

| 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-\*



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

- NOTES:
- MATERIAL:  
 HOUSING: "A" = NYLON 6/6, UL 94V-2, COLOR: NATURAL  
 "B" = NYLON 6/6, UL 94V-0, COLOR: NATURAL  
 TERMINALS: BRASS
  - 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.
  - PRODUCT SPECIFICATION: PS-5556-002
  - PACKAGING: TRAY PACKED PER MOLEX SPECIFICATION PK-42404-002.
  - PART MATES WITH MINI-FIT JR. RECEPTACLE 5557, 42385, 42474 AND 44516. 2 CIRCUIT PARTS MATE WITH 42385, 42474, AND 44516 ONLY.
  - PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.
  - PART IS NOT DESIGNED FOR CURRENT SHARING.
  - CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
  - CIRCUITS SHOWN PROVIDE THE "MAKE-FIRST/BREAK-LAST" FEATURE.
  - PART CONFORMS TO CLASS B OF COSMETIC SPECIFICATION PS-45499-002.
  - 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.
  - FORMING MARKS ARE ACCEPTABLE

|  |   |  |                       |                          |                             |              |                        |                        |   |
|--|---|--|-----------------------|--------------------------|-----------------------------|--------------|------------------------|------------------------|---|
| ADD 4499-0066<br>EC NO: UCP2015-3172<br>DRWINGB 2015/02/05<br>CHKD:IBELL 2015/02/05<br>APPR:FSMITH 2015/02/18<br>D17 | QUALITY SYMBOLS<br>$\nabla = 0$<br>$\nabla = 0$<br>$\nabla = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED)                |                       | DIMENSION STYLE<br>IN/MM |                             | SCALE<br>2:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |   |
|  |   | 4 PLACES ± --- ± ---                                 | 3 PLACES ± --- ± .010 | 2 PLACES ± 0.25 ± .015   | 1 PLACE ± 0.38 ± ---        | 0 PLACE ± ±  | DRAWN BY<br>AFG        | DATE<br>1994/09/13     | SELECTIVELY-LOADED<br>RT ANGLE DUAL ROW HEADER<br>(MATE-FIRST/BREAK-LAST)<br><b>molex</b><br>SDA-44499-*<br>SHEET NO.<br>1 OF 3 |
|  |   | ANGULAR ±1/2°  |                       |                          |                             |              | CHECKED BY<br>RJF      | DATE<br>1994/09/13     |   |
|  |   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                       |                          |                             |              | APPROVED BY<br>FSMITH  | DATE<br>2011/08/03     |   |
| MATERIAL NO.<br>SEE CHART  |   |  |                       |                          | DOCUMENT NO.<br>SDA-44499-* |              |                        |                        |   |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



| 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 |
| 44499-0113 | 24        | 24BD                       | DS  | V  | DS | V  | DS | V  | DS | V  | V  | DS | DS | DS | V  | DS | V  | DS | V  | DS | V  | V  | DS | DS | DS |    |
| 44499-0114 | 14        | 14BD                       | DS  | V  | DS | V  | DS | V  | DS | DS | V  | DS | V  | DS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |    |
| 44499-0115 | 18        | 18BD                       | DS  | V  | V  | DS | V  | V  | DS | DS | DS | DS | V  | V  | DS | V  | V  | DS | DS | DS | -  | -  | -  | -  | -  |    |
| 44499-0116 | 04        | 04BD                       | DS  | DS | DM | DM | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |    |    |
| 44499-0117 | 10        | 10BD                       | DM  | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM |    |
| 44499-0118 | 14        | 14BD                       | DM  | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM | DM |    |
| 44499-0119 | 14        | 14BC                       | CM  | CM | CM | CM | CS | CM | CS | CM | CM | CM | CM | CM | CM | CM | CM | CS | -  | -  | -  | -  | -  | -  | -  |    |
| 44499-0120 | 14        | 14BC                       | CM  | CM | CM | CM | CS | CM | CM | CM | CM | CM | CM | CM | CS | CM | CM | -  | -  | -  | -  | -  | -  | -  | -  |    |
| 44499-0121 | 10        | 10BC                       | CM  | CS | CS | CS | CS | CM | CS | CS | CS | CS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |    |    |
| 44499-0122 | 18        | 18BC                       | CM  | CM | CM | CM | CM | CM | CM | CM | CM | CM | CM | CS | CS | CM | CM | CM | CM | CM | -  | -  | -  | -  | -  |    |
| 44499-0123 | 10        | 10BD                       | DS  | V  | DS | V  | DS | DS | V  | DS | V  | DS | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  | -  |    |    |
| 44499-0124 | 14        | 14BC                       | CM  | CM | CM | CM | CM | CM | CM | CM | CS | CM | CM | CS | CM | CM | -  | -  | -  | -  | -  | -  | -  | -  |    |    |
| 44499-0125 | 14        | 14BC                       | CM  | CM | CM | CM | CS | CM | CM | CM | CS | CM | CM | CM | CM | CM | -  | -  | -  | -  | -  | -  | -  | -  |    |    |
| 44499-0126 | 14        | 14BC                       | CM  | CM | CM | CM | CS | CM | CM | CM | CM | CM | CS | CS | CM | CM | -  | -  | -  | -  | -  | -  | -  | -  |    |    |
| 44499-0127 | 18        | 18BD                       | DM  | DM | DM | DM | DM | DS | DS | DM | DS | DM | DM | DM | DM | DM | DM | DM | DM | DM | -  | -  | -  | -  | -  |    |
| 44499-0128 | 14        | 14BC                       | CM  | CM | CM | CS | CS | CM | CS | CM | CM | CM | CS | CM | CM | CS | -  | -  | -  | -  | -  | -  | -  | -  |    |    |
| 44499-0129 | 14        | 14BD                       | DM  | DM | DM | DS | DS | DM | DS | DM | DM | DM | DS | DS | DM | DS | -  | -  | -  | -  | -  | -  | -  | -  |    |    |

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

TERMINAL PLATING AND LENGTH CODE

CS = SELECT GOLD, STANDARD LENGTH  
 DS = MATTE TIN, STANDARD LENGTH  
 CM = SELECT GOLD, MATE-FIRST/BREAK-LAST (LONGER)  
 DM = MATTE TIN, MATE-FIRST/BREAK-LAST (LONGER)  
 V = VOID CIRCUIT

|   |  |                                       |  |   |              |                        |
|---|--|---------------------------------------|--|---|--------------|------------------------|
| <b>SEE SHEET 1</b><br>EC NO: UCP2015-3172<br>DRWNG: 2015/02/05<br>CHKD: JBELL 2015/02/05<br>APPR: FSMITH 2015/02/18 | QUALITY SYMBOLS                                      | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE  | SCALE   | DESIGN UNITS | THIRD ANGLE PROJECTION |
|   | ▽=0  | mm INCH                               | IN/MM  | 1:1   | METRIC       |                        |
|   | ▽=0  | 4 PLACES ± --- ± ---                  | DRAWN BY DATE  | TITLE   |              |                        |
|   | ▽=0  | 3 PLACES ± --- ±.010                  | AFG 1994/09/13   | SELECTIVELY-LOADED RT ANGLE DUAL ROW HEADER (MATE-FIRST/BREAK-LAST) |              |                        |
|   | 2 PLACES ±0.25 ±.015                                 | CHECKED BY DATE                       | molex  |   |              |                        |
|   | 1 PLACE ±0.38 ± ---                                  | RJF 1994/09/13                        | SDA-44499-*  |   |              |                        |
|   | 0 PLACE ± ±  | APPROVED BY DATE                      | SHEET NO. 3 OF 3   |   |              |                        |
|   | ANGULAR ±1/2°  | FSMITH 2011/08/03                     | INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |              |                        |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO.                          |  |   |              |                        |
|   |  | SIZE                                  |  |   |              |                        |

## Данный компонент на территории Российской Федерации

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