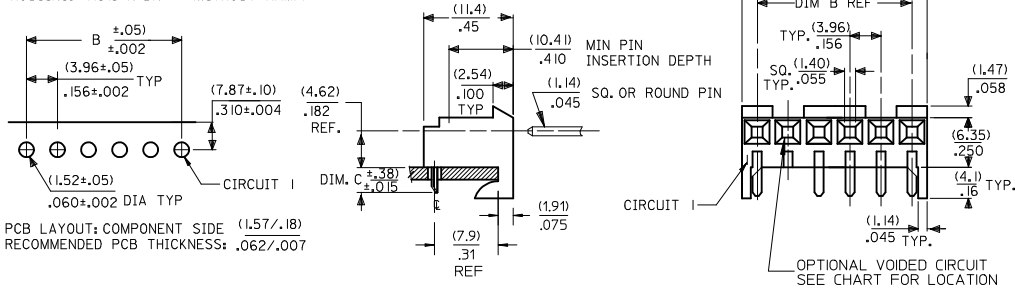


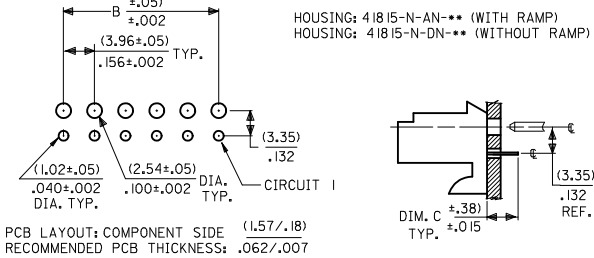
## RIGHT ANGLE

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



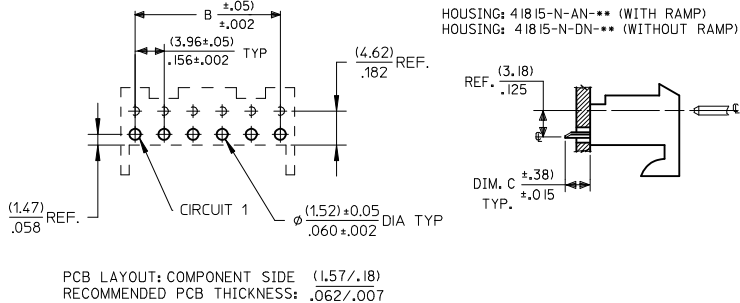
## BOTTOM ENTRY

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)



| DIM. B           | DIM. A                               | NO. OF CKTS |
|------------------|--------------------------------------|-------------|
| (3.96)<br>.156   | (7.82 $\pm.25$ )<br>.308 $\pm.010$   | 2           |
| (7.92)<br>.312   | (11.79 $\pm.25$ )<br>.464 $\pm.010$  | 3           |
| (11.89)<br>.468  | (15.75 $\pm.25$ )<br>.620 $\pm.010$  | 4           |
| (15.85)<br>.624  | (19.71 $\pm.25$ )<br>.776 $\pm.010$  | 5           |
| (19.81)<br>.780  | (23.67 $\pm.25$ )<br>.932 $\pm.010$  | 6           |
| (23.77)<br>.936  | (27.64 $\pm.30$ )<br>1.088 $\pm.012$ | 7           |
| (27.74)<br>1.092 | (31.60 $\pm.25$ )<br>1.244 $\pm.012$ | 8           |
| (31.70)<br>1.248 | (35.56 $\pm.30$ )<br>1.400 $\pm.012$ | 9           |
| (35.66)<br>1.404 | (39.52 $\pm.30$ )<br>1.556 $\pm.012$ | 10          |
| (39.62)<br>1.560 | (43.48 $\pm.30$ )<br>1.712 $\pm.012$ | 11          |
| (43.59)<br>1.716 | (47.45 $\pm.30$ )<br>1.868 $\pm.012$ | 12          |
| (47.55)<br>1.872 | (51.41 $\pm.30$ )<br>2.024 $\pm.012$ | 13          |
| (51.51)<br>2.028 | (55.37 $\pm.36$ )<br>2.180 $\pm.014$ | 14          |
| (55.47)<br>2.184 | (59.33 $\pm.36$ )<br>2.336 $\pm.014$ | 15          |

## NOTES:

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

- (197) = OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN 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/.000030 MIN, SELECT TIN: 0.00254/.000100 MIN, OVERALL NICKEL UNDERPLATE: 0.00127/.000050 MIN.
- (909) = OVERALL TIN: 0.00254/.000100 MIN.

3. PRODUCT SPECIFICATION: PS-08-50

4. PACKAGING: SEE CHARTS

5. FOR TOP ENTRY AND RIGHT ANGLE ASSEMBLIES WITH LOWER INSERTION FORCE USE SINGLE BEAM CONTACT. (TERMINAL NO. 4244)

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 41815-0661<br>EC NO: UCP2012-3600<br>DRWN:MMSTROH 2012/05/03<br>CHKD:MK1PPER 2012/05/04<br>APPR:FSMITH 2012/05/14 | QUALITY SYMBOLS<br><div><div>▽=0</div><div>▽=0</div><div>▽=0</div></div> | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± --- ± ---</td></tr><tr><td>3 PLACES</td><td>± --- ± .010</td></tr><tr><td>2 PLACES</td><td>± 0.25 ± .015</td></tr><tr><td>1 PLACE</td><td>± 0.38 ± ---</td></tr><tr><td>0 PLACE</td><td>± ±</td></tr></table> |                                                                                                                               | mm            | INCH                      | 4 PLACES | ± --- ± ---          | 3 PLACES | ± --- ± .010 | 2 PLACES | ± 0.25 ± .015 | 1 PLACE | ± 0.38 ± --- | 0 PLACE | ± ± | DIMENSION STYLE<br>MM/IN | SCALE<br>-- | DESIGN UNITS<br>INCH |  THIRD ANGLE PROJECTION | DRAWN BY DATE |  | TITLE<br>KK 156 HOUSING PCB<br>41815 SERIES |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------|----------|----------------------|----------|--------------|----------|---------------|---------|--------------|---------|-----|--------------------------|-------------|----------------------|--------------------------------------------------------------------------------------------------------------|---------------|--|---------------------------------------------|
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               | mm            | INCH                      |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    | 4 PLACES                                                                                                                      | ± --- ± ---   |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    | 3 PLACES                                                                                                                      | ± --- ± .010  |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    | 2 PLACES                                                                                                                      | ± 0.25 ± .015 |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    | 1 PLACE                                                                                                                       | ± 0.38 ± ---  |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    | 0 PLACE                                                                                                                       | ± ±           |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
| SAMIEC 01/28/87                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
| CHECKED BY DATE                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
| SAMIEC 01/28/87                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
| APPROVED BY DATE                                                                                                      |                                                                          |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
| LENZ 01/28/87                                                                                                         |                                                                          |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
| MATERIAL NO.                                                                                                          |                                                                          |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
| AN1                                                                                                                   | REV                                                                      | ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                        | SIZE<br>B                                                                                                                     |               | DOCUMENT NO.<br>SDA-41815 |          | SHEET NO.<br>1 OF 11 |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    | SEE CHART                                                                                                                     |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |
|                                                                                                                       |                                                                          |                                                                                                                                                                                                                                                                                                                                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |               |                           |          |                      |          |              |          |               |         |              |         |     |                          |             |                      |                                                                                                              |               |  |                                             |

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-197B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 TIN           |
| Dim C:       | (3.68) / .145     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-208B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 208 – 15 GOLD     |
| Dim C:       | (3.68) / .145     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 6298-1-197        |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | (3.18)/. 125      |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 6298-1-208        |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 208 – 15 GOLD     |
| Dim C:       | (3.18)/. 125      |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    | 09-48-1024  | A-41815-0002    |
| 3    | 09-48-1034  | A-41815-0003    |
| 4    | 09-48-1044  | A-41815-0004    |
| 5    | 09-48-1054  | A-41815-0005    |
| 6    | 09-48-1064  | A-41815-0006    |
| 7    | 09-48-1074  | A-41815-0007    |
| 8    | 09-48-1084  | A-41815-0008    |
| 9    | 09-48-1094  | A-41815-0009    |
| 10   | 09-48-1104  | A-41815-0010    |
| 11   | 09-48-1114  | A-41815-0011    |
| 12   | 09-48-1124  | A-41815-0012    |
| 13   | 09-48-1134  | A-41815-0013    |
| 14   | 09-48-1144  | A-41815-0014    |
| 15   | 09-48-1154  | A-41815-0015    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-5024  | A-41815-0016    |
| 09-48-5034  | A-41815-0017    |
| 09-48-5044  | A-41815-0018    |
| 09-48-5054  | A-41815-0019    |
| 09-48-5064  | A-41815-0020    |
| 09-48-5074  | A-41815-0021    |
| 09-48-5084  | A-41815-0022    |
| 09-48-5094  | A-41815-0023    |
| 09-48-5104  | A-41815-0024    |
| 09-48-5114  | A-41815-0025    |
| 09-48-5124  | A-41815-0026    |
| 09-48-5134  | A-41815-0027    |
| 09-48-5144  | A-41815-0028    |
| 09-48-5154  | A-41815-0029    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-4029  | A-41815-0030    |
| 09-48-4039  | A-41815-0031    |
| 09-48-4049  | A-41815-0032    |
| 09-48-4059  | A-41815-0033    |
| 09-48-4069  | A-41815-0034    |
| 09-48-4079  | A-41815-0035    |
| 09-48-4089  | A-41815-0036    |
| 09-48-4099  | A-41815-0037    |
| 09-48-4109  | A-41815-0038    |
| 09-48-4119  | A-41815-0039    |
| 09-48-4129  | A-41815-0040    |
| 09-48-4139  | A-41815-0041    |
| 09-48-4149  | A-41815-0042    |
| 09-48-4159  | A-41815-0043    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-5026  | A-41815-0044    |
| 09-48-5036  | A-41815-0045    |
| 09-48-5046  | A-41815-0046    |
| 09-48-5056  | A-41815-0047    |
| 09-48-5066  | A-41815-0048    |
| 09-48-5076  | A-41815-0049    |
| 09-48-5086  | A-41815-0050    |
| 09-48-5096  | A-41815-0051    |
| 09-48-5106  | A-41815-0052    |
| 09-48-5116  | A-41815-0053    |
| 09-48-5126  | A-41815-0054    |
| 09-48-5136  | A-41815-0055    |
| 09-48-5146  | A-41815-0056    |
| 09-48-5156  | A-41815-0057    |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

## KK 156 HOUSING ASSY PCB 41815 SERIES DWG

**- 2 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | TOP ENTRY         |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-197B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | (3.05) / .120     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | TOP ENTRY         |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-208B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 208 – 15 GOLD     |
| Dim C:       | (3.05) / .120     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    | 09-48-4028  | A-41815-0058    |
| 3    | 09-48-4038  | A-41815-0059    |
| 4    | 09-48-4048  | A-41815-0060    |
| 5    | 09-48-4058  | A-41815-0061    |
| 6    | 09-48-4068  | A-41815-0062    |
| 7    | 09-48-4078  | A-41815-0063    |
| 8    | 09-48-4088  | A-41815-0064    |
| 9    | 09-48-4098  | A-41815-0065    |
| 10   | 09-48-4108  | A-41815-0066    |
| 11   | 09-48-4118  | A-41815-0067    |
| 12   | 09-48-4128  | A-41815-0068    |
| 13   | 09-48-4138  | A-41815-0069    |
| 14   | 09-48-4148  | A-41815-0070    |
| 15   | 09-48-4158  | A-41815-0071    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-5025  | A-41815-0072    |
| 09-48-5035  | A-41815-0073    |
| 09-48-5045  | A-41815-0074    |
| 09-48-5055  | A-41815-0075    |
| 09-48-5065  | A-41815-0076    |
| 09-48-5075  | A-41815-0077    |
| 09-48-5085  | A-41815-0078    |
| 09-48-5095  | A-41815-0079    |
| 09-48-5105  | A-41815-0080    |
| 09-48-5115  | A-41815-0081    |
| 09-48-5125  | A-41815-0082    |
| 09-48-5135  | A-41815-0083    |
| 09-48-5145  | A-41815-0084    |
| 09-48-5155  | A-41815-0085    |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

**KK 156 HOUSING ASSY PCB  
41815 SERIES DWG**

**- 3 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2188-1-P909       |
| Term Matl:   | BRASS             |
| Plating:     | P909 – TIN        |
| Dim C:       | (3.18) / .125     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | TOP ENTRY          |
| Housing No:  | 41815-N-AN         |
| Options      | WITH RAMP          |
| Terminal No: | 2144-AA-A1AA-P909B |
| Term Matl:   | BRASS              |
| Plating:     | P909 – TIN         |
| Dim C:       | (3.05) / .120      |
| Voids:       | NONE               |
| Hooks Cut:   | YES                |
| Packaging:   | PK-41815-001 TRAY  |

|              |  |
|--------------|--|
| Assy. Proc:  |  |
| Housing No:  |  |
| Options      |  |
| Terminal No: |  |
| Term Matl:   |  |
| Plating:     |  |
| Dim C:       |  |
| Voids:       |  |
| Hooks Cut:   |  |
| Packaging:   |  |

|              |  |
|--------------|--|
| Assy. Proc:  |  |
| Housing No:  |  |
| Options      |  |
| Terminal No: |  |
| Term Matl:   |  |
| Plating:     |  |
| Dim C:       |  |
| Voids:       |  |
| Hooks Cut:   |  |
| Packaging:   |  |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    | 09-48-2022  | A-41815-0100    |
| 3    | 09-48-2032  | A-41815-0101    |
| 4    | 09-48-2042  | A-41815-0102    |
| 5    | 09-48-2052  | A-41815-0103    |
| 6    | 09-48-2062  | A-41815-0104    |
| 7    | 09-48-2072  | A-41815-0105    |
| 8    | 09-48-2082  | A-41815-0106    |
| 9    | 09-48-2092  | A-41815-0107    |
| 10   | 09-48-2102  | A-41815-0108    |
| 11   | 09-48-2112  | A-41815-0109    |
| 12   | 09-48-2122  | A-41815-0110    |
| 13   | 09-48-2132  | A-41815-0111    |
| 14   | 09-48-2142  | A-41815-0112    |
| 15   | 09-48-2152  | A-41815-0113    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-2025  | A-41815-0114    |
| 09-48-2035  | A-41815-0115    |
| 09-48-2045  | A-41815-0116    |
| 09-48-2055  | A-41815-0117    |
| 09-48-2065  | A-41815-0118    |
| 09-48-2075  | A-41815-0119    |
| 09-48-2085  | A-41815-0120    |
| 09-48-2095  | A-41815-0121    |
| 09-48-2105  | A-41815-0122    |
| 09-48-2115  | A-41815-0123    |
| 09-48-2125  | A-41815-0124    |
| 09-48-2135  | A-41815-0125    |
| 09-48-2145  | A-41815-0126    |
| 09-48-2155  | A-41815-0127    |

| Material No | Engineer Number |
|-------------|-----------------|
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| Material No | Engineer Number |
|-------------|-----------------|
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|             |                 |
|             |                 |
|             |                 |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

**KK 156 HOUSING ASSY PCB  
41815 SERIES DWG**

**- 4 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |  |
|--------------|--|
| Assy. Proc:  |  |
| Housing No:  |  |
| Options      |  |
| Terminal No: |  |
| Term Matl:   |  |
| Plating:     |  |
| Dim C:       |  |
| Voids:       |  |
| Hooks Cut:   |  |
| Packaging:   |  |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 6298-197          |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | (4.60) / .160     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2188-1-228        |
| Term Matl:   | BRASS             |
| Plating:     | 228 – GOLD        |
| Dim C:       | (3.18) / .125     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | RIGHT ANGLE        |
| Housing No:  | 41815-N-AN         |
| Options      | WITH RAMP          |
| Terminal No: | 2144-AA-A1AA-P909B |
| Term Matl:   | BRASS              |
| Plating:     | P909 – TIN         |
| Dim C:       | (3.68) / .145      |
| Voids:       | NONE               |
| Hooks Cut:   | NO                 |
| Packaging:   | PK-41815-001 TRAY  |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    |             |                 |
| 3    |             |                 |
| 4    |             |                 |
| 5    |             |                 |
| 6    |             |                 |
| 7    |             |                 |
| 8    |             |                 |
| 9    |             |                 |
| 10   |             |                 |
| 11   |             |                 |
| 12   |             |                 |
| 13   |             |                 |
| 14   |             |                 |
| 15   |             |                 |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-4021  | A-41815-0170    |
| 09-48-4031  | A-41815-0171    |
| 09-48-4041  | A-41815-0172    |
| 09-48-4051  | A-41815-0173    |
| 09-48-4061  | A-41815-0174    |
| 09-48-4071  | A-41815-0175    |
| 09-48-4081  | A-41815-0176    |
| 09-48-4091  | A-41815-0177    |
| 09-48-4101  | A-41815-0178    |
| 09-48-4111  | A-41815-0179    |
| 09-48-4121  | A-41815-0180    |
| 09-48-4131  | A-41815-0181    |
| 09-48-4141  | A-41815-0182    |
| 09-48-4151  | A-41815-0183    |

| Material No | Engineer Number |
|-------------|-----------------|
| 41815-0184  | A-41815-0184    |
| 09-48-5030  | A-41815-0185    |
| 09-48-5040  | A-41815-0186    |
| 09-48-5050  | A-41815-0187    |
| 41815-0188  | A-41815-0188    |
| 41815-0189  | A-41815-0189    |
| 09-48-5080  | A-41815-0190    |
| 41815-0191  | A-41815-0191    |
| 09-48-5100  | A-41815-0192    |
| 41815-0193  | A-41815-0193    |
| 41815-0194  | A-41815-0194    |
| 41815-0195  | A-41815-0195    |
| 41815-0196  | A-41815-0196    |
| 41815-0197  | A-41815-0197    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-2021  | A-41815-0198    |
| 09-48-2031  | A-41815-0199    |
| 09-48-2041  | A-41815-0200    |
| 09-48-2051  | A-41815-0201    |
| 09-48-2061  | A-41815-0202    |
| 09-48-2071  | A-41815-0203    |
| 09-48-2081  | A-41815-0204    |
| 09-48-2091  | A-41815-0205    |
| 09-48-2101  | A-41815-0206    |
| 09-48-2111  | A-41815-0207    |
| 09-48-2121  | A-41815-0208    |
| 09-48-2131  | A-41815-0209    |
| 09-48-2141  | A-41815-0210    |
| 09-48-2151  | A-41815-0211    |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

**KK 156 HOUSING ASSY PCB  
41815 SERIES DWG**

**- 5 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-AA-A1AA-228B |
| Term Matl:   | BRASS             |
| Plating:     | 228 – GOLD        |
| Dim C:       | (3.68) / .145     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-DN        |
| Options      | NO RAMPS          |
| Terminal No: | 2188-P909         |
| Term Matl:   | BRASS             |
| Plating:     | P909 – TIN        |
| Dim C:       | (4.06) / .160     |
| Voids:       | NONE              |
| Hooks Cut:   | YES               |
| Packaging:   | PK-41815-001 TRAY |

|              |  |
|--------------|--|
| Assy. Proc:  |  |
| Housing No:  |  |
| Options      |  |
| Terminal No: |  |
| Term Matl:   |  |
| Plating:     |  |
| Dim C:       |  |
| Voids:       |  |
| Hooks Cut:   |  |
| Packaging:   |  |

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | TOP ENTRY          |
| Housing No:  | 41815-N-DN         |
| Options      | NO RAMPS           |
| Terminal No: | 2144-AA-A1AA-P909B |
| Term Matl:   | BRASS              |
| Plating:     | P909 – TIN         |
| Dim C:       | (3.05) / .120      |
| Voids:       | NONE               |
| Hooks Cut:   | NO                 |
| Packaging:   | PK-41815-001 TRAY  |

| Ckts | Material No | Engineer Number | Material No | Engineer Number | Material No | Engineer Number | Material No | Engineer Number |
|------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| 2    | 09-48-5023  | A-41815-0313    | 41815-0327  | A-41815-0327    |             |                 | 41815-0355  | A-41815-0355    |
| 3    | 09-48-5033  | A-41815-0314    | 41815-0328  | A-41815-0328    |             |                 | 41815-0356  | A-41815-0356    |
| 4    | 09-48-5043  | A-41815-0315    | 41815-0329  | A-41815-0329    |             |                 | 09-48-2047  | A-41815-0357    |
| 5    | 09-48-5053  | A-41815-0316    | 09-48-2056  | A-41815-0330    |             |                 | 41815-0358  | A-41815-0358    |
| 6    | 09-48-5063  | A-41815-0317    | 41815-0331  | A-41815-0331    |             |                 | 41815-0359  | A-41815-0359    |
| 7    | 09-48-5073  | A-41815-0318    | 41815-0332  | A-41815-0332    |             |                 | 41815-0360  | A-41815-0360    |
| 8    | 09-48-5083  | A-41815-0319    | 09-48-2086  | A-41815-0333    |             |                 | 41815-0361  | A-41815-0361    |
| 9    | 09-48-5093  | A-41815-0320    | 41815-0334  | A-41815-0334    |             |                 | 41815-0362  | A-41815-0362    |
| 10   | 09-48-5103  | A-41815-0321    | 09-48-2106  | A-41815-0335    |             |                 | 09-48-2107  | A-41815-0363    |
| 11   | 09-48-5113  | A-41815-0322    | 41815-0336  | A-41815-0336    |             |                 | 41815-0364  | A-41815-0364    |
| 12   | 09-48-5123  | A-41815-0323    | 41815-0337  | A-41815-0337    |             |                 | 41815-0365  | A-41815-0365    |
| 13   | 09-48-5133  | A-41815-0324    | 41815-0338  | A-41815-0338    |             |                 | 41815-0366  | A-41815-0366    |
| 14   | 09-48-5143  | A-41815-0325    | 41815-0339  | A-41815-0339    |             |                 | 41815-0367  | A-41815-0367    |
| 15   | 09-48-5153  | A-41815-0326    | 41815-0340  | A-41815-0340    |             |                 | 41815-0368  | A-41815-0368    |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

**KK 156 HOUSING ASSY PCB  
41815 SERIES DWG**

**- 6 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**



# KK 156 PCB ASSY 2-15 CKT SERIES

|      |              |                   |              |                 |              |                   |              |                   |
|------|--------------|-------------------|--------------|-----------------|--------------|-------------------|--------------|-------------------|
|      | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  |                 | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | BOTTOM ENTRY      |
|      | Housing No:  | 41815-N-AN        | Housing No:  |                 | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        |
|      | Options      | WITH RAMP         | Options      |                 | Options      | WITH RAMP         | Options      | WITH RAMP         |
|      | Terminal No: | 4244-A-197A       | Terminal No: |                 | Terminal No: | 2144-AA-A1AA-208B | Terminal No: | 2188-1-208        |
|      | Term Matl:   | PHOS BRONZE       | Term Matl:   |                 | Term Matl:   | BRASS             | Term Matl:   | BRASS             |
|      | Plating:     | 197 – TIN         | Plating:     |                 | Plating:     | 208 – 15 GOLD     | Plating:     | 208 – 15 GOLD     |
|      | Dim C:       | (3.68) / .145     | Dim C:       |                 | Dim C:       | (3.68) / .145     | Dim C:       | (3.18) / .125     |
|      | Voids:       | NONE              | Voids:       |                 | Voids:       | NONE              | Voids:       | NONE              |
|      | Hooks Cut:   | NO                | Hooks Cut:   |                 | Hooks Cut:   | NO                | Hooks Cut:   | NO                |
|      | Packaging:   | PK-41815-001 TRAY | Packaging:   |                 | Packaging:   | PK-41815-001 TRAY | Packaging:   | PK-41815-001 TRAY |
|      |              |                   |              |                 |              |                   |              |                   |
| Ckts | Material No  | Engineer Number   | Material No  | Engineer Number | Material No  | Engineer Number   | Material No  | Engineer Number   |
| 2    | 09-48-1023   | A-41815-0369      |              |                 | 09-48-3025   | A-41815-0425      | 09-48-3024   | A-41815-0439      |
| 3    | 09-48-1033   | A-41815-0370      |              |                 | 09-48-3035   | A-41815-0426      | 09-48-3034   | A-41815-0440      |
| 4    | 09-48-1043   | A-41815-0371      |              |                 | 09-48-3045   | A-41815-0427      | 09-48-3044   | A-41815-0441      |
| 5    | 09-48-1053   | A-41815-0372      |              |                 | 09-48-3055   | A-41815-0428      | 09-48-3054   | A-41815-0442      |
| 6    | 09-48-1063   | A-41815-0373      |              |                 | 09-48-3065   | A-41815-0429      | 09-48-3064   | A-41815-0443      |
| 7    | 09-48-1073   | A-41815-0374      |              |                 | 09-48-3075   | A-41815-0430      | 09-48-3074   | A-41815-0444      |
| 8    | 09-48-1083   | A-41815-0375      |              |                 | 09-48-3085   | A-41815-0431      | 09-48-3084   | A-41815-0445      |
| 9    | 09-48-1093   | A-41815-0376      |              |                 | 09-48-3095   | A-41815-0432      | 09-48-3094   | A-41815-0446      |
| 10   | 09-48-1103   | A-41815-0377      |              |                 | 09-48-3105   | A-41815-0433      | 09-48-3104   | A-41815-0447      |
| 11   | 09-48-1113   | A-41815-0378      |              |                 | 09-48-3115   | A-41815-0434      | 09-48-3114   | A-41815-0448      |
| 12   | 09-48-1123   | A-41815-0379      |              |                 | 09-48-3125   | A-41815-0435      | 09-48-3124   | A-41815-0449      |
| 13   | 09-48-1133   | A-41815-0380      |              |                 | 09-48-3135   | A-41815-0436      | 09-48-3134   | A-41815-0450      |
| 14   | 09-48-1143   | A-41815-0381      |              |                 | 09-48-3145   | A-41815-0437      | 09-48-3144   | A-41815-0451      |
| 15   | 09-48-1153   | A-41815-0382      |              |                 | 09-48-3155   | A-41815-0438      | 09-48-3154   | A-41815-0452      |

|                                   |                      |              |                                                           |                               |                            |
|-----------------------------------|----------------------|--------------|-----------------------------------------------------------|-------------------------------|----------------------------|
| REV:<br><br><b>AN1</b>            | ECR/ECN INFORMATION: |              | TITLE:<br><br>KK 156 HOUSING ASSY PCB<br>41815 SERIES DWG | SHEET No.<br><br><b>- 7 -</b> |                            |
|                                   | EC NO.               | UCP2012-3600 |                                                           |                               |                            |
|                                   | DATE:                | 5/14/2012    |                                                           |                               |                            |
| DOCUMENT NUMBER:<br><br>SDA-41815 |                      |              | CREATED / REVISED BY:<br><br>MMSTROH                      | CHECKED BY:<br><br>MKIPPER    | APPROVED BY:<br><br>FSMITH |

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | TOP ENTRY          |
| Housing No:  | 41815-N-AN         |
| Options      | WITH RAMP          |
| Terminal No: | 2144-AA-A1AA-P909B |
| Term Matl:   | BRASS              |
| Plating:     | P909 – TIN         |
| Dim C:       | (3.05) / .120      |
| Voids:       | NONE               |
| Hooks Cut:   | NO                 |
| Packaging:   | PK-41815-001 TRAY  |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | TOP ENTRY         |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-AA-A1AA-208B |
| Term Matl:   | BRASS             |
| Plating:     | 208 – 15 GOLD     |
| Dim C:       | (3.05) / .120     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | RIGHT ANGLE        |
| Housing No:  | 41815-N-AN         |
| Options      | WITH RAMP          |
| Terminal No: | 2144-BA-A1AA-P909B |
| Term Matl:   | PHOS BRONZE        |
| Plating:     | P909 – TIN         |
| Dim C:       | (3.68) / .145      |
| Voids:       | NONE               |
| Hooks Cut:   | NO                 |
| Packaging:   | PK-41815-001 TRAY  |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 6298-1-P909       |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | P909 – TIN        |
| Dim C:       | (3.18) / .125     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    | 09-48-2023  | A-41815-0453    |
| 3    | 09-48-2033  | A-41815-0454    |
| 4    | 09-48-2043  | A-41815-0455    |
| 5    | 09-48-2053  | A-41815-0456    |
| 6    | 09-48-2063  | A-41815-0457    |
| 7    | 09-48-2073  | A-41815-0458    |
| 8    | 09-48-2083  | A-41815-0459    |
| 9    | 09-48-2093  | A-41815-0460    |
| 10   | 09-48-2103  | A-41815-0461    |
| 11   | 09-48-2113  | A-41815-0462    |
| 12   | 09-48-2123  | A-41815-0463    |
| 13   | 09-48-2133  | A-41815-0464    |
| 14   | 09-48-2143  | A-41815-0465    |
| 15   | 09-48-2153  | A-41815-0466    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-3026  | A-41815-0467    |
| 09-48-3036  | A-41815-0468    |
| 09-48-3046  | A-41815-0469    |
| 09-48-3056  | A-41815-0470    |
| 09-48-3066  | A-41815-0471    |
| 09-48-3076  | A-41815-0472    |
| 09-48-3086  | A-41815-0473    |
| 09-48-3096  | A-41815-0474    |
| 09-48-3106  | A-41815-0475    |
| 09-48-3116  | A-41815-0476    |
| 09-48-3126  | A-41815-0477    |
| 09-48-3136  | A-41815-0478    |
| 09-48-3146  | A-41815-0479    |
| 09-48-3156  | A-41815-0480    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-2020  | A-41815-0481    |
| 09-48-2030  | A-41815-0482    |
| 09-48-2040  | A-41815-0483    |
| 09-48-2050  | A-41815-0484    |
| 09-48-2060  | A-41815-0485    |
| 09-48-2070  | A-41815-0486    |
| 09-48-2080  | A-41815-0487    |
| 09-48-2090  | A-41815-0488    |
| 09-48-2100  | A-41815-0489    |
| 09-48-2110  | A-41815-0490    |
| 09-48-2120  | A-41815-0491    |
| 09-48-2130  | A-41815-0492    |
| 09-48-2140  | A-41815-0493    |
| 09-48-2150  | A-41815-0494    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-2029  | A-41815-0495    |
| 09-48-2039  | A-41815-0496    |
| 09-48-2049  | A-41815-0497    |
| 09-48-2059  | A-41815-0498    |
| 09-48-2069  | A-41815-0499    |
| 09-48-2079  | A-41815-0500    |
| 09-48-2089  | A-41815-0501    |
| 09-48-2099  | A-41815-0502    |
| 09-48-2109  | A-41815-0503    |
| 09-48-2119  | A-41815-0504    |
| 09-48-2129  | A-41815-0505    |
| 09-48-2139  | A-41815-0506    |
| 09-48-2149  | A-41815-0507    |
| 09-48-2159  | A-41815-0508    |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

**KK 156 HOUSING ASSY PCB**  
**41815 SERIES DWG**

**- 8 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | TOP ENTRY          |
| Housing No:  | 41815-N-AN         |
| Options      | WITH RAMP          |
| Terminal No: | 2144-BA-A1AA-P909B |
| Term Matl:   | PHOS BRONZE        |
| Plating:     | P909 – TIN         |
| Dim C:       | (3.05) / .120      |
| Voids:       | NONE               |
| Hooks Cut:   | NO                 |
| Packaging:   | PK-41815-001 TRAY  |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | TOP ENTRY         |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-197B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | (3.05) / .120     |
| Voids:       | NONE              |
| Hooks Cut:   | YES               |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | TOP ENTRY         |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-208B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 208 – 15 GOLD     |
| Dim C:       | (3.05) / .120     |
| Voids:       | NONE              |
| Hooks Cut:   | YES               |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2188-1-208        |
| Term Matl:   | BRASS             |
| Plating:     | 208 – 15 GOLD     |
| Dim C:       | (3.18) / .125     |
| Voids:       | TERMINAL VOID 2   |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    | 09-48-2028  | A-41815-0509    |
| 3    | 09-48-2038  | A-41815-0510    |
| 4    | 09-48-2048  | A-41815-0511    |
| 5    | 09-48-2058  | A-41815-0512    |
| 6    | 09-48-2068  | A-41815-0513    |
| 7    | 09-48-2078  | A-41815-0514    |
| 8    | 09-48-2088  | A-41815-0515    |
| 9    | 09-48-2098  | A-41815-0516    |
| 10   | 09-48-2108  | A-41815-0517    |
| 11   | 09-48-2118  | A-41815-0518    |
| 12   | 09-48-2128  | A-41815-0519    |
| 13   | 09-48-2138  | A-41815-0520    |
| 14   | 09-48-2148  | A-41815-0521    |
| 15   | 09-48-2158  | A-41815-0522    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-5028  | A-41815-0523    |
| 09-48-5038  | A-41815-0524    |
| 09-48-5048  | A-41815-0525    |
| 09-48-5058  | A-41815-0526    |
| 09-48-5068  | A-41815-0527    |
| 09-48-5078  | A-41815-0528    |
| 09-48-5088  | A-41815-0529    |
| 09-48-5098  | A-41815-0530    |
| 09-48-5108  | A-41815-0531    |
| 09-48-5118  | A-41815-0532    |
| 09-48-5128  | A-41815-0533    |
| 09-48-5138  | A-41815-0534    |
| 09-48-5148  | A-41815-0535    |
| 09-48-5158  | A-41815-0536    |

| Material No | Engineer Number |
|-------------|-----------------|
| 09-48-1025  | A-41815-0537    |
| 09-48-1035  | A-41815-0538    |
| 09-48-1045  | A-41815-0539    |
| 09-48-1055  | A-41815-0540    |
| 09-48-1065  | A-41815-0541    |
| 09-48-1075  | A-41815-0542    |
| 09-48-1085  | A-41815-0543    |
| 09-48-1095  | A-41815-0544    |
| 09-48-1105  | A-41815-0545    |
| 09-48-1115  | A-41815-0546    |
| 09-48-1125  | A-41815-0547    |
| 09-48-1135  | A-41815-0548    |
| 09-48-1145  | A-41815-0549    |
| 09-48-1155  | A-41815-0550    |

| Material No | Engineer Number |
|-------------|-----------------|
| 41815-0551  | 41815-0551      |
| 41815-0552  | 41815-0552      |
| 41815-0553  | 41815-0553      |
| 41815-0554  | 41815-0554      |
| 41815-0555  | 41815-0555      |
| 41815-0556  | 41815-0556      |
| 41815-0557  | 41815-0557      |
| 41815-0558  | 41815-0558      |
| 41815-0559  | 41815-0559      |
| 41815-0560  | 41815-0560      |
| 41815-0561  | 41815-0561      |
| 41815-0562  | 41815-0562      |
| 41815-0563  | 41815-0563      |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

**KK 156 HOUSING ASSY PCB**  
**41815 SERIES DWG**

**- 9 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-DN        |
| Options      | WITHOUT RAMPS     |
| Terminal No: | 6298-1-197        |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | 3.18 / .125       |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-DN        |
| Options      | WITHOUT RAMPS     |
| Terminal No: | 6298-1-197        |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | 3.18 / .125       |
| Voids:       | TERMINAL VOID 2   |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-A15-7     |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-197B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | (3.68) / .145     |
| Voids:       | TERMINAL VOID 7   |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | TOP ENTRY         |
| Housing No:  | 41815-N-DN        |
| Options      | WITHOUT RAMP      |
| Terminal No: | 2144-BA-A1AA-197B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | (3.05)/.120       |
| Voids:       | NONE              |
| Hooks Cut:   | YES               |
| Packaging:   | PK-41815-001 TRAY |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    | 41815-0564  | A-41815-0564    |
| 3    | 41815-0565  | A-41815-0565    |
| 4    | 41815-0566  | A-41815-0566    |
| 5    | 41815-0567  | A-41815-0567    |
| 6    | 41815-0568  | A-41815-0568    |
| 7    | 41815-0569  | A-41815-0569    |
| 8    | 41815-0570  | A-41815-0570    |
| 9    | 41815-0571  | A-41815-0571    |
| 10   | 41815-0572  | A-41815-0572    |
| 11   | 41815-0573  | A-41815-0573    |
| 12   | 41815-0574  | A-41815-0574    |
| 13   | 41815-0575  | A-41815-0575    |
| 14   | 41815-0576  | A-41815-0576    |
| 15   | 41815-0577  | A-41815-0577    |

| Material No | Engineer Number |
|-------------|-----------------|
| 41815-0579  | A-41815-0579    |
| 41815-0580  | A-41815-0580    |
| 41815-0581  | A-41815-0581    |
| 41815-0582  | A-41815-0582    |
| 41815-0583  | A-41815-0583    |
| 41815-0584  | A-41815-0584    |
| 41815-0585  | A-41815-0585    |
| 41815-0586  | A-41815-0586    |
| 41815-0587  | A-41815-0587    |
| 41815-0588  | A-41815-0588    |
| 41815-0589  | A-41815-0589    |
| 41815-0590  | A-41815-0590    |
| 41815-0591  | A-41815-0591    |

| Material No | Engineer Number |
|-------------|-----------------|
| 41815-0600  | A-41815-0600    |

| Material No | Engineer Number |
|-------------|-----------------|
| 41815-0601  | A-41815-0601    |
| 41815-0602  | A-41815-0602    |
| 41815-0605  | A-41815-0605    |

REV:

ECR/ECN INFORMATION:

TITLE:

SHEET No.

**AN1**

EC NO.

**UCP2012-3600**

DATE:

**5/14/2012**

## KK 156 HOUSING ASSY PCB 41815 SERIES DWG

**- 10 -**

DOCUMENT NUMBER:

**SDA-41815**

CREATED / REVISED BY:

**MMSTROH**

CHECKED BY:

**MKIPPER**

APPROVED BY:

**FSMITH**

41815



# KK 156 PCB ASSY 2-15 CKT SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-DN        |
| Options      | WITHOUT RAMP      |
| Terminal No: | 2144-BA-A1AA-197B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 197 – TIN         |
| Dim C:       | (3.68) / .145     |
| Voids:       | NONE              |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | TOP ENTRY          |
| Housing No:  | 41815-N-DN         |
| Options      | WITHOUT RAMP       |
| Terminal No: | 2144-AA-A1AA-P909B |
| Term Matl:   | BRASS              |
| Plating:     | P909 – TIN         |
| Dim C:       | (3.05) / .120      |
| Voids:       | NONE               |
| Hooks Cut:   | YES                |
| Packaging:   | PK-41815-001 TRAY  |

|              |                    |
|--------------|--------------------|
| Assy. Proc:  | RIGHT ANGLE        |
| Housing No:  | 41815-N-AN         |
| Options      | WITH RAMP          |
| Terminal No: | 2144-BA-A1AA-197B  |
| Term Matl:   | PHOS BRONZE        |
| Plating:     | 197 TIN            |
| Dim C:       | (3.68) / .145      |
| Voids:       | TERMINAL VOID 2, 4 |
| Hooks Cut:   | NO                 |
| Packaging:   | PK-41815-001 TRAY  |

| Ckts | Material No | Engineer Number |
|------|-------------|-----------------|
| 2    | 41815-0630  | A-41815-0630    |
| 3    | 41815-0631  | A-41815-0631    |
| 4    | 41815-0632  | A-41815-0632    |
| 5    | 41815-0633  | A-41815-0633    |
| 6    | 41815-0634  | A-41815-0634    |
| 7    | 41815-0635  | A-41815-0635    |
| 8    | 41815-0636  | A-41815-0636    |
| 9    | 41815-0637  | A-41815-0637    |
| 10   | 41815-0638  | A-41815-0638    |
| 11   | 41815-0639  | A-41815-0639    |
| 12   | 41815-0640  | A-41815-0640    |
| 13   | 41815-0641  | A-41815-0641    |
| 14   | 41815-0642  | A-41815-0642    |
| 15   | 41815-0643  | A-41815-0643    |

| Material No | Engineer Number |
|-------------|-----------------|
|             |                 |
|             |                 |
| 41815-0646  | A-41815-0646    |
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| Material No | Engineer Number |
|-------------|-----------------|
|             |                 |
|             |                 |
|             |                 |
| 41815-0661  | A-41815-0661    |
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|--------------------------------------|----------------------|---------------------|-------------------------------------------------------------------|-------------------------------|-------------------------------|
| REV:<br><b>AN1</b>                   | ECR/ECN INFORMATION: |                     | TITLE:<br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | SHEET No.<br><b>- 11 -</b>    |                               |
|                                      | EC NO.               | <b>UCP2012-3600</b> |                                                                   |                               |                               |
|                                      | DATE:                | <b>5/14/2012</b>    |                                                                   |                               |                               |
| DOCUMENT NUMBER:<br><b>SDA-41815</b> |                      |                     | CREATED / REVISED BY:<br><b>MMSTROH</b>                           | CHECKED BY:<br><b>MKIPPER</b> | APPROVED BY:<br><b>FSMITH</b> |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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