



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|      |              |                   |              |                   |              |                   |              |                   |
|------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
|      | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | BOTTOM ENTRY      | Assy. Proc:  | BOTTOM ENTRY      |
|      | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        |
|      | Options      | WITH RAMP         | Options      | WITH RAMP         | Options      | WITH RAMP         | Options      | WITH RAMP         |
|      | Terminal No: | 2144-BA-A1AA-102B | Terminal No: | 2144-BA-A1AA-208B | Terminal No: | 6298-1-102        | Terminal No: | 6298-1-208        |
|      | Term Matl:   | PHOS BRONZE       | Term Matl:   | PHOS BRONZE       | Term Matl:   | PHOS BRONZE       | Term Matl:   | PHOS BRONZE       |
|      | Plating:     | 102 TIN           | Plating:     | 208 – 15 GOLD     | Plating:     | 102 – TIN         | Plating:     | 208 – 15 GOLD     |
|      | Dim C:       | (3.68) / .145     | Dim C:       | (3.68) / .145     | Dim C:       | (3.18)/. 125      | Dim C:       | (3.18)/. 125      |
|      | Voids:       | NONE              | Voids:       | NONE              | Voids:       | NONE              | Voids:       | NONE              |
|      | Hooks Cut:   | NO                | Hooks Cut:   | NO                | Hooks Cut:   | NO                | Hooks Cut:   | NO                |
|      | Packaging:   | PK-41815-001 TRAY | 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    | 09-48-1024   | 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      |

|                                      |                      |                     |                                                               |                             |
|--------------------------------------|----------------------|---------------------|---------------------------------------------------------------|-----------------------------|
| REV:<br><b>AL6</b>                   | ECR/ECN INFORMATION: |                     | TITLE:<br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | SHEET No.<br><b>- 2 -</b>   |
|                                      | EC NO.               | <b>UCP2009-0167</b> |                                                               |                             |
|                                      | DATE:                | <b>10/30/2008</b>   |                                                               |                             |
| DOCUMENT NUMBER:<br><b>SDA-41815</b> |                      |                     | CREATED / REVISED BY:<br><b>MKIPPER</b>                       | CHECKED BY:<br><b>JBELL</b> |
|                                      |                      |                     | APPROVED BY:<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    |

|                                      |                      |                     |                                                               |                             |
|--------------------------------------|----------------------|---------------------|---------------------------------------------------------------|-----------------------------|
| REV:<br><b>AL6</b>                   | ECR/ECN INFORMATION: |                     | TITLE:<br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | SHEET No.<br><b>- 3 -</b>   |
|                                      | EC NO.               | <b>UCP2009-0167</b> |                                                               |                             |
|                                      | DATE:                | <b>10/30/2008</b>   |                                                               |                             |
| DOCUMENT NUMBER:<br><b>SDA-41815</b> |                      |                     | CREATED / REVISED BY:<br><b>MKIPPER</b>                       | CHECKED BY:<br><b>JBELL</b> |
|                                      |                      |                     | APPROVED BY:<br><b>FSMITH</b>                                 |                             |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|                              |             |                 |                                 |                 |             |                                |             |                 |                              |                 |  |
|------------------------------|-------------|-----------------|---------------------------------|-----------------|-------------|--------------------------------|-------------|-----------------|------------------------------|-----------------|--|
| Assy. Proc: BOTTOM ENTRY     |             |                 | Assy. Proc: TOP ENTRY           |                 |             | Assy. Proc: RIGHT ANGLE        |             |                 | Assy. Proc: BOTTOM ENTRY     |                 |  |
| Housing No: 41815-N-AN       |             |                 | Housing No: 41815-N-AN          |                 |             | Housing No: 41815-N-AN         |             |                 | Housing No: 41815-N-AN       |                 |  |
| Options WITH RAMP            |             |                 | Options WITH RAMP               |                 |             | Options WITH RAMP              |             |                 | Options WITH RAMP            |                 |  |
| Terminal No: 2188-1-P909     |             |                 | Terminal No: 2144-AA-A1AA-P909B |                 |             | Terminal No: 2144-AA-A1AA-122B |             |                 | Terminal No: 2188-1-102      |                 |  |
| Term Matl: BRASS             |             |                 | Term Matl: BRASS                |                 |             | Term Matl: BRASS               |             |                 | Term Matl: BRASS             |                 |  |
| Plating: P909 – TIN          |             |                 | Plating: P909 – TIN             |                 |             | Plating: 122 – TIN             |             |                 | Plating: 102 – TIN           |                 |  |
| Dim C: (3.18) / .125         |             |                 | Dim C: (3.05) / .120            |                 |             | Dim C: (3.68) / .145           |             |                 | Dim C: (3.18) / .125         |                 |  |
| Voids: NONE                  |             |                 | Voids: NONE                     |                 |             | Voids: NONE                    |             |                 | Voids: NONE                  |                 |  |
| Hooks Cut: NO                |             |                 | Hooks Cut: YES                  |                 |             | Hooks Cut: NO                  |             |                 | Hooks Cut: NO                |                 |  |
| Packaging: PK-41815-001 TRAY |             |                 | 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 | Material No                  | Engineer Number |  |
| 2                            | 09-48-2022  | A-41815-0100    | 09-48-2025                      | A-41815-0114    | 41815-0128  | A-41815-0128                   | 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                   | 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                   | 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                   | 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                   | 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                   | 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                   | 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                   | 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                   | 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                   | 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                   | 09-48-1122  | 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                   | 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                   | 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                   | 41815-0141  | A-41815-0141    | 09-48-4152                   | A-41815-0155    |  |

|                                          |                      |                     |                                                                   |                                 |                                   |
|------------------------------------------|----------------------|---------------------|-------------------------------------------------------------------|---------------------------------|-----------------------------------|
| REV:<br><br><b>AL6</b>                   | ECR/ECN INFORMATION: |                     | TITLE:<br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | SHEET No.<br><br><b>- 4 -</b>   |                                   |
|                                          | EC NO.               | <b>UCP2009-0167</b> |                                                                   |                                 |                                   |
|                                          | DATE:                | <b>10/30/2008</b>   |                                                                   |                                 |                                   |
| DOCUMENT NUMBER:<br><br><b>SDA-41815</b> |                      |                     | CREATED / REVISED BY:<br><br><b>MKIPPER</b>                       | CHECKED BY:<br><br><b>JBELL</b> | APPROVED BY:<br><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      |
|      | Void:        |                 | Void:        | NONE              | Void:        | NONE              | Void:        | NONE               |
|      | Hook Cut:    |                 | Hook Cut:    | NO                | Hook Cut:    | NO                | Hook 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       |

|                               |                      |              |                                  |                                             |                        |
|-------------------------------|----------------------|--------------|----------------------------------|---------------------------------------------|------------------------|
| REV:                          | ECR/ECN INFORMATION: |              | TITLE:                           | KK 156 HOUSING ASSY PCB<br>41815 SERIES DWG | SHEET No.<br><br>- 5 - |
|                               | EC NO.               | UCP2009-0167 |                                  |                                             |                        |
|                               | DATE:                | 10/30/2008   |                                  |                                             |                        |
| DOCUMENT NUMBER:<br>SDA-41815 |                      |              | CREATED / REVISED BY:<br>MKIPPER | CHECKED BY:<br>JBELL                        | APPROVED BY:<br>FSMITH |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|      |              |                   |              |                   |              |                   |              |                    |
|------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|--------------------|
|      | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | BOTTOM ENTRY      | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | TOP ENTRY          |
|      | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-DN        | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-DN         |
|      | Options      | WITH RAMP         | Options      | NO RAMPS          | Options      | WITH RAMP         | Options      | NO RAMPS           |
|      | Terminal No: | 2144-AA-A1AA-228B | Terminal No: | 2188-P909         | Terminal No: | 2144-AA-A1AA-505B | Terminal No: | 2144-AA-A1AA-P909B |
|      | Term Matl:   | BRASS             | Term Matl:   | BRASS             | Term Matl:   | BRASS             | Term Matl:   | BRASS              |
|      | Plating:     | 228 – GOLD        | Plating:     | P909 – TIN        | Plating:     | 505 – GOLD        | Plating:     | P909 – TIN         |
|      | Dim C:       | (3.68) / .145     | Dim C:       | (4.06) / .160     | Dim C:       | (3.68) / .145     | Dim C:       | (3.05) / .120      |
|      | Voids:       | NONE              | Voids:       | NONE              | Voids:       | NONE              | Voids:       | NONE               |
|      | Hooks Cut:   | NO                | Hooks Cut:   | YES               | Hooks Cut:   | NO                | Hooks Cut:   | NO                 |
|      | Packaging:   | PK-41815-001 TRAY | 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    | 09-48-5023   | 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       |

|                                      |                      |                     |                                                               |                             |
|--------------------------------------|----------------------|---------------------|---------------------------------------------------------------|-----------------------------|
| REV:<br><b>AL6</b>                   | ECR/ECN INFORMATION: |                     | TITLE:<br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | SHEET No.<br><b>- 6 -</b>   |
|                                      | EC NO.               | <b>UCP2009-0167</b> |                                                               |                             |
|                                      | DATE:                | <b>10/30/2008</b>   |                                                               |                             |
| DOCUMENT NUMBER:<br><b>SDA-41815</b> |                      |                     | CREATED / REVISED BY:<br><b>MKIPPER</b>                       | CHECKED BY:<br><b>JBELL</b> |
|                                      |                      |                     | APPROVED BY:<br><b>FSMITH</b>                                 |                             |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|      |              |                   |              |                   |              |                   |              |                   |
|------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
|      | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | BOTTOM ENTRY      | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | BOTTOM ENTRY      |
|      | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN        |
|      | Options      | WITH RAMP         | Options      | WITH RAMP         | Options      | WITH RAMP         | Options      | WITH RAMP         |
|      | Terminal No: | 4244-A-102A       | Terminal No: | 2188-1-122        | Terminal No: | 2144-AA-A1AA-208B | Terminal No: | 2188-1-208        |
|      | Term Matl:   | PHOS BRONZE       | Term Matl:   | BRASS             | Term Matl:   | BRASS             | Term Matl:   | BRASS             |
|      | Plating:     | 102 – TIN         | Plating:     | TIN – 122         | Plating:     | 208 – 15 GOLD     | Plating:     | 208 – 15 GOLD     |
|      | Dim C:       | (3.68) / .145     | Dim C:       | (3.18) / .125     | Dim C:       | (3.68) / .145     | Dim C:       | (3.18) / .125     |
|      | Voids:       | NONE              | Voids:       | NONE              | Voids:       | NONE              | Voids:       | NONE              |
|      | Hooks Cut:   | NO                | Hooks Cut:   | NO                | Hooks Cut:   | NO                | Hooks Cut:   | NO                |
|      | Packaging:   | PK-41815-001 TRAY | 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    | 09-48-1023   | 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      |

|                                                  |                      |                     |                                                                          |                                        |                                          |
|--------------------------------------------------|----------------------|---------------------|--------------------------------------------------------------------------|----------------------------------------|------------------------------------------|
| REV:<br><br><b>AL6</b>                           | ECR/ECN INFORMATION: |                     | <u>TITLE:</u><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <u>SHEET No.</u><br><br><b>- 7 -</b>   |                                          |
|                                                  | EC NO.               | <b>UCP2009-0167</b> |                                                                          |                                        |                                          |
|                                                  | DATE:                | <b>10/30/2008</b>   |                                                                          |                                        |                                          |
| <u>DOCUMENT NUMBER:</u><br><br><b>SDA-41815</b>  |                      |                     | <u>CREATED / REVISED BY:</u><br><br><b>MKIPPER</b>                       | <u>CHECKED BY:</u><br><br><b>JBELL</b> | <u>APPROVED BY:</u><br><br><b>FSMITH</b> |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                      |                     |                                                                          |                                        |                                          |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|      |              |                    |              |                   |              |                    |              |                   |
|------|--------------|--------------------|--------------|-------------------|--------------|--------------------|--------------|-------------------|
|      | Assy. Proc:  | TOP ENTRY          | Assy. Proc:  | TOP ENTRY         | Assy. Proc:  | RIGHT ANGLE        | Assy. Proc:  | BOTTOM ENTRY      |
|      | Housing No:  | 41815-N-AN         | Housing No:  | 41815-N-AN        | Housing No:  | 41815-N-AN         | Housing No:  | 41815-N-AN        |
|      | Options      | WITH RAMP          | Options      | WITH RAMP         | Options      | WITH RAMP          | Options      | WITH RAMP         |
|      | Terminal No: | 2144-AA-A1AA-P909B | Terminal No: | 2144-AA-A1AA-208B | Terminal No: | 2144-BA-A1AA-P909B | Terminal No: | 6298-1-P909       |
|      | Term Matl:   | BRASS              | Term Matl:   | BRASS             | Term Matl:   | PHOS BRONZE        | Term Matl:   | PHOS BRONZE       |
|      | Plating:     | P909 – TIN         | Plating:     | 208 – 15 GOLD     | Plating:     | P909 – TIN         | Plating:     | P909 – TIN        |
|      | Dim C:       | (3.05) / .120      | Dim C:       | (3.05) / .120     | Dim C:       | (3.68) / .145      | Dim C:       | (3.18) / .125     |
|      | Voids:       | NONE               | Voids:       | NONE              | Voids:       | NONE               | Voids:       | NONE              |
|      | Hooks Cut:   | NO                 | Hooks Cut:   | NO                | Hooks Cut:   | NO                 | Hooks Cut:   | NO                |
|      | Packaging:   | PK-41815-001 TRAY  | 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    | 09-48-2023   | 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      |

|                                      |                      |                     |                                                               |                             |
|--------------------------------------|----------------------|---------------------|---------------------------------------------------------------|-----------------------------|
| REV:<br><b>AL6</b>                   | ECR/ECN INFORMATION: |                     | TITLE:<br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | SHEET No.<br><b>- 8 -</b>   |
|                                      | EC NO.               | <b>UCP2009-0167</b> |                                                               |                             |
|                                      | DATE:                | <b>10/30/2008</b>   |                                                               |                             |
| DOCUMENT NUMBER:<br><b>SDA-41815</b> |                      |                     | CREATED / REVISED BY:<br><b>MKIPPER</b>                       | CHECKED BY:<br><b>JBELL</b> |
|                                      |                      |                     | APPROVED BY:<br><b>FSMITH</b>                                 |                             |

TEMPLATE FILENAME: PRODUCT\_SPEC[SIZE\_A](V.1).DOC



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|                                 |             |                 |                                |                 |             |                                |             |                 |                              |                 |  |
|---------------------------------|-------------|-----------------|--------------------------------|-----------------|-------------|--------------------------------|-------------|-----------------|------------------------------|-----------------|--|
| Assy. Proc: TOP ENTRY           |             |                 | Assy. Proc: TOP ENTRY          |                 |             | Assy. Proc: TOP ENTRY          |             |                 | Assy. Proc: BOTTOM ENTRY     |                 |  |
| Housing No: 41815-N-AN          |             |                 | Housing No: 41815-N-AN         |                 |             | Housing No: 41815-N-AN         |             |                 | Housing No: 41815-N-AN       |                 |  |
| Options WITH RAMP               |             |                 | Options WITH RAMP              |                 |             | Options WITH RAMP              |             |                 | Options WITH RAMP            |                 |  |
| Terminal No: 2144-BA-A1AA-P909B |             |                 | Terminal No: 2144-BA-A1AA-102B |                 |             | Terminal No: 2144-BA-A1AA-208B |             |                 | Terminal No: 2188-1-208      |                 |  |
| Term Matl: PHOS BRONZE          |             |                 | Term Matl: PHOS BRONZE         |                 |             | Term Matl: PHOS BRONZE         |             |                 | Term Matl: BRASS             |                 |  |
| Plating: P909 – TIN             |             |                 | Plating: 102 – TIN             |                 |             | Plating: 208 – 15 GOLD         |             |                 | Plating: 208 – 15 GOLD       |                 |  |
| Dim C: (3.05) / .120            |             |                 | Dim C: (3.05) / .120           |                 |             | Dim C: (3.05) / .120           |             |                 | Dim C: (3.18) / .125         |                 |  |
| Voids: NONE                     |             |                 | Voids: NONE                    |                 |             | Voids: NONE                    |             |                 | Voids: TERMINAL VOID 2       |                 |  |
| Hooks Cut: NO                   |             |                 | Hooks Cut: YES                 |                 |             | Hooks Cut: YES                 |             |                 | Hooks Cut: NO                |                 |  |
| Packaging: PK-41815-001 TRAY    |             |                 | 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 | 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      |                              |                 |  |

|                                                  |                      |                     |                                                                          |                                        |                                          |
|--------------------------------------------------|----------------------|---------------------|--------------------------------------------------------------------------|----------------------------------------|------------------------------------------|
| REV:<br><br><b>AL6</b>                           | ECR/ECN INFORMATION: |                     | <u>TITLE:</u><br><br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | <u>SHEET No.</u><br><br><b>- 9 -</b>   |                                          |
|                                                  | EC NO.               | <b>UCP2009-0167</b> |                                                                          |                                        |                                          |
|                                                  | DATE:                | <b>10/30/2008</b>   |                                                                          |                                        |                                          |
| <u>DOCUMENT NUMBER:</u><br><br><b>SDA-41815</b>  |                      |                     | <u>CREATED / REVISED BY:</u><br><br><b>MKIPPER</b>                       | <u>CHECKED BY:</u><br><br><b>JBELL</b> | <u>APPROVED BY:</u><br><br><b>FSMITH</b> |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                      |                     |                                                                          |                                        |                                          |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|      |              |                   |              |                   |              |                   |              |                   |
|------|--------------|-------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
|      | Assy. Proc:  | BOTTOM ENTRY      | Assy. Proc:  | BOTTOM ENTRY      | Assy. Proc:  | RIGHT ANGLE       | Assy. Proc:  | TOP ENTRY         |
|      | Housing No:  | 41815-N-DN        | Housing No:  | 41815-N-DN        | Housing No:  | 41815-N-A15-7     | Housing No:  | 41815-N-DN        |
|      | Options      | WITHOUT RAMPS     | Options      | WITHOUT RAMPS     | Options      | WITH RAMP         | Options      | WITHOUT RAMP      |
|      | Terminal No: | 6298-1-102        | Terminal No: | 6298-1-102        | Terminal No: | 2144-BA-A1AA-102B | Terminal No: | 2144-BA-A1AA-102B |
|      | Term Matl:   | PHOS BRONZE       | Term Matl:   | PHOS BRONZE       | Term Matl:   | PHOS BRONZE       | Term Matl:   | PHOS BRONZE       |
|      | Plating:     | 102               | Plating:     | 102               | Plating:     | 102 TIN           | Plating:     | 102 TIN           |
|      | Dim C:       | 3.18 / .125       | Dim C:       | 3.18 / .125       | Dim C:       | (3.68) / .145     | Dim C:       | (3.05)/.120       |
|      | Voids:       | NONE              | Voids:       | TERMINAL VOID 2   | Voids:       | TERMINAL VOID 7   | Voids:       | NONE              |
|      | Hooks Cut:   | NO                | Hooks Cut:   | NO                | Hooks Cut:   | NO                | Hooks Cut:   | YES               |
|      | Packaging:   | PK-41815-001 TRAY | 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    | 41815-0564   | A-41815-0564      |              |                   |              |                   | 41815-0601   | A-41815-0601      |
| 3    | 41815-0565   | A-41815-0565      | 41815-0579   | A-41815-0579      |              |                   | 41815-0602   | A-41815-0602      |
| 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      |              |                   |

|                                                  |                      |              |                       |                                             |                         |
|--------------------------------------------------|----------------------|--------------|-----------------------|---------------------------------------------|-------------------------|
| REV:                                             | ECR/ECN INFORMATION: |              | TITLE:                | KK 156 HOUSING ASSY PCB<br>41815 SERIES DWG | SHEET No.<br><br>- 10 - |
|                                                  | EC NO.               | UCP2009-0167 |                       |                                             |                         |
|                                                  | DATE:                | 10/30/2008   |                       |                                             |                         |
| DOCUMENT NUMBER:                                 |                      |              | CREATED / REVISED BY: | CHECKED BY:                                 | APPROVED BY:            |
| SDA-41815                                        |                      |              | MKIPPER               | JBELL                                       | FSMITH                  |
| TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC |                      |              |                       |                                             |                         |



# KK 156 PCB ASSY 2-15 CKT

## 41815 SERIES

|              |                   |
|--------------|-------------------|
| Assy. Proc:  | RIGHT ANGLE       |
| Housing No:  | 41815-N-DN        |
| Options      | WITHOUT 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:  | 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  |

| 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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|--------------------------------------|----------------------|---------------------|---------------------------------------------------------------|-----------------------------|
| REV:<br><b>AL6</b>                   | ECR/ECN INFORMATION: |                     | TITLE:<br><b>KK 156 HOUSING ASSY PCB<br/>41815 SERIES DWG</b> | SHEET No.<br><b>- 11 -</b>  |
|                                      | EC NO.               | <b>UCP2009-0167</b> |                                                               |                             |
|                                      | DATE:                | <b>10/30/2008</b>   |                                                               |                             |
| DOCUMENT NUMBER:<br><b>SDA-41815</b> |                      |                     | CREATED / REVISED BY:<br><b>MKIPPER</b>                       | CHECKED BY:<br><b>JBELL</b> |
|                                      |                      |                     | APPROVED BY:<br><b>FSMITH</b>                                 |                             |