1 OF 3       |  |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2019/09/06 | 13:29:40 |
|-----------------|----|--------------|------------|----------|
|-----------------|----|--------------|------------|----------|

11

10

9

8

7

6

5

4

3

2

1

| 12         |           | 11                         |                                                                                                   | 10 |    | 9  |    | 8  |    | 7  |    | 6  |    | 5  |    |    |    |    |    |    |    |    |    |    |    |    |
|------------|-----------|----------------------------|---------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| ITEM NO.   | CKT. SIZE | CHARACTERISTIC DESCRIPTION | LETTER INDICATES PIN PLATING AND LENGTH REQUIRED AT EACH CIRCUIT LOCATION. SEE NOTE 2 ON SHEET 1. |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|            |           |                            | 1                                                                                                 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 44499-0005 | 24        | 24BC                       | CM                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CS | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM |
| 44499-0006 | 04        | 04BC                       | CS                                                                                                | CM | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0027 | 10        | 10BD                       | DS                                                                                                | DM | DM | DM | DM | DM | DM | DM | DM | DM | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0029 | 24        | 24BD                       | DM                                                                                                | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM |
| 44499-0036 | 24        | 24BD                       | DS                                                                                                | DS | DM | DM | DS | DS | DM | DS | DS | DS | DS | DS | DS | DM | DM | DM | DS | DS | DS | DS | DS | DM | DS | DS |
| 44499-0041 | 14        | 14AD                       | DS                                                                                                | DS | DS | V  | DS | DS | DS | DM | DS | DS | V  | DS | DS | DM | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0042 | 10        | 10BC                       | CS                                                                                                | CS | CS | CS | CS | CS | CS | CS | CS | CM | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0049 | 24        | 24AD                       | DM                                                                                                | DM | DM | DM | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS |
| 44499-0055 | 10        | 10BC                       | CS                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0061 | 06        | 06BD                       | DM                                                                                                | DM | DM | DM | DM | DM | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0065 | 24        | 24BC                       | CS                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | DS | CM | CM | CM | CM | CM | CM | CM | CS | CM |
| 44499-0066 | 18        | 18BD                       | DS                                                                                                | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DM | DS | DS | DS | DM | -  | -  | -  | -  | -  | -  |
| 44499-0072 | 18        | 18BC                       | CS                                                                                                | CS | CS | CM | CM | CM | CM | CM | CS | CS | CM | CM | CM | CM | CM | CM | CM | CS | -  | -  | -  | -  | -  | -  |
| 44499-0073 | 06        | 06BC                       | CS                                                                                                | CM | CM | CM | CM | CM | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0075 | 18        | 18AD                       | DM                                                                                                | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DM | -  | -  | -  | -  | -  | -  |
| 44499-0078 | 18        | 18BC                       | CS                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | -  | -  | -  | -  | -  | -  |
| 44499-0089 | 10        | 10BC                       | CS                                                                                                | CS | CM | CS | CS | CM | CM | CM | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0090 | 24        | 24BD                       | DS                                                                                                | DS | DM | DM | DM | DS | DS | DS | DS | DM | DS | DS | DS | DS | DS | DM | DS | DS | DS | DS | DS | DM | DM | DS |
| 44499-0092 | 04        | 04BD                       | DS                                                                                                | DM | DM | DS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0093 | 04        | 04BC                       | CS                                                                                                | CM | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0094 | 18        | 18BC                       | CM                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CS | CM | -  | -  | -  | -  | -  | -  |
| 44499-0095 | 18        | 18BC                       | CM                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | CS | CM | CM | CM | CM | CM | CM | CM | -  | -  | -  | -  | -  | -  |
| 44499-0096 | 24        | 24AD                       | DM                                                                                                | DM | V  | DM | DM | V  | DM | DM | DM | DM | DM | DM | DM | DM | V  | DM | DM | V  | DM | DM | DM | DM | DM | DM |
| 44499-0097 | 14        | 14BC                       | CM                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0099 | 24        | 24BC                       | CM                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CS |
| 44499-0100 | 24        | 24BC                       | CS                                                                                                | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CS | CM | CS | CM | CS | CM | CS | CM | CS | CM | CS |
| 44499-0101 | 14        | 14BC                       | CM                                                                                                | CS | CM | CM | CS | CM | CM | CM | CM | CM | CM | CM | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0102 | 24        | 24BC                       | CM                                                                                                | CM | CS | CS | CS | CS | CS | CS | CS | CS | CM | CM | CM | CM | CS | CS | CS | CS | CS | CS | CS | CS | CM | CM |
| 44499-0103 | 24        | 24AD                       | DM                                                                                                | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DS | DM |
| 44499-0104 | 24        | 24BC                       | CM                                                                                                | CS | CM | CS | CM | CS | CM | CS | CM | CS | CM | CS | CS | CS | CM | CM | CS | CM | CM | CM | CM | CS | CM | CM |
| 44499-0105 | 16        | 16BC                       | CM                                                                                                | CS | CS | CS | CS | CS | CS | CS | CS | CS | CS | CS | CS | CS | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0106 | 08        | 08BC                       | CS                                                                                                | CS | CM | CS | CS | CS | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0107 | 24        | 24AD                       | DM                                                                                                | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM |
| 44499-0108 | 14        | 14BC                       | CS                                                                                                | CS | CS | CS | CS | CS | CM | CS | CS | CS | CS | CS | CS | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0109 | 24        | 24BC                       | CM                                                                                                | CS | CS | CM | CS | CS | CS | CS | CS | CS | CS | CS | CM | CS | CS | CM | CS | CS | CS | CS | CS | CS | CS | CS |
| 44499-0111 | 06        | 06BC                       | CM                                                                                                | CS | CS | CM | CS | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |
| 44499-0112 | 24        | 24BC                       | CS                                                                                                | CM | CM | CS | CS | CS | CS | CS | CS | CS | CS | CS | CM | CM | CS | CS | CS | CS | CS | CS | CS | CS | CS | CS |

CHARACTERISTICS LEGEND:

## CIRCUIT SIZE

(02-24)

HOUSING MATERIAL

A = NYLON 6/6, U.L. 94V-2,  
COLOR: NATURAL

B = NYLON 6/6, U.L. 94V-0,  
COLOR: NATURAL

## TERMINAL PLATING

C = SELECT GOLD  
D = MATTE TIN OVERALL

\* = MIXED TIN AND GOLD

|                                          |     |                                                                                                                                               |  |                                        |  |                                                                            |  |                                                                                                      |  |                        |  |                                                                           |          |          |  |                 |  |          |  |              |  |
|------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--|----------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|------------------------|--|---------------------------------------------------------------------------|----------|----------|--|-----------------|--|----------|--|--------------|--|
| SYMBOLS                                  |     | 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: ADDED PT. #444990132 |  |                                                                            |  | <div>molex</div>                                                                                     |  |                        |  |                                                                           |          |          |  |                 |  |          |  |              |  |
| INCH/MM                                  |     | 2:1                                                                                                                                           |  |                                        |  |                                                                            |  |                                                                                                      |  |                        |  |                                                                           |          |          |  |                 |  |          |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |     |                                                                                                                                               |  |                                        |  |                                                                            |  | EC NO: 623458<br>DRWN: DSTEIER 2019/08/29<br>CHK'D: JCOMERCI 2019/09/06<br>APPR: JCOMERCI 2019/09/06 |  |                        |  | SELECTIVELY-LOADED<br>RT ANGLE DUAL ROW HEADER<br>(MATE-FIRST/BREAK-LAST) |          |          |  |                 |  |          |  |              |  |
|                                          |     |                                                                                                                                               |  |                                        |  |                                                                            |  |                                                                                                      |  |                        |  |                                                                           |          |          |  |                 |  |          |  |              |  |
|                                          | = 0 | MM                                                                                                                                            |  | INCH                                   |  | INITIAL REVISION:<br>DRWN: DSTEIER 2019/08/29<br>APPR: JCOMERCI 2019/09/06 |  |                                                                                                      |  | DOCUMENT NUMBER        |  | DOC TYPE                                                                  | DOC PART | REVISION |  |                 |  |          |  |              |  |
|                                          | = 0 | ±                                                                                                                                             |  | ±                                      |  |                                                                            |  |                                                                                                      |  |                        |  |                                                                           |          |          |  |                 |  |          |  |              |  |
|                                          | = 0 | ± 0.01                                                                                                                                        |  | ± 0.01                                 |  |                                                                            |  |                                                                                                      |  | 444990000-SD           |  | PSD                                                                       | 000      | A        |  |                 |  |          |  |              |  |
|                                          | = 0 | ± 0.25 ± 0.015                                                                                                                                |  | ± 0.38 ±                               |  |                                                                            |  |                                                                                                      |  |                        |  |                                                                           |          |          |  |                 |  |          |  |              |  |
|                                          | = 0 | 0 PLACES ±                                                                                                                                    |  | ANGULAR TOL ± 0.5 °                    |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                 |  |                                                                                                      |  | THIRD ANGLE PROJECTION |  | DRAWING                                                                   |          | SERIES   |  | MATERIAL NUMBER |  | CUSTOMER |  | SHEET NUMBER |  |
|                                          | = 0 |                                                                                                                                               |  |                                        |  |                                                                            |  |                                                                                                      |  |                        |  |                                                                           |          |          |  |                 |  |          |  |              |  |
|                                          | = 0 |                                                                                                                                               |  |                                        |  | C-SIZE                                                                     |  |                                                                                                      |  | 44499                  |  | SEE CHART                                                                 |          |          |  | 2 OF 3          |  |          |  |              |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2019/09/06 | 13:29:40 |
|-----------------|----|--------------|------------|----------|

