

## Excellent Integrated System Limited

Stocking Distributor

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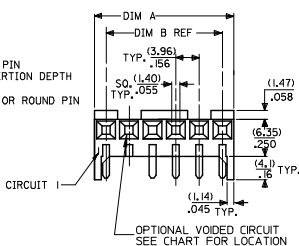
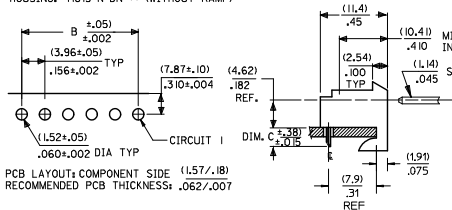
[Molex Connector Corporation](#)  
[0009482113](#)

For any questions, you can email us directly:

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

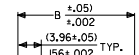
## RIGHT ANGLE

HOUSING: 41815-N-AN-\*\* (WITH RAMP)  
HOUSING: 41815-N-DN-\*\* (WITHOUT RAMP)

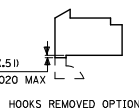
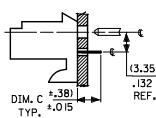
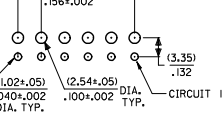


| DIM. B   | DIM. A     | NO. OF CKTS |
|----------|------------|-------------|
| (3.96)   | (7.82,25)  | 2           |
| .156     | .308±0     | 2           |
| (.732)   | (11.79,25) | 2           |
| .371     | .464±0     | 4           |
| (11.89)  | (5.15,75)  | 5           |
| .468     | .620±0     | 4           |
| (.15,85) | (19.17,25) | 5           |
| .624     | .776±0     | 5           |
| (.08,18) | (32.67,25) | 2           |
| .372     | .832±0     | 2           |
| (23.77)  | (27.64,30) | 1           |
| .936     | 1.088±0    | 7           |
| (27.74)  | (31.60,25) | 1           |
| .828     | 1.212±0    | 2           |
| (31.70)  | (35.56,30) | 9           |
| 1.248    | 1.400±0    | 10          |
| (35.66)  | (39.52,30) | 9           |
| 1.594    | 1.556±0    | 10          |
| (39.62)  | (43.48,30) | 10          |
| 1.960    | 1.712±0    | 11          |
| (43.75)  | (47.45,30) | 10          |
| 2.316    | 1.868±0    | 12          |
| (47.59)  | (51.41,30) | 13          |
| 2.672    | 2.024±0    | 12          |
| (51.51)  | (55.37,36) | 14          |
| 3.028    | 2.180±0    | 14          |
| (55.47)  | (59.33,36) | 15          |

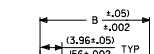
BOTTOM ENTRY



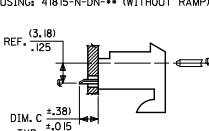
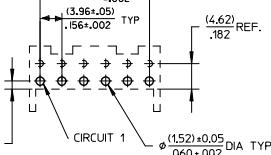
HOUSING: 41815-N-AN-.. (WITH RAMP)  
HOUSING: 41815-N-DN-.. (WITHOUT RAMP)



## TOP ENTRY



HOUSING: 41815-N-AN-\*\* (WITH RAMP)  
HOUSING: 41815-N-DN-\*\* (WITHOUT RAMP)



PCB LAYOUT: COMPONENT SIDE (1.57/.18)  
RECOMMENDED PCB THICKNESS: .062/.007

## NOTES:

1. MATERIAL: HOUSING: POLYESTER, RATED UL 94V-0, COLOR: NATURAL (WHITE)  
2. FINISH:

(197) = OVERALL REFLOWED MATTE TIN: 0.00152/0.000060 MIN  
OVER 0.00127/0.000050 MIN NICKEL

OVER 0.00127/.000050 MIN NICKEL.  
(208) - SELECT GOLD: 0.00038/.000015 MIN

SELECT TIN: 0.00254/.000100 MIN.

OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.

```
(228) = SELECT GOLD: 0.00076/0.000030 MIN.  
SELECT TIN: 0.00254/0.00100 MIN.
```

OVERALL NICKEL UNDERPLATE: 0.0

(909) - OVERALL TIN: 0.00  
ICT SPECIFICATION: RS 08 50

4. PACKAGING: SEE CHARTS

5. FOR TOP ENTRY AND RIGHT ANGLE ASSEMBLIES WITH LOWER INSERTION FORCE USE SINGLE BEAM CONTACT (TERMINAL NO. 104)

6. SOLDERABILITY: WHEN PARTS ARE SOLDERED AT A TEMPERATURE OF 230°C (446°F) FOR 5 SECONDS EACH SOLDERED SURFACE SHALL BE A MINIMUM OF 95% COVERED WITH A SMOOTH CONTINUOUS ADHERENT COATING. FOR ADDITIONAL INFORMATION SEE SMES-152

7. PARTS ARE STACKABLE END TO END ON (3.96)/.156 CENTERLINE.

8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.

|                                                                                                                     |                    |                                                                                                                                      |                                       |                     |                          |                  |                                                                                          |                      |                           |
|---------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------|--------------------------|------------------|------------------------------------------------------------------------------------------|----------------------|---------------------------|
| ADD 41815-0687<br>EC NO: UCP2015-1357<br>DRAWN/KIPPER 2014/09/30<br>CHK/DAW/GEN 2014/09/30<br>APPR/SMITH 2014/10/23 | DESCRIPTION<br>AN3 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0                                                                                                 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                     | DIMENSION STYLE<br>MM/IN |                  | SCALE<br>--                                                                              | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |
|                                                                                                                     |                    |                                                                                                                                      | mm                                    | INCH                | DRAWN BY<br>SAMIEC       | DATE<br>01/28/87 | TITLE<br>KK 156 HOUSING PCB<br>41815 SERIES<br><b>molex</b><br>DOCUMENT NO.<br>SDA-41815 |                      |                           |
|                                                                                                                     |                    |                                                                                                                                      | 4 PLACES ± ---                        | ± ---               | CHECKED BY               | DATE             |                                                                                          |                      |                           |
|                                                                                                                     |                    |                                                                                                                                      | 3 PLACES ± ---                        | ± .010              | SAMIEC                   | 01/28/87         |                                                                                          |                      |                           |
|                                                                                                                     |                    |                                                                                                                                      | 2 PLACES ± 0.25                       | ± .015              | APPROVED BY              | DATE             |                                                                                          |                      |                           |
| 1 PLACE ± 0.38                                                                                                      | ± ---              | LENZ                                                                                                                                 | 01/28/87                              | SHEET NO.<br>1 OF * |                          |                  |                                                                                          |                      |                           |
| ANGULAR ±1/2°                                                                                                       |                    | MATERIAL NO.                                                                                                                         |                                       |                     |                          |                  |                                                                                          |                      |                           |
| DRAFT WHERE APPLICABLE                                                                                              |                    | SEE CHART                                                                                                                            |                                       |                     |                          |                  |                                                                                          |                      |                           |
| MUST REMAIN WITHIN DIMENSIONS                                                                                       |                    | SIZE B THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                       |                     |                          |                  |                                                                                          |                      |                           |