

## Excellent Integrated System Limited

Stocking Distributor

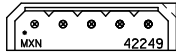
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0022436075](#)

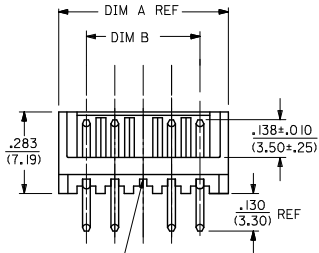
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

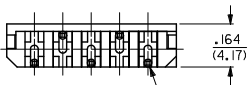
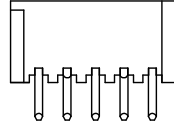
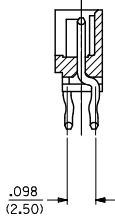
| NO. OF CKTS. | KINK LOC. | DIM A IN/(MM) | DIM B IN/(MM) |
|--------------|-----------|---------------|---------------|
| 2            | ALL PINS  | .292/(7.42)   | .098/(2.50)   |
| 3            | ALL PINS  | .391/(9.92)   | .197/(5.00)   |
| 4            | ALL PINS  | .489/(12.42)  | .295/(7.50)   |
| 5            | ALL PINS  | .587/(14.92)  | .394/(10.00)  |
| 6            | ALL PINS  | .685/(17.40)  | .492/(12.50)  |
| 7            | ALL PINS  | .783/(19.90)  | .591/(15.00)  |
| 8            | ALL PINS  | .882/(22.40)  | .689/(17.50)  |
| 9            | ALL PINS  | .980/(24.90)  | .787/(20.00)  |
| 10           | ALL PINS  | 1.079/(27.40) | .886/(22.50)  |
| 11           | ALL PINS  | 1.177/(29.90) | .984/(25.00)  |
| 12           | ALL PINS  | 1.276/(32.40) | 1.083/(27.50) |
| 13           | ALL PINS  | 1.374/(34.90) | 1.181/(30.00) |
| 14           | ALL PINS  | 1.472/(37.40) | 1.280/(32.50) |
| 15           | ALL PINS  | 1.571/(39.90) | 1.378/(35.00) |



SQUARE CORNER IS CKT I IDENTIFIER



OPTIONAL VOIDED CIRCUIT - SEE CHART FOR LOCATION - SEE NOTE 5



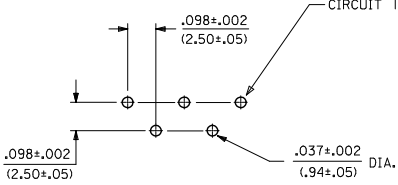
CIRCUIT I

NOTES:

- 1) MATERIAL: HEADER : GLASS-FILLED POLYESTER, UL94V-0, COLOR: WHITE  
PIN : BRASS.
- 2) FINISH: (154) ---.000100/(0.00254) MIN. TIN OVER  
.000050/(0.00127) MIN. NICKEL UNDERPLATE.
- 3) PRODUCT SPECS: PS-42219-0001.
- 4) PACKAGING SPECIFICATION: PK-42249-0001.
- 5) ANY VOID COMBINATION LEAVING PINS IN ONE ROW ONLY IS NOT AN AVAILABLE OPTION. THE RESULTS WOULD BE MINIMAL BOARD RETENTION.
- 6) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

A-42249-N\*-\*-\*

NO. OF CKTS. PART  
COLOR: A = WHITE BLANK = STANDARD  
SP = SPECIAL  
VOID LOCATION



PCB HOLE LAYOUT: COMPONENT SIDE  
RECOMMENDED PCB THICKNESS: .062 (1.57)

| REMOVE COLOR OPT.<br>REC NO: UCP2014-2718<br>DRAWN: KIPPER 2014/01/06<br>CHKD: BELL 2014/01/07<br>APPR: SMITH 2014/01/13<br>S3 | QUALITY SYMBOLS<br> | GENERAL TOLERANCES (UNLESS SPECIFIED)   |      | DIMENSION STYLE IN/MM          |    | SCALE 4:1        | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION  |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
|--|---------------------|---|------|--------------------------------|----|------------------|---------------------|---|------|----------|------|-------|----------|-------|-------|---------|-------|------|---------|---|---|---------------------------|--|---|--|--|
|  |                     | <table border="1"> <tr><th></th><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr> <tr><td>3 PLACES</td><td>±---</td><td>±.010</td></tr> <tr><td>2 PLACES</td><td>±0.25</td><td>±.015</td></tr> <tr><td>1 PLACE</td><td>±0.38</td><td>±---</td></tr> <tr><td>0 PLACE</td><td>±</td><td>±</td></tr> </table> |      |                                | mm | INCH             | 4 PLACES            | ±---  | ±--- | 3 PLACES | ±--- | ±.010 | 2 PLACES | ±0.25 | ±.015 | 1 PLACE | ±0.38 | ±--- | 0 PLACE | ± | ± | DRAWN BY RE DATE 12/17/88 |  | TITLE 2.5 MM HEADER ASSEMBLY (STAGGERED PINS) |  |  |
|  |                     |   | mm   | INCH                           |    |                  |                     |   |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
|  |                     | 4 PLACES  | ±--- | ±---                           |    |                  |                     |   |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
| 3 PLACES   | ±---                | ±.010   |      |                                |    |                  |                     |   |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
| 2 PLACES   | ±0.25               | ±.015   |      |                                |    |                  |                     |   |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
| 1 PLACE  | ±0.38               | ±---  |      |                                |    |                  |                     |   |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
| 0 PLACE  | ±                   | ±   |      |                                |    |                  |                     |   |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
| ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |                     | CHECKED BY WRL DATE 12/17/88  |      | APPROVED BY LENZ DATE 12/17/88 |    |                  |                     |   |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |
|  |                     | MATERIAL NO. SEE CHART  |      | DOCUMENT NO. SDA-42249-*       |    | SHEET NO. 1 OF * |                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |      |          |      |       |          |       |       |         |       |      |         |   |   |                           |  |   |  |  |

| <b>A-42249-NA-*</b> |             |                |           | <b>A-422649-NA-*</b> |             |                |            |     |             |                |           |  |  |  |
|---------------------|-------------|----------------|-----------|----------------------|-------------|----------------|------------|-----|-------------|----------------|-----------|--|--|--|
| OPTIONS             | HOUSING     | 42249-N        |           |                      | OPTIONS     | HOUSING        | 42249-N    |     |             | OPTIONS        | HOUSING   |  |  |  |
|                     | COLOR       | WHITE          |           |                      |             | COLOR          | WHITE      |     |             |                | COLOR     |  |  |  |
|                     | PIN NO      | 45613-0001     |           |                      |             | PIN NO         | 45613-0001 |     |             |                | PIN NO    |  |  |  |
|                     | PLATING     | 154            |           |                      |             | PLATING        | 154        |     |             |                | PLATING   |  |  |  |
| Ckt                 | Material No | Engineering No | Void Ckts | Ckt                  | Material No | Engineering No | Void Ckts  | Ckt | Material No | Engineering No | Void Ckts |  |  |  |
| 2                   | 22-43-6020  | A-42249-2A     |           | 3                    | 22-43-6032  | A-42249-3A-3   | 3          | 2   |             |                |           |  |  |  |
| 3                   | 22-43-6030  | A-42249-3A     |           | 4                    | 22-43-6041  | A-42249-4A-2   | 2          | 3   |             |                |           |  |  |  |
| 4                   | 22-43-6040  | A-42249-4A     |           | 4                    | 22-43-6042  | A-42249-4A-3   | 3          | 4   |             |                |           |  |  |  |
| 5                   | 22-43-6050  | A-42249-5A     |           | 6                    | 022-43-6065 | A-42249-06A-2  | 2          | 5   |             |                |           |  |  |  |
| 6                   | 22-43-6060  | A-42249-6A     |           | 6                    | 022-43-6061 | A-42249-06A-5  | 5          | 6   |             |                |           |  |  |  |
| 7                   | 22-43-6070  | A-42249-7A     |           | 6                    | 22-43-6063  | A-42249-6A-51  | 3,5        | 7   |             |                |           |  |  |  |
| 8                   | 22-43-6080  | A-42249-8A     |           | 6                    | 22-43-6064  | A-42249-6A-52  | 2,4        | 8   |             |                |           |  |  |  |
| 9                   | 22-43-6090  | A-42249-9A     |           | 7                    | 022-43-6072 | A-42249-07A-3  | 3          | 9   |             |                |           |  |  |  |
| 10                  | 22-43-6100  | A-42264910A    |           | 7                    | 022-43-6074 | A-42249-07A-5  | 5          | 10  |             |                |           |  |  |  |
| 11                  | 22-43-6110  | A-42249-11A    |           | 7                    | 022-43-6073 | A-42249-07A-51 | 2,5        | 11  |             |                |           |  |  |  |
| 12                  | 22-43-6120  | A-42249-12A    |           | 7                    | 022-43-6075 | A-42249-07A-52 | 3,6        | 12  |             |                |           |  |  |  |
| 13                  | 22-43-6130  | A-42249-13A    |           |                      |             |                |            | 13  |             |                |           |  |  |  |
| 14                  | 22-43-6140  | A-42249-14A    |           |                      |             |                |            | 14  |             |                |           |  |  |  |
| 15                  | 22-43-6150  | A-42249-15A    |           |                      |             |                |            | 15  |             |                |           |  |  |  |

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|  |   |   |                               |
|--|---|---|-------------------------------|
| REV: <b>S3</b>                         | ECR/ECN INFORMATION<br>EC NO: UCP2014-2718<br>DATE: 1/15/2014 | TITLE: <b>2.5 MM HEADER ASSEMBLY<br/>(STAGGERED PINS)</b> | SHEET No. <b>- 2 -</b>        |
| DOCUMENT NUMBER:<br><b>SDA-42249-*</b> | CREATED / REVISED BY:<br><b>MKIPPER</b>                       | CHECKED BY:<br><b>JBELL</b>                               | APPROVED BY:<br><b>FSMITH</b> |