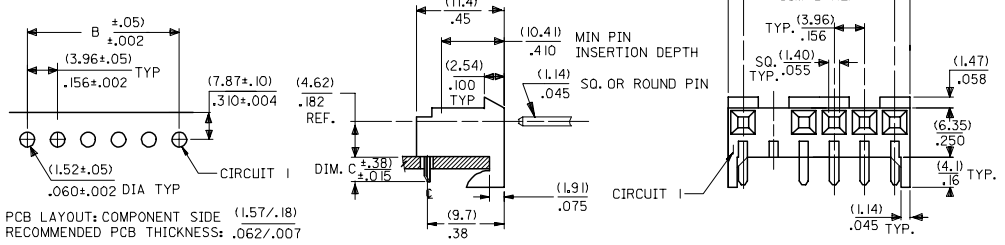
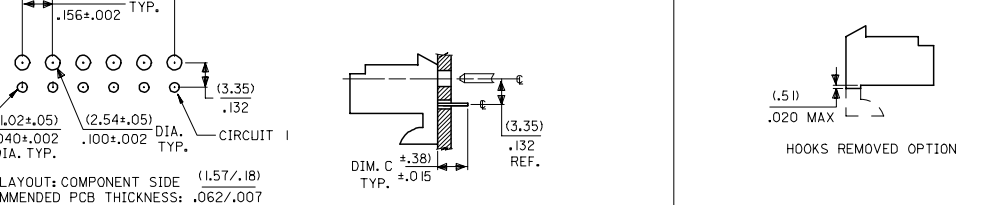


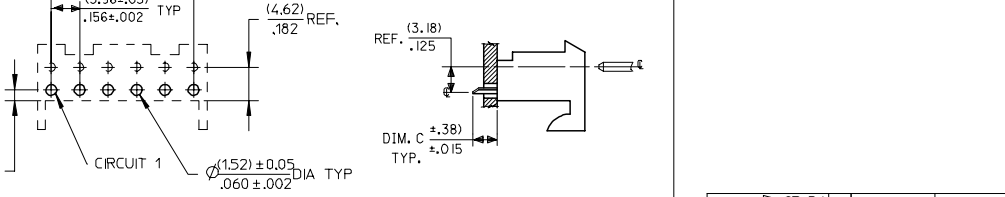
ASSEMBLY PROCEDURE A  
HOUSING: 41815-N-AN-\*\*-\*\* (WITH RAMP)  
HOUSING: 41815-N-DN-\*\*-\*\* (WITHOUT RAMP)



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



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



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

- NOTES:
- MATERIAL: HOUSING: POLYESTER. 94V-0 COLOR: NATURAL (WHITE)
  - FINISH:
    - (102) OVERALL TIN: 0.00508/.000200 MIN OVER 0.00254/.000100 MIN COPPER.
    - (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.
  - THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2002/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.
  - PRODUCT SPECIFICATION: PS-08-50
  - PACKAGING: SEE CHARTS
  - FOR TOP ENTRY AND RIGHT ANGLE ASSEMBLIES WITH LOWER INSERTION FORCE USE SINGLE BEAM CONTACT. (TERMINAL NO. 4244)
  - SOLDERABILITY: WHEN PARTS ARE SOLDERED AT A TEMPERATURE OF 230°C OR 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 ES-152.
  - PARTS ARE STACKABLE END TO END ON (3.96) .156
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.

|      |      |
|------|------|
| 2-10 | AL3  |
| 1    | AL3  |
| SHT. | REV. |

|                     |            |
|---------------------|------------|
| UPDATED P/N         | 2007/05/17 |
| EC NO: UCP2007-29/5 | 2007/05/18 |
| DRWN:MKIPPER        | 2007/05/18 |
| CHKD:ADDER          | 2007/05/17 |
| APPR:FSM TH         |            |
| DESCRIPTION         |            |
| REV                 |            |
| AL3                 |            |

|                             |                                       |      |   |                  |   |                      |                        |
|-----------------------------|---------------------------------------|------|---|------------------|---|----------------------|------------------------|
| QUALITY SYMBOLS<br>=0<br>=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |      | DIMENSION STYLE<br>MM/IN  |                  | SCALE<br>---                                | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |
|                             | mm                                    | INCH | DRAWN BY<br>SAMIEC  | DATE<br>01/28/87 | TITLE<br>KK 156 HOUSING PCB<br>41815 SERIES |                      |                        |
|                             | 4 PLACES ± --- ± ---                  |      | CHECKED BY<br>SAMIEC  | DATE<br>01/28/87 | MATERIAL NO.<br>SEE CHART                   |                      |                        |
|                             | 3 PLACES ± --- ± .010                 |      | APPROVED BY<br>LENZ   | DATE<br>01/28/87 | DOCUMENT NO.<br>SDA-41815                   |                      |                        |
|                             | 2 PLACES ± 0.25 ± .015                |      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  |                  | SHEET NO.<br>1 OF 10                        |                      |                        |
|                             | 1 PLACE ± 0.36 ± ---                  |      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |   |                      |                        |
|                             | ANGULAR ±1/2°                         |      |   |                  |   |                      |                        |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-102B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102 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: | 6298-1-102        |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102 – 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 | Material No | Engineer Number | Material No | Engineer Number | Material No | Engineer Number |
|------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| 2    | 09-48-1024  | A-41815-0002    | 09-48-5024  | A-41815-0016    | 09-48-4029  | A-41815-0030    | 09-48-5026  | A-41815-0044    |
| 3    | 09-48-1034  | A-41815-0003    | 09-48-5034  | A-41815-0017    | 09-48-4039  | A-41815-0031    | 09-48-5036  | A-41815-0045    |
| 4    | 09-48-1044  | A-41815-0004    | 09-48-5044  | A-41815-0018    | 09-48-4049  | A-41815-0032    | 09-48-5046  | A-41815-0046    |
| 5    | 09-48-1054  | A-41815-0005    | 09-48-5054  | A-41815-0019    | 09-48-4059  | A-41815-0033    | 09-48-5056  | A-41815-0047    |
| 6    | 09-48-1064  | A-41815-0006    | 09-48-5064  | A-41815-0020    | 09-48-4069  | A-41815-0034    | 09-48-5066  | A-41815-0048    |
| 7    | 09-48-1074  | A-41815-0007    | 09-48-5074  | A-41815-0021    | 09-48-4079  | A-41815-0035    | 09-48-5076  | A-41815-0049    |
| 8    | 09-48-1084  | A-41815-0008    | 09-48-5084  | A-41815-0022    | 09-48-4089  | A-41815-0036    | 09-48-5086  | A-41815-0050    |
| 9    | 09-48-1094  | A-41815-0009    | 09-48-5094  | A-41815-0023    | 09-48-4099  | A-41815-0037    | 09-48-5096  | A-41815-0051    |
| 10   | 09-48-1104  | A-41815-0010    | 09-48-5104  | A-41815-0024    | 09-48-4109  | A-41815-0038    | 09-48-5106  | A-41815-0052    |
| 11   | 09-48-1114  | A-41815-0011    | 09-48-5114  | A-41815-0025    | 09-48-4119  | A-41815-0039    | 09-48-5116  | A-41815-0053    |
| 12   | 09-48-1124  | A-41815-0012    | 09-48-5124  | A-41815-0026    | 09-48-4129  | A-41815-0040    | 09-48-5126  | A-41815-0054    |
| 13   | 09-48-1134  | A-41815-0013    | 09-48-5134  | A-41815-0027    | 09-48-4139  | A-41815-0041    | 09-48-5136  | A-41815-0055    |
| 14   | 09-48-1144  | A-41815-0014    | 09-48-5144  | A-41815-0028    | 09-48-4149  | A-41815-0042    | 09-48-5146  | A-41815-0056    |
| 15   | 09-48-1154  | A-41815-0015    | 09-48-5154  | A-41815-0029    | 09-48-4159  | A-41815-0043    | 09-48-5156  | A-41815-0057    |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| <b>REV:</b><br><br><b>AL3</b>               | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <b>SHEET No.</b><br><br><b>- 2 -</b> |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  |                                      |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                      |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>                                       | <b>APPROVED BY:</b><br><b>FSMITH</b> |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | TOP ENTRY         |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-BA-A1AA-102B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102 – 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    |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| <b>REV:</b><br><br><b>AL3</b>               | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <u>SHEET No.</u>                     |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  | <b>- 3 -</b>                         |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                      |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>                                       | <b>APPROVED BY:</b><br><b>FSMITH</b> |



# KK 156 PCB ASSY 2-15 CKT

## 41815 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:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-AA-A1AA-122B |
| Term Matl:   | BRASS             |
| Plating:     | 122 – 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: | 2188-1-102        |
| Term Matl:   | BRASS             |
| Plating:     | 102 – TIN         |
| Dim C:       | (3.18) / .125     |
| 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    | 09-48-2022  | A-41815-0100    | 09-48-2025  | A-41815-0114    | 41815-0128  | A-41815-0128    | 09-48-4022  | A-41815-0142    |
| 3    | 09-48-2032  | A-41815-0101    | 09-48-2035  | A-41815-0115    | 41815-0129  | A-41815-0129    | 09-48-4032  | A-41815-0143    |
| 4    | 09-48-2042  | A-41815-0102    | 09-48-2045  | A-41815-0116    | 41815-0130  | A-41815-0130    | 09-48-4042  | A-41815-0144    |
| 5    | 09-48-2052  | A-41815-0103    | 09-48-2055  | A-41815-0117    | 41815-0131  | A-41815-0131    | 09-48-4052  | A-41815-0145    |
| 6    | 09-48-2062  | A-41815-0104    | 09-48-2065  | A-41815-0118    | 41815-0132  | A-41815-0132    | 09-48-4062  | A-41815-0146    |
| 7    | 09-48-2072  | A-41815-0105    | 09-48-2075  | A-41815-0119    | 41815-0133  | A-41815-0133    | 09-48-4072  | A-41815-0147    |
| 8    | 09-48-2082  | A-41815-0106    | 09-48-2085  | A-41815-0120    | 41815-0134  | A-41815-0134    | 09-48-4082  | A-41815-0148    |
| 9    | 09-48-2092  | A-41815-0107    | 09-48-2095  | A-41815-0121    | 41815-0135  | A-41815-0135    | 09-48-4092  | A-41815-0149    |
| 10   | 09-48-2102  | A-41815-0108    | 09-48-2105  | A-41815-0122    | 41815-0136  | A-41815-0136    | 09-48-4102  | A-41815-0150    |
| 11   | 09-48-2112  | A-41815-0109    | 09-48-2115  | A-41815-0123    | 41815-0137  | A-41815-0137    | 09-48-4112  | A-41815-0151    |
| 12   | 09-48-2122  | A-41815-0110    | 09-48-2125  | A-41815-0124    | 09-48-1122  | A-41815-0138    | 09-48-4122  | A-41815-0152    |
| 13   | 09-48-2132  | A-41815-0111    | 09-48-2135  | A-41815-0125    | 41815-0139  | A-41815-0139    | 09-48-4132  | A-41815-0153    |
| 14   | 09-48-2142  | A-41815-0112    | 09-48-2145  | A-41815-0126    | 41815-0140  | A-41815-0140    | 09-48-4142  | A-41815-0154    |
| 15   | 09-48-2152  | A-41815-0113    | 09-48-2155  | A-41815-0127    | 41815-0141  | A-41815-0141    | 09-48-4152  | A-41815-0155    |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| <b>REV:</b><br><br><b>AL3</b>               | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <b>SHEET No.</b><br><br><b>- 4 -</b> |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  |                                      |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                      |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>                                       | <b>APPROVED BY:</b><br><b>FSMITH</b> |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|              |  |              |                   |              |                   |              |                    |
|--------------|--|--------------|-------------------|--------------|-------------------|--------------|--------------------|
| Assy. Proc:  |  | Assy. Proc:  | BOTTOM ENTRY      | Assy. Proc:  | BOTTOM ENTRY      | Assy. Proc:  | RIGHT ANGLE        |
| Housing No:  |  | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN         |
| Options      |  | Options      | WITH RAMP         | Options      | WITH RAMP         | Options      | WITH RAMP          |
| Terminal No: |  | Terminal No: | 6298-1-102        | Terminal No: | 2188-1-228        | Terminal No: | 2144-AA-A1AA-P909B |
| Term Matl:   |  | Term Matl:   | PHOS BRONZE       | Term Matl:   | BRASS             | Term Matl:   | BRASS              |
| Plating:     |  | Plating:     | 102 – TIN         | Plating:     | 228 – GOLD        | Plating:     | P909 – TIN         |
| Dim C:       |  | Dim C:       | (4.60) / .160     | Dim C:       | (3.18) / .125     | Dim C:       | (3.68) / .145      |
| Voids:       |  | Voids:       | NONE              | Voids:       | NONE              | Voids:       | NONE               |
| Hooks Cut:   |  | Hooks Cut:   | NO                | Hooks Cut:   | NO                | Hooks Cut:   | NO                 |
| Packaging:   |  | Packaging:   | PK-41815-001 TRAY | 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    |             |                 | 09-48-4021  | A-41815-0170    | 41815-0184  | A-41815-0184    | 09-48-2021  | A-41815-0198    |
| 3    |             |                 | 09-48-4031  | A-41815-0171    | 09-48-5030  | A-41815-0185    | 09-48-2031  | A-41815-0199    |
| 4    |             |                 | 09-48-4041  | A-41815-0172    | 09-48-5040  | A-41815-0186    | 09-48-2041  | A-41815-0200    |
| 5    |             |                 | 09-48-4051  | A-41815-0173    | 09-48-5050  | A-41815-0187    | 09-48-2051  | A-41815-0201    |
| 6    |             |                 | 09-48-4061  | A-41815-0174    | 41815-0188  | A-41815-0188    | 09-48-2061  | A-41815-0202    |
| 7    |             |                 | 09-48-4071  | A-41815-0175    | 41815-0189  | A-41815-0189    | 09-48-2071  | A-41815-0203    |
| 8    |             |                 | 09-48-4081  | A-41815-0176    | 09-48-5090  | A-41815-0190    | 09-48-2081  | A-41815-0204    |
| 9    |             |                 | 09-48-4091  | A-41815-0177    | 41815-0191  | A-41815-0191    | 09-48-2091  | A-41815-0205    |
| 10   |             |                 | 09-48-4101  | A-41815-0178    | 09-48-5100  | A-41815-0192    | 09-48-2101  | A-41815-0206    |
| 11   |             |                 | 09-48-4111  | A-41815-0179    | 41815-0193  | A-41815-0193    | 09-48-2111  | A-41815-0207    |
| 12   |             |                 | 09-48-4121  | A-41815-0180    | 41815-0194  | A-41815-0194    | 09-48-2121  | A-41815-0208    |
| 13   |             |                 | 09-48-4131  | A-41815-0181    | 41815-0195  | A-41815-0195    | 09-48-2131  | A-41815-0209    |
| 14   |             |                 | 09-48-4141  | A-41815-0182    | 41815-0196  | A-41815-0196    | 09-48-2141  | A-41815-0210    |
| 15   |             |                 | 09-48-4151  | A-41815-0183    | 41815-0197  | A-41815-0197    | 09-48-2151  | A-41815-0211    |

|                         |                             |                     |                              |   |                     |
|-------------------------|-----------------------------|---------------------|------------------------------|---|---------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b> |                     | <b>TITLE:</b>                | <b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <b>SHEET No.</b>    |
| <b>AL3</b>              | EC NO.                      | <b>UCP2007-2915</b> |                              |   | <b>- 5 -</b>        |
|                         | DATE:                       | <b>5/22/2007</b>    |                              |   |                     |
| <b>DOCUMENT NUMBER:</b> |                             |                     | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b>                                  | <b>APPROVED BY:</b> |
| <b>SDA-41815</b>        |                             |                     | <b>MKIPPER</b>               | <b>ADERR</b>  | <b>FSMITH</b>       |



# KK 156 PCB ASSY 2-15 CKT

## 41815 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:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 2144-AA-A1AA-505B |
| Term Matl:   | BRASS             |
| Plating:     | 505 – GOLD        |
| 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      | 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    | 41815-0341  | A-41815-0341    | 41815-0355  | A-41815-0355    |
| 3    | 09-48-5033  | A-41815-0314    | 41815-0328  | A-41815-0328    | 09-48-3037  | A-41815-0342    | 41815-0356  | A-41815-0356    |
| 4    | 09-48-5043  | A-41815-0315    | 41815-0329  | A-41815-0329    | 41815-0343  | A-41815-0343    | 09-48-2047  | A-41815-0357    |
| 5    | 09-48-5053  | A-41815-0316    | 09-48-2056  | A-41815-0330    | 41815-0344  | A-41815-0344    | 41815-0358  | A-41815-0358    |
| 6    | 09-48-5063  | A-41815-0317    | 41815-0331  | A-41815-0331    | 41815-0345  | A-41815-0345    | 41815-0359  | A-41815-0359    |
| 7    | 09-48-5073  | A-41815-0318    | 41815-0332  | A-41815-0332    | 41815-0346  | A-41815-0346    | 41815-0360  | A-41815-0360    |
| 8    | 09-48-5083  | A-41815-0319    | 09-48-2086  | A-41815-0333    | 41815-0347  | A-41815-0347    | 41815-0361  | A-41815-0361    |
| 9    | 09-48-5093  | A-41815-0320    | 41815-0334  | A-41815-0334    | 41815-0348  | A-41815-0348    | 41815-0362  | A-41815-0362    |
| 10   | 09-48-5103  | A-41815-0321    | 09-48-2106  | A-41815-0335    | 41815-0349  | A-41815-0349    | 09-48-2107  | A-41815-0363    |
| 11   | 09-48-5113  | A-41815-0322    | 41815-0336  | A-41815-0336    | 41815-0350  | A-41815-0350    | 41815-0364  | A-41815-0364    |
| 12   | 09-48-5123  | A-41815-0323    | 41815-0337  | A-41815-0337    | 41815-0351  | A-41815-0351    | 41815-0365  | A-41815-0365    |
| 13   | 09-48-5133  | A-41815-0324    | 41815-0338  | A-41815-0338    | 41815-0352  | A-41815-0352    | 41815-0366  | A-41815-0366    |
| 14   | 09-48-5143  | A-41815-0325    | 41815-0339  | A-41815-0339    | 41815-0353  | A-41815-0353    | 41815-0367  | A-41815-0367    |
| 15   | 09-48-5153  | A-41815-0326    | 41815-0340  | A-41815-0340    | 41815-0354  | A-41815-0354    | 41815-0368  | A-41815-0368    |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| <b>REV:</b><br><br><b>AL3</b>               | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <b>SHEET No.</b><br><br><b>- 6 -</b> |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  |                                      |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                      |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>                                       | <b>APPROVED BY:</b><br><b>FSMITH</b> |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITH RAMP         |
| Terminal No: | 4244-A-102A       |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102 – 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: | 2188-1-122        |
| Term Matl:   | BRASS             |
| Plating:     | TIN – 122         |
| 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-208B |
| Term Matl:   | BRASS             |
| 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: | 2188-1-208        |
| Term Matl:   | BRASS             |
| Plating:     | 208 – 15 GOLD     |
| Dim C:       | (3.18) / .125     |
| 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    | 09-48-1023  | A-41815-0369    | 09-48-4025  | A-41815-0383    | 09-48-3025  | A-41815-0425    | 09-48-3024  | A-41815-0439    |
| 3    | 09-48-1033  | A-41815-0370    | 09-48-4035  | A-41815-0384    | 09-48-3035  | A-41815-0426    | 09-48-3034  | A-41815-0440    |
| 4    | 09-48-1043  | A-41815-0371    | 09-48-4045  | A-41815-0385    | 09-48-3045  | A-41815-0427    | 09-48-3044  | A-41815-0441    |
| 5    | 09-48-1053  | A-41815-0372    | 09-48-4055  | A-41815-0386    | 09-48-3055  | A-41815-0428    | 09-48-3054  | A-41815-0442    |
| 6    | 09-48-1063  | A-41815-0373    | 09-48-4065  | A-41815-0387    | 09-48-3065  | A-41815-0429    | 09-48-3064  | A-41815-0443    |
| 7    | 09-48-1073  | A-41815-0374    | 09-48-4075  | A-41815-0388    | 09-48-3075  | A-41815-0430    | 09-48-3074  | A-41815-0444    |
| 8    | 09-48-1083  | A-41815-0375    | 09-48-4085  | A-41815-0389    | 09-48-3085  | A-41815-0431    | 09-48-3084  | A-41815-0445    |
| 9    | 09-48-1093  | A-41815-0376    | 09-48-4095  | A-41815-0390    | 09-48-3095  | A-41815-0432    | 09-48-3094  | A-41815-0446    |
| 10   | 09-48-1103  | A-41815-0377    | 09-48-4105  | A-41815-0391    | 09-48-3105  | A-41815-0433    | 09-48-3104  | A-41815-0447    |
| 11   | 09-48-1113  | A-41815-0378    | 09-48-4115  | A-41815-0392    | 09-48-3115  | A-41815-0434    | 09-48-3114  | A-41815-0448    |
| 12   | 09-48-1123  | A-41815-0379    | 09-48-4125  | A-41815-0393    | 09-48-3125  | A-41815-0435    | 09-48-3124  | A-41815-0449    |
| 13   | 09-48-1133  | A-41815-0380    | 09-48-4135  | A-41815-0394    | 09-48-3135  | A-41815-0436    | 09-48-3134  | A-41815-0450    |
| 14   | 09-48-1143  | A-41815-0381    | 09-48-4145  | A-41815-0395    | 09-48-3145  | A-41815-0437    | 09-48-3144  | A-41815-0451    |
| 15   | 09-48-1153  | A-41815-0382    | 09-48-4155  | A-41815-0396    | 09-48-3155  | A-41815-0438    | 09-48-3154  | A-41815-0452    |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| <b>REV:</b><br><br><b>AL3</b>               | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <b>SHEET No.</b><br><br><b>- 7 -</b> |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  |                                      |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                      |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>                                       | <b>APPROVED BY:</b><br><b>FSMITH</b> |



# KK 156 PCB ASSY 2-15 CKT

## 41815 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 | Material No | Engineer Number | Material No | Engineer Number | Material No | Engineer Number |
|------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| 2    | 09-48-2023  | A-41815-0453    | 09-48-3026  | A-41815-0467    | 09-48-2020  | A-41815-0481    | 09-48-2029  | A-41815-0495    |
| 3    | 09-48-2033  | A-41815-0454    | 09-48-3036  | A-41815-0468    | 09-48-2030  | A-41815-0482    | 09-48-2039  | A-41815-0496    |
| 4    | 09-48-2043  | A-41815-0455    | 09-48-3046  | A-41815-0469    | 09-48-2040  | A-41815-0483    | 09-48-2049  | A-41815-0497    |
| 5    | 09-48-2053  | A-41815-0456    | 09-48-3056  | A-41815-0470    | 09-48-2050  | A-41815-0484    | 09-48-2059  | A-41815-0498    |
| 6    | 09-48-2063  | A-41815-0457    | 09-48-3066  | A-41815-0471    | 09-48-2060  | A-41815-0485    | 09-48-2069  | A-41815-0499    |
| 7    | 09-48-2073  | A-41815-0458    | 09-48-3076  | A-41815-0472    | 09-48-2070  | A-41815-0486    | 09-48-2079  | A-41815-0500    |
| 8    | 09-48-2083  | A-41815-0459    | 09-48-3086  | A-41815-0473    | 09-48-2080  | A-41815-0487    | 09-48-2089  | A-41815-0501    |
| 9    | 09-48-2093  | A-41815-0460    | 09-48-3096  | A-41815-0474    | 09-48-2090  | A-41815-0488    | 09-48-2099  | A-41815-0502    |
| 10   | 09-48-2103  | A-41815-0461    | 09-48-3106  | A-41815-0475    | 09-48-2100  | A-41815-0489    | 09-48-2109  | A-41815-0503    |
| 11   | 09-48-2113  | A-41815-0462    | 09-48-3116  | A-41815-0476    | 09-48-2110  | A-41815-0490    | 09-48-2119  | A-41815-0504    |
| 12   | 09-48-2123  | A-41815-0463    | 09-48-3126  | A-41815-0477    | 09-48-2120  | A-41815-0491    | 09-48-2129  | A-41815-0505    |
| 13   | 09-48-2133  | A-41815-0464    | 09-48-3136  | A-41815-0478    | 09-48-2130  | A-41815-0492    | 09-48-2139  | A-41815-0506    |
| 14   | 09-48-2143  | A-41815-0465    | 09-48-3146  | A-41815-0479    | 09-48-2140  | A-41815-0493    | 09-48-2149  | A-41815-0507    |
| 15   | 09-48-2153  | A-41815-0466    | 09-48-3156  | A-41815-0480    | 09-48-2150  | A-41815-0494    | 09-48-2159  | A-41815-0508    |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| <b>REV:</b><br><br><b>AL3</b>               | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <b>SHEET No.</b><br><br><b>- 8 -</b> |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  |                                      |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                      |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>                                       | <b>APPROVED BY:</b><br><b>FSMITH</b> |





# KK 156 PCB ASSY 2-15 CKT

## 41815 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-102B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102 – 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 | Material No | Engineer Number | Material No | Engineer Number | Material No | Engineer Number |
|------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| 2    | 09-48-2028  | A-41815-0509    | 09-48-5028  | A-41815-0523    | 09-48-1025  | A-41815-0537    |             |                 |
| 3    | 09-48-2038  | A-41815-0510    | 09-48-5038  | A-41815-0524    | 09-48-1035  | A-41815-0538    | 41815-0551  | 41815-0551      |
| 4    | 09-48-2048  | A-41815-0511    | 09-48-5048  | A-41815-0525    | 09-48-1045  | A-41815-0539    | 41815-0552  | 41815-0552      |
| 5    | 09-48-2058  | A-41815-0512    | 09-48-5058  | A-41815-0526    | 09-48-1055  | A-41815-0540    | 41815-0553  | 41815-0553      |
| 6    | 09-48-2068  | A-41815-0513    | 09-48-5068  | A-41815-0527    | 09-48-1065  | A-41815-0541    | 41815-0554  | 41815-0554      |
| 7    | 09-48-2078  | A-41815-0514    | 09-48-5078  | A-41815-0528    | 09-48-1075  | A-41815-0542    | 41815-0555  | 41815-0555      |
| 8    | 09-48-2088  | A-41815-0515    | 09-48-5088  | A-41815-0529    | 09-48-1085  | A-41815-0543    | 41815-0556  | 41815-0556      |
| 9    | 09-48-2098  | A-41815-0516    | 09-48-5098  | A-41815-0530    | 09-48-1095  | A-41815-0544    | 41815-0557  | 41815-0557      |
| 10   | 09-48-2108  | A-41815-0517    | 09-48-5108  | A-41815-0531    | 09-48-1105  | A-41815-0545    | 41815-0558  | 41815-0558      |
| 11   | 09-48-2118  | A-41815-0518    | 09-48-5118  | A-41815-0532    | 09-48-1115  | A-41815-0546    | 41815-0559  | 41815-0559      |
| 12   | 09-48-2128  | A-41815-0519    | 09-48-5128  | A-41815-0533    | 09-48-1125  | A-41815-0547    | 41815-0560  | 41815-0560      |
| 13   | 09-48-2138  | A-41815-0520    | 09-48-5138  | A-41815-0534    | 09-48-1135  | A-41815-0548    | 41815-0561  | 41815-0561      |
| 14   | 09-48-2148  | A-41815-0521    | 09-48-5148  | A-41815-0535    | 09-48-1145  | A-41815-0549    | 41815-0562  | 41815-0562      |
| 15   | 09-48-2158  | A-41815-0522    | 09-48-5158  | A-41815-0536    | 09-48-1155  | A-41815-0550    | 41815-0563  | 41815-0563      |

|   |                             |  |  |                                      |
|---|-----------------------------|--|--|--------------------------------------|
| <b>REV:</b><br><b>AL3</b>                   | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB</b><br><b>41815 SERIES DWG</b> | <b>SHEET No.</b><br><br><b>- 9 -</b> |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  |                                      |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                      |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>   | <b>APPROVED BY:</b><br><b>FSMITH</b> |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | BOTTOM ENTRY      |
| Housing No:  | 41815-N-DN        |
| Options      | WITHOUT RAMPS     |
| Terminal No: | 6298-1-102        |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102               |
| 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: | 6298-1-102        |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102               |
| 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-102B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102 TIN           |
| Dim C:       | (3.68) / .145     |
| Voids:       | TERMINAL VOID 7   |
| Hooks Cut:   | NO                |
| Packaging:   | PK-41815-001 TRAY |

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-AN        |
| Options      | WITHOUT RAMP      |
| Terminal No: | 2144-BA-A1AA-102B |
| Term Matl:   | PHOS BRONZE       |
| Plating:     | 102 TIN           |
| Dim C:       | (3.05)/.120       |
| Voids:       | NONE              |
| Hooks Cut:   | YES               |
| Packaging:   | PK-41815-001 TRAY |

| Ckts | Material No | Engineer Number | Material No | Engineer Number | Material No | Engineer Number | Material No | Engineer Number |
|------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| 2    | 41815-0564  | A-41815-0564    |             |                 |             |                 |             |                 |
| 3    | 41815-0565  | A-41815-0565    | 41815-0579  | A-41815-0579    |             |                 |             |                 |
| 4    | 41815-0566  | A-41815-0566    | 41815-0580  | A-41815-0580    |             |                 |             |                 |
| 5    | 41815-0567  | A-41815-0567    | 41815-0581  | A-41815-0581    |             |                 |             |                 |
| 6    | 41815-0568  | A-41815-0568    | 41815-0582  | A-41815-0582    |             |                 | 41815-0605  | A-41815-0605    |
| 7    | 41815-0569  | A-41815-0569    | 41815-0583  | A-41815-0583    |             |                 |             |                 |
| 8    | 41815-0570  | A-41815-0570    | 41815-0584  | A-41815-0584    |             |                 |             |                 |
| 9    | 41815-0571  | A-41815-0571    | 41815-0585  | A-41815-0585    |             |                 |             |                 |
| 10   | 41815-0572  | A-41815-0572    | 41815-0586  | A-41815-0586    |             |                 |             |                 |
| 11   | 41815-0573  | A-41815-0573    | 41815-0587  | A-41815-0587    |             |                 |             |                 |
| 12   | 41815-0574  | A-41815-0574    | 41815-0588  | A-41815-0588    |             |                 |             |                 |
| 13   | 41815-0575  | A-41815-0575    | 41815-0589  | A-41815-0589    |             |                 |             |                 |
| 14   | 41815-0576  | A-41815-0576    | 41815-0590  | A-41815-0590    |             |                 |             |                 |
| 15   | 41815-0577  | A-41815-0577    | 41815-0591  | A-41815-0591    | 41815-0600  | A-41815-0600    |             |                 |

|   |                             |  |  |                                       |
|---|-----------------------------|--|--|---------------------------------------|
| <b>REV:</b><br><br><b>AL3</b>               | <b>ECR/ECN INFORMATION:</b> |  | <b>TITLE:</b><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <b>SHEET No.</b><br><br><b>- 10 -</b> |
|   | EC NO.                      | <b>UCP2007-2915</b>                            |  |                                       |
|   | DATE:                       | <b>5/22/2007</b>                               |  |                                       |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-41815</b> |                             | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b> | <b>CHECKED BY:</b><br><b>ADERR</b>                                       | <b>APPROVED BY:</b><br><b>FSMITH</b>  |