

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0022182131](#)  
**Status:** **Active**  
**Overview:** [kk](#)  
**Description:** 2.54mm (.100") Pitch KK® PC Board Connector, Top Entry, with Cat Ear Terminal, 0.38µm (15µ") Gold (Au), 13 Circuits, With Hooks

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

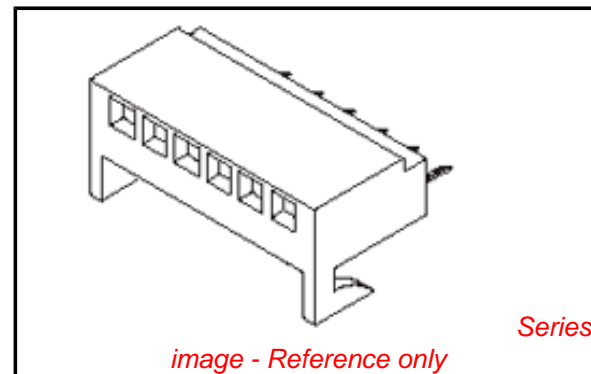
Product Family PCB Receptacles  
 Series [4455](#)  
 Application Board-to-Board  
 Comments With Hooks  
 Overview [kk](#)  
 Product Name KK®

**Physical**

Circuits (Loaded) 13  
 Color - Resin Natural (White)  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part No  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length (in) 0.132 In  
 PC Tail Length (mm) 3.35 mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness Recommended (in) 0.062 In  
 PCB Thickness Recommended (mm) 1.60 mm  
 Packaging Type Tray  
 Pitch - Mating Interface (in) 0.100 In  
 Pitch - Mating Interface (mm) 2.54 mm  
 Plating min: Mating (µin) 15  
 Plating min: Mating (µm) 0.375  
 Plating min: Termination (µin) 100  
 Plating min: Termination (µm) 2.5  
 Polarized to PCB No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating 0°C to +75°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 2.5A  
 Grounding to PCB No



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[4455Series](#)

**Mates With**

[42153](#) KK® Wire-to-Board Header, [4094](#) KK® Wire-to-Board Header, [42376](#) KK® Header, [42375](#) KK® Header, [42377](#) KK® Header, [70021](#) SL™ Crimp Terminal, [70475](#) SL™ Insulation Displacement Connector, [42152](#) KK® Wire-to-Board Heade

Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 5  
Lead-free Process Capability Wave Capable (TH only)  
Max. Cycles at Max. Process Temperature 1  
Process Temperature max. C 235

**Material Info**

Old Part Number A-4455-CZ13A(208)

**Reference - Drawing Numbers**

Sales Drawing SDA-4455

This document was generated on 05/31/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

| NO. OF CKTS. | DIM. A                    | DIM. B                    |
|--------------|---------------------------|---------------------------|
| 1            | (2.44±.15)<br>.096±.006   | —                         |
| 2            | (4.98±.15)<br>.196±.006   | (2.54±.10)<br>.100±.004   |
| 3            | (7.52±.15)<br>.296±.006   | (5.08±.10)<br>.200±.004   |
| 4            | (10.06±.15)<br>.396±.006  | (7.62±.10)<br>.300±.004   |
| 5            | (12.60±.18)<br>.496±.007  | (10.16±.13)<br>.400±.005  |
| 6            | (15.14±.18)<br>.596±.007  | (12.70±.13)<br>.500±.005  |
| 7            | (17.68±.20)<br>.696±.008  | (15.24±.15)<br>.600±.006  |
| 8            | (20.22±.20)<br>.796±.008  | (17.78±.15)<br>.700±.006  |
| 9            | (22.76±.20)<br>.896±.008  | (20.32±.15)<br>.800±.006  |
| 10           | (25.30±.25)<br>.996±.010  | (22.86±.20)<br>.900±.008  |
| 11           | (27.84±.25)<br>1.096±.010 | (25.40±.20)<br>1.000±.008 |
| 12           | (30.38±.25)<br>1.196±.010 | (27.94±.20)<br>1.100±.008 |
| 13           | (32.92±.25)<br>1.296±.010 | (30.48±.20)<br>1.200±.008 |
| 14           | (35.46±.25)<br>1.396±.010 | (33.02±.20)<br>1.300±.008 |
| 15           | (38.00±.28)<br>1.496±.011 | (35.56±.23)<br>1.400±.009 |
| 16           | (40.54±.28)<br>1.596±.011 | (38.10±.23)<br>1.500±.009 |
| 17           | (43.08±.28)<br>1.696±.011 | (40.64±.23)<br>1.600±.009 |
| 18           | (45.62±.28)<br>1.796±.011 | (43.18±.23)<br>1.700±.009 |
| 19           | (48.16±.28)<br>1.896±.011 | (45.72±.23)<br>1.800±.009 |
| 20           | (50.70±.30)<br>1.996±.012 | (48.26±.25)<br>1.900±.010 |
| 21           | (53.24±.30)<br>2.096±.012 | (50.80±.25)<br>2.000±.010 |
| 22           | (55.78±.30)<br>2.196±.012 | (53.34±.25)<br>2.100±.010 |
| 23           | (58.32±.30)<br>2.296±.012 | (55.88±.25)<br>2.200±.010 |
| 24           | (60.86±.30)<br>2.396±.012 | (58.42±.30)<br>2.300±.012 |
| 25           | (63.40±.38)<br>2.496±.015 | (60.96±.30)<br>2.400±.012 |



|   |  |
|---|--|
| HOUSING OPTION A<br>4455-AN                               |  |
| 4455-N HOUSING WITH CENTER HOOK                           |  |
| HOUSING OPTION B<br>4455-BN                               |  |
| 4455-N HOUSING WITH RAMP AND POLARIZING                   |  |
| HOUSING OPTION E<br>4455-NHH                              |  |
| 4455-N HOUSING WITH REINFORCED HOOKS                      |  |
| HOUSING OPTION H<br>4455-N2                               |  |
| STANDARD HOUSING<br>4455-NR                               |  |
| 4455-N WITH RAMP (PCB HOOKS CUT OFF)                      |  |
| HOUSING OPTION R<br>4455-NR                               |  |
| 4455-N WITH RAMP<br>HOUSING OPTION W<br>4455-N            |  |
| 4455-N-2 MOLDED VOID IN CKT 2<br>(PC BOARD HOOKS CUT OFF) |  |
| HOUSING OPTION Y<br>4455-N                                |  |
| 4455-N<br>WITH PC BOARD HOOKS CUT OFF                     |  |
| HOUSING OPTION Z<br>4455-N                                |  |
| STANDARD HOUSING  |  |

- NOTES:
- MATERIAL: NYLON, UL 94V-0, COLOR: WHITE
  - FINISH:
    - \*(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.
    - (231) - SELECT GOLD: (0.00127)/.000050 MIN., SELECT TIN: (0.00254)/.000100 MIN. OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
    - (565) - SELECT GOLD: (0.00051)/.000020 MIN., OVERALL NICKEL: (0.00076)/.000030 MIN. OVERALL GOLD FLASH: (0.00005)/.000002 MIN.
    - \*(P909) - OVERALL TIN: (0.00254)/.000100 MIN.
  - THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.
  - PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
  - PACKAGING: SEE CHARTS.
  - PARTS MUST CONFORM TO SOLDERABILITY SPEC 152.
  - PARTS ARE STACKABLE END TO END ON (2.54)/.100 CENTERS.
  - TYPICAL PCB THICKNESS: (1.57)/.062
  - PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

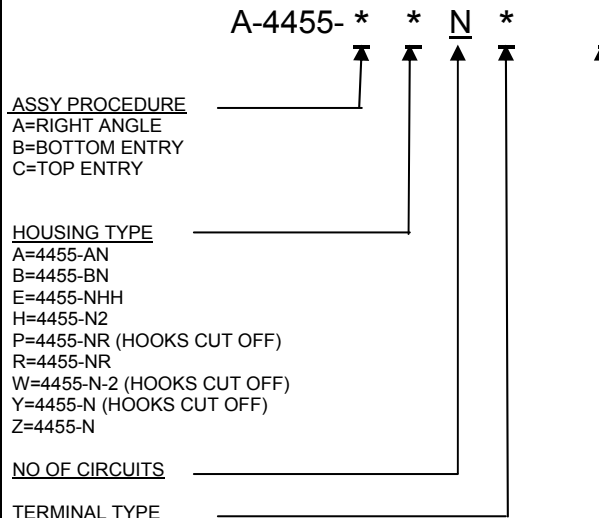
|   |                               |  |   |   |   |
|---|-------------------------------|--|---|---|---|
| ADD 26-01-3099<br>EC NO: UCP2010-2172<br>DRWN:WKIPPER 2010/04/15<br>CHKD:JBELL 2010/04/15<br>APPR:FSMITH 2010/04/15<br>D7 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± 0.25 ± .015<br>1 PLACE ± 0.36 ± ---<br>ANGULAR ±1/2° | DIMENSION STYLE<br>MM/IN<br>DRAWN BY DATE<br>SAMIEC 10/5/84<br>CHECKED BY DATE<br>PATEL 10/5/84<br>APPROVED BY DATE<br>LENZ 10/5/84 | SCALE<br>---<br>DESIGN UNITS<br>INCH<br>THIRD ANGLE PROJECTION  | TITLE<br>KK 100 PCB ASSY<br>4455 SERIES DWG |
|   |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS   | MATERIAL NO.<br>SEE CHART<br>SIZE<br>B  | DOCUMENT NO.<br>SDA-4455<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | SHEET NO.<br>1 OF *                         |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

STANDARD PRODUCT



| Code | Number     | Material    | Form        |
|------|------------|-------------|-------------|
| A    | 4316-4     | Brass       | Standard    |
| B    | 6516-4     | Phos Bronze | Standard    |
| C    | 6516-5C    | Phos Bronze | Cat Ear / V |
| D    | 4316-3B    | Brass       | Std / V     |
| F    | 6516-6C    | Phos Bronze | Cat Ear / V |
| G    | 4316-3     | Brass       | Standard    |
| J    | 6516-3B    | Phos Bronze | Std / V     |
| L    | 6516-3C    | Phos Bronze | Cat Ear / V |
| M    | 6516-4A    | Phos Bronze | Cat Ear     |
| S    | 30432-0200 | Phos Bronze | Humpback    |
| T    | 4316-4A    | Brass       | Cat Ear     |

PLATING \_\_\_\_\_  
(SEE SHEET 1)

**VOID LOCATION**  
NUMBER = CIRCUIT VOIDED  
MULTIPLE VOIDS START WITH 51  
BLANK = NONE

| Ckts |
|------|
| 2    |
| 3    |
| 4    |
| 5    |
| 6    |
| 7    |
| 8    |
| 9    |
| 10   |
| 11   |
| 12   |
| 13   |
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| 18   |
| 19   |
| 20   |
| 21   |
| 22   |
| 23   |
| 24   |
| 25   |

|              |              |
|--------------|--------------|
| Assy Proc:   | RIGHT ANGLE  |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 4316-4(P909) |
| Dim C:       | 3.35 / .132  |
| Plating:     | P909         |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

| Material No | Engineer Number    |
|-------------|--------------------|
| 22-15-2026  | A-4455-AZ02A(P909) |
| 22-15-2036  | A-4455-AZ03A(P909) |
| 22-15-2046  | A-4455-AZ04A(P909) |
| 22-15-2056  | A-4455-AZ05A(P909) |
| 22-15-2066  | A-4455-AZ06A(P909) |
| 22-15-2076  | A-4455-AZ07A(P909) |
| 22-15-2086  | A-4455-AZ08A(P909) |
| 22-15-2096  | A-4455-AZ09A(P909) |
| 22-15-2106  | A-4455-AZ10A(P909) |
| 22-15-2116  | A-4455-AZ11A(P909) |
| 22-15-2126  | A-4455-AZ12A(P909) |
| 22-15-2136  | A-4455-AZ13A(P909) |
| 22-15-2146  | A-4455-AZ14A(P909) |
| 22-15-2156  | A-4455-AZ15A(P909) |
| 22-15-2166  | A-4455-AZ16A(P909) |
| 22-15-2176  | A-4455-AZ17A(P909) |
| 22-15-2186  | A-4455-AZ18A(P909) |
| 22-15-2196  | A-4455-AZ19A(P909) |
| 22-15-2206  | A-4455-AZ20A(P909) |
| 22-15-2216  | A-4455-AZ21A(P909) |
| 22-15-2226  | A-4455-AZ22A(P909) |
| 22-15-2236  | A-4455-AZ23A(P909) |
| 22-15-2246  | A-4455-AZ24A(P909) |
| 22-15-2256  | A-4455-AZ25A(P909) |

|              |              |
|--------------|--------------|
| Assy Proc:   | RIGHT ANGLE  |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 4316-4(565)  |
| Dim C:       | 3.35 / .132  |
| Plating:     | 565          |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

| Material No | Engineer Number   |
|-------------|-------------------|
| 22-16-2021  | A-4455-AZ02A(565) |
| 22-16-2031  | A-4455-AZ03A(565) |
| 22-16-2041  | A-4455-AZ04A(565) |
| 22-16-2051  | A-4455-AZ05A(565) |
| 22-16-2061  | A-4455-AZ06A(565) |
| 22-16-2071  | A-4455-AZ07A(565) |
| 22-16-2081  | A-4455-AZ08A(565) |
| 22-16-2091  | A-4455-AZ09A(565) |
| 22-16-2101  | A-4455-AZ10A(565) |
| 22-16-2111  | A-4455-AZ11A(565) |
| 22-16-2121  | A-4455-AZ12A(565) |
| 22-16-2131  | A-4455-AZ13A(565) |
| 22-16-2141  | A-4455-AZ14A(565) |
| 22-16-2151  | A-4455-AZ15A(565) |
| 22-16-2161  | A-4455-AZ16A(565) |
| 22-16-2171  | A-4455-AZ17A(565) |
| 22-16-2181  | A-4455-AZ18A(565) |
| 22-16-2191  | A-4455-AZ19A(565) |
| 22-16-2201  | A-4455-AZ20A(565) |
| 22-16-2211  | A-4455-AZ21A(565) |
| 22-16-2221  | A-4455-AZ22A(565) |
| 22-16-2231  | A-4455-AZ23A(565) |
| 22-16-2241  | A-4455-AZ24A(565) |
| 22-16-2251  | A-4455-AZ25A(565) |

|                                     |   |  |                               |
|-------------------------------------|---|--|-------------------------------|
| REV:<br><b>D7</b>                   | ECR/ECN INFORMATION:<br>EC No.: <b>UCP2010-2172</b><br>DATE: <b>4/15/2010</b> | TITLE:<br><b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | SHEET No.<br><b>- 2 -</b>     |
| DOCUMENT NUMBER:<br><b>SDA-4455</b> | CREATED / REVISED BY:<br><b>MKIPPER</b>                                       | CHECKED BY:<br><b>JBELL</b>                          | APPROVED BY:<br><b>FSMITH</b> |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

STANDARD PRODUCT

| Ckts | Assy Proc: RIGHT ANGLE |                     | Assy Proc: BOTTOM ENTRY |                      | Assy Proc: BOTTOM ENTRY |                     | Assy Proc: BOTTOM ENTRY |                     |
|------|------------------------|---------------------|-------------------------|----------------------|-------------------------|---------------------|-------------------------|---------------------|
|      | Hooks Cut:             | NO                  | Hooks Cut:              | NO                   | Hooks Cut:              | NO                  | Hooks Cut:              | NO                  |
|      | Housing No:            | 4455-N              | Housing No:             | 4455-N2              | Housing No:             | 4455-N2             | Housing No:             | 4455-N2             |
|      | Terminal No:           | 4316-4(208)         | Terminal No:            | 4316-3B(P909)        | Terminal No:            | 4316-3B(565)        | Terminal No:            | 4316-3B(208)        |
|      | Dim C:                 | 3.35 / .132         | Dim C:                  | 3.35 / .132          | Dim C:                  | 3.35 / .132         | Dim C:                  | 3.35 / .132         |
|      | Plating:               | 208                 | Plating:                | P909                 | Plating:                | 565                 | Plating:                | 208                 |
|      | Packaging:             | PK-44646-001        | Packaging:              | PK-44646-001         | Packaging:              | PK-44646-001        | Packaging:              | PK-44646-001        |
|      | Voids:                 | NONE                | Voids:                  | NONE                 | Voids:                  | NONE                | Voids:                  | NONE                |
|      | Material No            | Engineer Number     | Material No             | Engineer Number      | Material No             | Engineer Number     | Material No             | Engineer Number     |
| 2    | 22-16-2020             | A-4455-AZ02A(208)   | 22-14-2024              | A-4455-BH02D(P909)   | 22-17-2022              | A-4455-BH02D(565)   | 22-17-3022              | A-4455-BH02D(208)   |
| 3    | 22-16-2030             | A-4455-AZ 03 A(208) | 22-14-2034              | A-4455-BH 03 D(P909) | 22-17-2032              | A-4455-BH 03 D(565) | 22-17-3032              | A-4455-BH 03 D(208) |
| 4    | 22-16-2040             | A-4455-AZ 04 A(208) | 22-14-2044              | A-4455-BH 04 D(P909) | 22-17-2042              | A-4455-BH 04 D(565) | 22-17-3042              | A-4455-BH 04 D(208) |
| 5    | 22-16-2050             | A-4455-AZ 05 A(208) | 22-14-2054              | A-4455-BH 05 D(P909) | 22-17-2052              | A-4455-BH 05 D(565) | 22-17-3052              | A-4455-BH 05 D(208) |
| 6    | 22-16-2060             | A-4455-AZ 06 A(208) | 22-14-2064              | A-4455-BH 06 D(P909) | 22-17-2062              | A-4455-BH 06 D(565) | 22-17-3062              | A-4455-BH 06 D(208) |
| 7    | 22-16-2070             | A-4455-AZ 07 A(208) | 22-14-2074              | A-4455-BH 07 D(P909) | 22-17-2072              | A-4455-BH 07 D(565) | 22-17-3072              | A-4455-BH 07 D(208) |
| 8    | 22-16-2080             | A-4455-AZ 08 A(208) | 22-14-2084              | A-4455-BH 08 D(P909) | 22-17-2082              | A-4455-BH 08 D(565) | 22-17-3082              | A-4455-BH 08 D(208) |
| 9    | 22-16-2090             | A-4455-AZ 09 A(208) | 22-14-2094              | A-4455-BH 09 D(P909) | 22-17-2092              | A-4455-BH 09 D(565) | 22-17-3092              | A-4455-BH 09 D(208) |
| 10   | 22-16-2100             | A-4455-AZ 10 A(208) | 22-14-2104              | A-4455-BH 10 D(P909) | 22-17-2102              | A-4455-BH 10 D(565) | 22-17-3102              | A-4455-BH 10 D(208) |
| 11   | 22-16-2110             | A-4455-AZ 11 A(208) | 22-14-2114              | A-4455-BH 11 D(P909) | 22-17-2112              | A-4455-BH 11 D(565) | 22-17-3112              | A-4455-BH 11 D(208) |
| 12   | 22-16-2120             | A-4455-AZ 12 A(208) | 22-14-2124              | A-4455-BH 12 D(P909) | 22-17-2122              | A-4455-BH 12 D(565) | 22-17-3122              | A-4455-BH 12 D(208) |
| 13   | 22-16-2130             | A-4455-AZ 13 A(208) | 22-14-2134              | A-4455-BH 13 D(P909) | 22-17-2132              | A-4455-BH 13 D(565) | 22-17-3132              | A-4455-BH 13 D(208) |
| 14   | 22-16-2140             | A-4455-AZ 14 A(208) | 22-14-2144              | A-4455-BH 14 D(P909) | 22-17-2142              | A-4455-BH 14 D(565) | 22-17-3142              | A-4455-BH 14 D(208) |
| 15   | 22-16-2150             | A-4455-AZ 15 A(208) | 22-14-2154              | A-4455-BH 15 D(P909) | 22-17-2152              | A-4455-BH 15 D(565) | 22-17-3152              | A-4455-BH 15 D(208) |
| 16   | 22-16-2160             | A-4455-AZ 16 A(208) | 22-14-2164              | A-4455-BH 16 D(P909) | 22-17-2162              | A-4455-BH 16 D(565) | 22-17-3162              | A-4455-BH 16 D(208) |
| 17   | 22-16-2170             | A-4455-AZ 17 A(208) | 22-14-2174              | A-4455-BH 17 D(P909) | 22-17-2172              | A-4455-BH 17 D(565) | 22-17-3172              | A-4455-BH 17 D(208) |
| 18   | 22-16-2180             | A-4455-AZ 18 A(208) | 22-14-2184              | A-4455-BH 18 D(P909) | 22-17-2182              | A-4455-BH 18 D(565) | 22-17-3182              | A-4455-BH 18 D(208) |
| 19   | 22-16-2190             | A-4455-AZ 19 A(208) | 22-14-2194              | A-4455-BH 19 D(P909) | 22-17-2192              | A-4455-BH 19 D(565) | 22-17-3192              | A-4455-BH 19 D(208) |
| 20   | 22-16-2200             | A-4455-AZ 20 A(208) | 22-14-2204              | A-4455-BH 20 D(P909) | 22-17-2202              | A-4455-BH 20 D(565) | 22-17-3202              | A-4455-BH 20 D(208) |
| 21   | 22-16-2210             | A-4455-AZ 21 A(208) | 22-14-2214              | A-4455-BH 21 D(P909) | 22-17-2212              | A-4455-BH 21 D(565) | 22-17-3212              | A-4455-BH 21 D(208) |
| 22   | 22-16-2220             | A-4455-AZ 22 A(208) | 22-14-2224              | A-4455-BH 22 D(P909) | 22-17-2222              | A-4455-BH 22 D(565) | 22-17-3222              | A-4455-BH 22 D(208) |
| 23   | 22-16-2230             | A-4455-AZ 23 A(208) | 22-14-2234              | A-4455-BH 23 D(P909) | 22-17-2232              | A-4455-BH 23 D(565) | 22-17-3232              | A-4455-BH 23 D(208) |
| 24   | 22-16-2240             | A-4455-AZ 24 A(208) | 22-14-2244              | A-4455-BH 24 D(P909) | 22-17-2242              | A-4455-BH 24 D(565) | 22-17-3242              | A-4455-BH 24 D(208) |
| 25   | 22-16-2250             | A-4455-AZ 25 A(208) | 22-14-2254              | A-4455-BH 25 D(P909) | 22-17-2252              | A-4455-BH 25 D(565) | 22-17-3252              | A-4455-BH 25 D(208) |

|                         |                              |                        |                     |
|-------------------------|------------------------------|------------------------|---------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>          | <b>SHEET No.</b>    |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b>  | <b>KK 100 PCB ASSY</b> | <b>- 3 -</b>        |
|                         | DATE: <b>4/15/2010</b>       | <b>4455 SERIES DWG</b> |                     |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b>     | <b>APPROVED BY:</b> |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>           | <b>FSMITH</b>       |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|              |              |
|--------------|--------------|
| Assy Proc:   | TOP ENTRY    |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 4316-4(P909) |
| Dim C:       | 3.35 / .132  |
| Plating:     | P909         |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

|              |              |
|--------------|--------------|
| Assy Proc:   | TOP ENTRY    |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 4316-4(565)  |
| Dim C:       | 3.35 / .132  |
| Plating:     | 565          |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

|              |              |
|--------------|--------------|
| Assy Proc:   | TOP ENTRY    |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 4316-4(208)  |
| Dim C:       | 3.35 / .132  |
| Plating:     | 208          |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

|              |              |
|--------------|--------------|
| Assy Proc:   | RIGHT ANGLE  |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 6516-4(P909) |
| Dim C:       | 3.35 / .132  |
| Plating:     | P909         |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

| Ckts | Material No | Engineer Number      |
|------|-------------|----------------------|
| 2    | 22-02-2025  | A-4455-CZ02A(P909)   |
| 3    | 22-02-2035  | A-4455-CZ 03A(P909)  |
| 4    | 22-02-2045  | A-4455-CZ 04A(P909)  |
| 5    | 22-02-2055  | A-4455-CZ 05A(P909)  |
| 6    | 22-02-2065  | A-4455-CZ 06A(P909)  |
| 7    | 22-02-2075  | A-4455-CZ 07A(P909)  |
| 8    | 22-02-2085  | A-4455-CZ 08 A(P909) |
| 9    | 22-02-2095  | A-4455-CZ 09 A(P909) |
| 10   | 22-02-2105  | A-4455-CZ 10 A(P909) |
| 11   | 22-02-2115  | A-4455-CZ 11 A(P909) |
| 12   | 22-02-2125  | A-4455-CZ 12 A(P909) |
| 13   | 22-02-2135  | A-4455-CZ 13 A(P909) |
| 14   | 22-02-2145  | A-4455-CZ 14 A(P909) |
| 15   | 22-02-2155  | A-4455-CZ 15 A(P909) |
| 16   | 22-02-2165  | A-4455-CZ 16 A(P909) |
| 17   | 22-02-2175  | A-4455-CZ 17 A(P909) |
| 18   | 22-02-2185  | A-4455-CZ 18 A(P909) |
| 19   | 22-02-2195  | A-4455-CZ 19 A(P909) |
| 20   | 22-02-2205  | A-4455-CZ 20 A(P909) |
| 21   | 22-02-2215  | A-4455-CZ 21 A(P909) |
| 22   | 22-02-2225  | A-4455-CZ 22 A(P909) |
| 23   | 22-02-2235  | A-4455-CZ 23 A(P909) |
| 24   | 22-02-2245  | A-4455-CZ 24 A(P909) |
| 25   | 22-02-2255  | A-4455-CZ 25 A(P909) |

| Material No | Engineer Number     |
|-------------|---------------------|
| 22-18-2023  | A-4455-CZ02A(565)   |
| 22-18-2033  | A-4455-CZ 03 A(565) |
| 22-18-2043  | A-4455-CZ 04 A(565) |
| 22-18-2053  | A-4455-CZ 05 A(565) |
| 22-18-2063  | A-4455-CZ 06 A(565) |
| 22-18-2073  | A-4455-CZ 07 A(565) |
| 22-18-2083  | A-4455-CZ 08 A(565) |
| 22-18-2093  | A-4455-CZ 09 A(565) |
| 22-18-2103  | A-4455-CZ 10 A(565) |
| 22-18-2113  | A-4455-CZ 11 A(565) |
| 22-18-2123  | A-4455-CZ 12 A(565) |
| 22-18-2133  | A-4455-CZ 13 A(565) |
| 22-18-2143  | A-4455-CZ 14 A(565) |
| 22-18-2153  | A-4455-CZ 15 A(565) |
| 22-18-2163  | A-4455-CZ 16 A(565) |
| 22-18-2173  | A-4455-CZ 17 A(565) |
| 22-18-2183  | A-4455-CZ 18 A(565) |
| 22-18-2193  | A-4455-CZ 19 A(565) |
| 22-18-2203  | A-4455-CZ 20 A(565) |
| 22-18-2213  | A-4455-CZ 21 A(565) |
| 22-18-2223  | A-4455-CZ 22 A(565) |
| 22-18-2233  | A-4455-CZ 23 A(565) |
| 22-18-2243  | A-4455-CZ 24 A(565) |
| 22-18-2253  | A-4455-CZ 25 A(565) |

| Material No | Engineer Number     |
|-------------|---------------------|
| 22-18-2021  | A-4455-CZ02A(208)   |
| 22-18-2031  | A-4455-CZ 03 A(208) |
| 22-18-2041  | A-4455-CZ 04 A(208) |
| 22-18-2051  | A-4455-CZ 05 A(208) |
| 22-18-2061  | A-4455-CZ 06 A(208) |
| 22-18-2071  | A-4455-CZ 07 A(208) |
| 22-18-2081  | A-4455-CZ 08 A(208) |
| 22-18-2091  | A-4455-CZ 09 A(208) |
| 22-18-2101  | A-4455-CZ 10 A(208) |
| 22-18-2111  | A-4455-CZ 11 A(208) |
| 22-18-2121  | A-4455-CZ 12 A(208) |
| 22-18-2131  | A-4455-CZ 13 A(208) |
| 22-18-2141  | A-4455-CZ 14 A(208) |
| 22-18-2151  | A-4455-CZ 15 A(208) |
| 22-18-2161  | A-4455-CZ 16 A(208) |
| 22-18-2171  | A-4455-CZ 17 A(208) |
| 22-18-2181  | A-4455-CZ 18 A(208) |
| 22-18-2191  | A-4455-CZ 19 A(208) |
| 22-18-2201  | A-4455-CZ 20 A(208) |
| 22-18-2211  | A-4455-CZ 21 A(208) |
| 22-18-2221  | A-4455-CZ 22 A(208) |
| 22-18-2231  | A-4455-CZ 23 A(208) |
| 22-18-2241  | A-4455-CZ 24 A(208) |
| 22-18-2251  | A-4455-CZ 25 A(208) |

| Material No | Engineer Number     |
|-------------|---------------------|
| 22-15-4025  | A-4455-AZ02B(P909)  |
| 22-15-4035  | A-4455-AZ 03B(P909) |
| 22-15-4045  | A-4455-AZ 04B(P909) |
| 22-15-4055  | A-4455-AZ 05B(P909) |
| 22-15-4065  | A-4455-AZ 06B(P909) |
| 22-15-4075  | A-4455-AZ 07B(P909) |
| 22-15-4085  | A-4455-AZ 08B(P909) |
| 22-15-4095  | A-4455-AZ 09B(P909) |
| 22-15-4105  | A-4455-AZ 10B(P909) |
| 22-15-4115  | A-4455-AZ 11B(P909) |
| 22-15-4125  | A-4455-AZ 12B(P909) |
| 22-15-4135  | A-4455-AZ 13B(P909) |
| 22-15-4145  | A-4455-AZ 14B(P909) |
| 22-15-4155  | A-4455-AZ 15B(P909) |
| 22-15-4165  | A-4455-AZ 16B(P909) |
| 22-15-4175  | A-4455-AZ 17B(P909) |
| 22-15-4185  | A-4455-AZ 18B(P909) |
| 22-15-4195  | A-4455-AZ 19B(P909) |
| 22-15-4205  | A-4455-AZ 20B(P909) |
| 22-15-4215  | A-4455-AZ 21B(P909) |
| 22-15-4225  | A-4455-AZ 22B(P909) |
| 22-15-4235  | A-4455-AZ 23B(P909) |
| 22-15-4245  | A-4455-AZ 24B(P909) |
| 22-15-4255  | A-4455-AZ 25B(P909) |

|                         |                              |  |                     |
|-------------------------|------------------------------|--|---------------------|
| REV:                    | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>                              | <b>SHEET No.</b>    |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b>  | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>- 4 -</b>        |
|                         | DATE: <b>4/15/2010</b>       |  |                     |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b>                         | <b>APPROVED BY:</b> |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>                               | <b>FSMITH</b>       |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|              |              |
|--------------|--------------|
| Assy Proc:   | RIGHT ANGLE  |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 6516-4(565)  |
| Dim C:       | 3.35 / .132  |
| Plating:     | 565          |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

|              |              |
|--------------|--------------|
| Assy Proc:   | RIGHT ANGLE  |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N       |
| Terminal No: | 6516-4(208)  |
| Dim C:       | 3.35 / .132  |
| Plating:     | 208          |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

|              |              |
|--------------|--------------|
| Assy Proc:   | BOTTOM ENTRY |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N2      |
| Terminal No: | 6516-3B(565) |
| Dim C:       | 3.35 / .132  |
| Plating:     | 565          |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

|              |              |
|--------------|--------------|
| Assy Proc:   | BOTTOM ENTRY |
| Hooks Cut:   | NO           |
| Housing No:  | 4455-N2      |
| Terminal No: | 6516-3B(208) |
| Dim C:       | 3.35 / .132  |
| Plating:     | 208          |
| Packaging:   | PK-44646-001 |
| Voids:       | NONE         |

| Ckts | Material No | Engineer Number     |
|------|-------------|---------------------|
| 2    | 22-16-2024  | A-4455-AZ02B(565)   |
| 3    | 22-16-2034  | A-4455-AZ 03 B(565) |
| 4    | 22-16-2044  | A-4455-AZ 04 B(565) |
| 5    | 22-16-2054  | A-4455-AZ 05 B(565) |
| 6    | 22-16-2064  | A-4455-AZ 06 B(565) |
| 7    | 22-16-2074  | A-4455-AZ 07 B(565) |
| 8    | 22-16-2084  | A-4455-AZ 08 B(565) |
| 9    | 22-16-2094  | A-4455-AZ 09 B(565) |
| 10   | 22-16-2104  | A-4455-AZ 10 B(565) |
| 11   | 22-16-2114  | A-4455-AZ 11 B(565) |
| 12   | 22-16-2124  | A-4455-AZ 12 B(565) |
| 13   | 22-16-2134  | A-4455-AZ 13 B(565) |
| 14   | 22-16-2144  | A-4455-AZ 14 B(565) |
| 15   | 22-16-2154  | A-4455-AZ 15 B(565) |
| 16   | 22-16-2164  | A-4455-AZ 16 B(565) |
| 17   | 22-16-2174  | A-4455-AZ 17 B(565) |
| 18   | 22-16-2184  | A-4455-AZ 18 B(565) |
| 19   | 22-16-2194  | A-4455-AZ 19 B(565) |
| 20   | 22-16-2204  | A-4455-AZ 20 B(565) |
| 21   | 22-16-2214  | A-4455-AZ 21 B(565) |
| 22   | 22-16-2224  | A-4455-AZ 22 B(565) |
| 23   | 22-16-2234  | A-4455-AZ 23 B(565) |
| 24   | 22-16-2244  | A-4455-AZ 24 B(565) |
| 25   | 22-16-2254  | A-4455-AZ 25 B(565) |

| Material No | Engineer Number     |
|-------------|---------------------|
|             | A-4455-AZ02B(208)   |
|             | A-4455-AZ 03 B(208) |
|             | A-4455-AZ 04 B(208) |
|             | A-4455-AZ 05 B(208) |
|             | A-4455-AZ 06 B(208) |
|             | A-4455-AZ 07 B(208) |
|             | A-4455-AZ 08 B(208) |
|             | A-4455-AZ 09 B(208) |
|             | A-4455-AZ 10 B(208) |
|             | A-4455-AZ 11 B(208) |
|             | A-4455-AZ 12 B(208) |
|             | A-4455-AZ 13 B(208) |
|             | A-4455-AZ 14 B(208) |
|             | A-4455-AZ 15 B(208) |
|             | A-4455-AZ 16 B(208) |
|             | A-4455-AZ 17 B(208) |
|             | A-4455-AZ 18 B(208) |
|             | A-4455-AZ 19 B(208) |
|             | A-4455-AZ 20 B(208) |
|             | A-4455-AZ 21 B(208) |
|             | A-4455-AZ 22 B(208) |
|             | A-4455-AZ 23 B(208) |
|             | A-4455-AZ 24 B(208) |
|             | A-4455-AZ 25 B(208) |

| Material No | Engineer Number     |
|-------------|---------------------|
| 22-17-2021  | A-4455-BH02J(565)   |
| 22-17-2031  | A-4455-BH 03 J(565) |
| 22-17-2041  | A-4455-BH 04 J(565) |
| 22-17-2051  | A-4455-BH 05 J(565) |
| 22-17-2061  | A-4455-BH 06 J(565) |
| 22-17-2071  | A-4455-BH 07 J(565) |
| 22-17-2081  | A-4455-BH 08 J(565) |
| 22-17-2091  | A-4455-BH 09 J(565) |
| 22-17-2101  | A-4455-BH 10 J(565) |
| 22-17-2111  | A-4455-BH 11 J(565) |
| 22-17-2121  | A-4455-BH 12 J(565) |
| 22-17-2131  | A-4455-BH 13 J(565) |
| 22-17-2141  | A-4455-BH 14 J(565) |
| 22-17-2151  | A-4455-BH 15 J(565) |
| 22-17-2161  | A-4455-BH 16 J(565) |
| 22-17-2171  | A-4455-BH 17 J(565) |
| 22-17-2181  | A-4455-BH 18 J(565) |
| 22-17-2191  | A-4455-BH 19 J(565) |
| 22-17-2201  | A-4455-BH 20 J(565) |
| 22-17-2211  | A-4455-BH 21 J(565) |
| 22-17-2221  | A-4455-BH 22 J(565) |
| 22-17-2231  | A-4455-BH 23 J(565) |
| 22-17-2241  | A-4455-BH 24 J(565) |
| 22-17-2251  | A-4455-BH 25 J(565) |

| Material No | Engineer Number     |
|-------------|---------------------|
|             | A-4455-BH02J(208)   |
|             | A-4455-BH 03 J(208) |
|             | A-4455-BH 04 J(208) |
|             | A-4455-BH 05 J(208) |
|             | A-4455-BH 06 J(208) |
|             | A-4455-BH 07 J(208) |
|             | A-4455-BH 08 J(208) |
|             | A-4455-BH 09 J(208) |
|             | A-4455-BH 10 J(208) |
|             | A-4455-BH 11 J(208) |
|             | A-4455-BH 12 J(208) |
|             | A-4455-BH 13 J(208) |
|             | A-4455-BH 14 J(208) |
|             | A-4455-BH 15 J(208) |
|             | A-4455-BH 16 J(208) |
|             | A-4455-BH 17 J(208) |
|             | A-4455-BH 18 J(208) |
|             | A-4455-BH 19 J(208) |
|             | A-4455-BH 20 J(208) |
|             | A-4455-BH 21 J(208) |
|             | A-4455-BH 22 J(208) |
|             | A-4455-BH 23 J(208) |
|             | A-4455-BH 24 J(208) |
|             | A-4455-BH 25 J(208) |

|                         |                              |                    |  |                  |
|-------------------------|------------------------------|--------------------|--|------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>      | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>SHEET No.</b> |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b>  |                    |  | <b>- 5 -</b>     |
|                         | DATE: <b>4/15/2010</b>       |                    |  |                  |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b> | <b>APPROVED BY:</b>                        |                  |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>       | <b>FSMITH</b>                              |                  |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

| Ckts | Assy Proc: TOP ENTRY |                      | Assy Proc: TOP ENTRY |                     | Assy Proc: TOP ENTRY |                     | Assy Proc: RIGHT ANGLE |                     |
|------|----------------------|----------------------|----------------------|---------------------|----------------------|---------------------|------------------------|---------------------|
|      | Hooks Cut:           | NO                   | Hooks Cut:           | NO                  | Hooks Cut:           | NO                  | Hooks Cut:             | NO                  |
|      | Housing No:          | 4455-N               | Housing No:          | 4455-N              | Housing No:          | 4455-4              | Housing No:            | 4455-AN             |
|      | Terminal No:         | 6516-4(P909)         | Terminal No:         | 6516-4(565)         | Terminal No:         | 6516-4(208)         | Terminal No:           | 4316-4(P909)        |
|      | Dim C:               | 3.35 / .132          | Dim C:               | 3.35 / .132         | Dim C:               | 3.35 / .132         | Dim C:                 | 3.35 / .132         |
|      | Plating:             | P909                 | Plating:             | 565                 | Plating:             | 208                 | Plating:               | P909                |
|      | Packaging:           | PK-44646-001         | Packaging:           | PK-44646-001        | Packaging:           | PK-44646-001        | Packaging:             | PK-44646-001        |
|      | Voids:               | NONE                 | Voids:               | NONE                | Voids:               | NONE                | Voids:                 | NONE                |
|      | Material No          | Engineer Number      | Material No          | Engineer Number     | Material No          | Engineer Number     | Material No            | Engineer Number     |
| 2    |                      | A-4455-CZ02B(P909)   | 22-18-2022           | A-4455-CZ02B(565)   |                      | A-4455-CZ02B(208)   |                        |                     |
| 3    |                      | A-4455-CZ 03 B(P909) | 22-18-2032           | A-4455-CZ 03 B(565) |                      | A-4455-CZ 03B(208)  |                        |                     |
| 4    |                      | A-4455-CZ 04 B(P909) | 22-18-2042           | A-4455-CZ 04 B(565) |                      | A-4455-CZ 04 B(208) |                        |                     |
| 5    |                      | A-4455-CZ 05 B(P909) | 22-18-2052           | A-4455-CZ 05 B(565) |                      | A-4455-CZ 05 B(208) |                        |                     |
| 6    |                      | A-4455-CZ 06 B(P909) | 22-18-2062           | A-4455-CZ 06 B(565) |                      | A-4455-CZ 06 B(208) |                        |                     |
| 7    |                      | A-4455-CZ 07 B(P909) | 22-18-2072           | A-4455-CZ 07 B(565) |                      | A-4455-CZ 07 B(208) | 22-15-2075             | A-4455-AA07A(P909)  |
| 8    |                      | A-4455-CZ 08 B(P909) | 22-18-2082           | A-4455-CZ 08 B(565) |                      | A-4455-CZ 08 B(208) | 22-15-2085             | A-4455-AA 08A(P909) |
| 9    |                      | A-4455-CZ 09 B(P909) | 22-18-2092           | A-4455-CZ 09 B(565) |                      | A-4455-CZ 09 B(208) | 22-15-2095             | A-4455-AA 09A(P909) |
| 10   |                      | A-4455-CZ 10 B(P909) | 22-18-2102           | A-4455-CZ 10 B(565) |                      | A-4455-CZ 10 B(208) | 22-15-2105             | A-4455-AA 10A(P909) |
| 11   |                      | A-4455-CZ 11 B(P909) | 22-18-2112           | A-4455-CZ 11 B(565) |                      | A-4455-CZ 11 B(208) | 22-15-2115             | A-4455-AA 11A(P909) |
| 12   |                      | A-4455-CZ 12 B(P909) | 22-18-2122           | A-4455-CZ 12 B(565) |                      | A-4455-CZ 12 B(208) | 22-15-2125             | A-4455-AA 12A(P909) |
| 13   |                      | A-4455-CZ 13 B(P909) | 22-18-2132           | A-4455-CZ 13 B(565) |                      | A-4455-CZ 13 B(208) | 22-15-2135             | A-4455-AA 13A(P909) |
| 14   |                      | A-4455-CZ 14 B(P909) | 22-18-2142           | A-4455-CZ 14 B(565) |                      | A-4455-CZ 14 B(208) | 22-15-2145             | A-4455-AA 14A(P909) |
| 15   |                      | A-4455-CZ 15 B(P909) | 22-18-2152           | A-4455-CZ 15 B(565) |                      | A-4455-CZ 15 B(208) | 22-15-2155             | A-4455-AA 15A(P909) |
| 16   |                      | A-4455-CZ 16 B(P909) | 22-18-2162           | A-4455-CZ 16 B(565) |                      | A-4455-CZ 16 B(208) | 22-15-2165             | A-4455-AA 16A(P909) |
| 17   |                      | A-4455-CZ 17 B(P909) | 22-18-2172           | A-4455-CZ 17 B(565) |                      | A-4455-CZ 17 B(208) | 22-15-2175             | A-4455-AA 17A(P909) |
| 18   |                      | A-4455-CZ 18 B(P909) | 22-18-2182           | A-4455-CZ 18 B(565) |                      | A-4455-CZ 18 B(208) | 22-15-2185             | A-4455-AA 18A(P909) |
| 19   |                      | A-4455-CZ 19 B(P909) | 22-18-2192           | A-4455-CZ 19 B(565) |                      | A-4455-CZ 19 B(208) | 22-15-2195             | A-4455-AA 19A(P909) |
| 20   |                      | A-4455-CZ 20 B(P909) | 22-18-2202           | A-4455-CZ 20 B(565) |                      | A-4455-CZ 20 B(208) | 22-15-2205             | A-4455-AA 20A(P909) |
| 21   |                      | A-4455-CZ 21 B(P909) | 22-18-2212           | A-4455-CZ 21 B(565) |                      | A-4455-CZ 21 B(208) | 22-15-2215             | A-4455-AA 21A(P909) |
| 22   |                      | A-4455-CZ 22 B(P909) | 22-18-2222           | A-4455-CZ 22 B(565) |                      | A-4455-CZ 22 B(208) | 22-15-2225             | A-4455-AA 22A(P909) |
| 23   |                      | A-4455-CZ 23 B(P909) | 22-18-2232           | A-4455-CZ 23 B(565) |                      | A-4455-CZ 23 B(208) | 22-15-2235             | A-4455-AA 23A(P909) |
| 24   |                      | A-4455-CZ 24 B(P909) | 22-18-2242           | A-4455-CZ 24 B(565) |                      | A-4455-CZ 24 B(208) | 22-15-2245             | A-4455-AA 24A(P909) |
| 25   |                      | A-4455-CZ 25 B(P909) | 22-18-2252           | A-4455-CZ 25 B(565) |                      | A-4455-CZ 25 B(208) | 22-15-2255             | A-4455-AA 25A(P909) |

|                         |                             |                              |                    |
|-------------------------|-----------------------------|------------------------------|--------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b> | <b>TITLE:</b>                | <b>SHEET No.</b>   |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b> | <b>KK 100 PCB ASSY</b>       | <b>- 6 -</b>       |
|                         | DATE: <b>4/15/2010</b>      | <b>4455 SERIES DWG</b>       |                    |
| <b>DOCUMENT NUMBER:</b> |                             | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b> |
| <b>SDA-4455</b>         |                             | <b>MKIPPER</b>               | <b>JBELL</b>       |
|                         |                             | <b>APPROVED BY:</b>          |                    |
|                         |                             | <b>FSMITH</b>                |                    |





# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

| Ckts | Assy Proc: RIGHT ANGLE |                     | Assy Proc: RIGHT ANGLE |                     | Assy Proc: RIGHT ANGLE |                     | Assy Proc: RIGHT ANGLE |                     |
|------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|
|      | Material No            | Engineer Number     | Material No            | Engineer Number     | Material No            | Engineer Number     | Material No            | Engineer Number     |
| 2    |                        |                     |                        | A-4455-AB02A(228)   | 22-15-4024             | A-4455-AB02A(P909)  | 22-15-2022             | A-4455-AE02A(P909)  |
| 3    |                        |                     |                        | A-4455-AB 03 A(228) | 22-15-4034             | A-4455-AB 03A(P909) | 22-15-2032             | A-4455-AE 03A(P909) |
| 4    |                        |                     |                        | A-4455-AB 04 A(228) | 22-15-4044             | A-4455-AB 04A(P909) | 22-15-2042             | A-4455-AE 04A(P909) |
| 5    |                        |                     |                        | A-4455-AB 05 A(228) | 22-15-4054             | A-4455-AB 05A(P909) | 22-15-2052             | A-4455-AE 05A(P909) |
| 6    |                        |                     | 50-34-8518             | A-4455-AB 06 A(228) | 22-15-4064             | A-4455-AB 06A(P909) | 22-15-2062             | A-4455-AE 06A(P909) |
| 7    | 22-16-2076             | A-4455-AA07A(208)   |                        | A-4455-AB 07 A(228) | 22-15-4074             | A-4455-AB 07A(P909) | 22-15-2072             | A-4455-AE 07A(P909) |
| 8    | 22-16-2086             | A-4455-AA 08 A(208) |                        | A-4455-AB 08 A(228) | 22-15-4084             | A-4455-AB 08A(P909) | 22-15-2082             | A-4455-AE 08A(P909) |
| 9    | 22-16-2096             | A-4455-AA 09 A(208) |                        | A-4455-AB 09 A(228) | 22-15-4094             | A-4455-AB 09A(P909) | 22-15-2092             | A-4455-AE 09A(P909) |
| 10   | 22-16-2106             | A-4455-AA 10 A(208) |                        | A-4455-AB 10 A(228) | 22-15-4104             | A-4455-AB 10A(P909) | 22-15-2102             | A-4455-AE 10A(P909) |
| 11   | 22-16-2116             | A-4455-AA 11 A(208) |                        | A-4455-AB 11 A(228) | 22-15-4114             | A-4455-AB 11A(P909) | 22-15-2112             | A-4455-AE 11A(P909) |
| 12   | 22-16-2126             | A-4455-AA 12 A(208) |                        | A-4455-AB 12 A(228) | 22-15-4124             | A-4455-AB 12A(P909) | 22-15-2122             | A-4455-AE 12A(P909) |
| 13   | 22-16-2136             | A-4455-AA 13 A(208) |                        | A-4455-AB 13 A(228) | 22-15-4134             | A-4455-AB 13A(P909) | 22-15-2132             | A-4455-AE 13A(P909) |
| 14   | 22-16-2146             | A-4455-AA 14 A(208) |                        | A-4455-AB 14 A(228) | 22-15-4144             | A-4455-AB 14A(P909) | 22-15-2142             | A-4455-AE 14A(P909) |
| 15   | 22-16-2156             | A-4455-AA 15 A(208) |                        | A-4455-AB 15 A(228) | 22-15-4154             | A-4455-AB 15A(P909) | 22-15-2152             | A-4455-AE 15A(P909) |
| 16   | 22-16-2166             | A-4455-AA 16 A(208) |                        | A-4455-AB 16 A(228) | 22-15-4164             | A-4455-AB 16A(P909) | 22-15-2162             | A-4455-AE 16A(P909) |
| 17   | 22-16-2176             | A-4455-AA 17 A(208) |                        | A-4455-AB 17 A(228) | 22-15-4174             | A-4455-AB 17A(P909) | 22-15-2172             | A-4455-AE 17A(P909) |
| 18   | 22-16-2186             | A-4455-AA 18 A(208) |                        | A-4455-AB 18 A(228) | 22-15-4184             | A-4455-AB 18A(P909) | 22-15-2182             | A-4455-AE 18A(P909) |
| 19   | 22-16-2196             | A-4455-AA 19 A(208) |                        | A-4455-AB 19 A(228) | 22-15-4194             | A-4455-AB 19A(P909) | 22-15-2192             | A-4455-AE 19A(P909) |
| 20   | 22-16-2206             | A-4455-AA 20 A(208) |                        | A-4455-AB 20 A(228) | 22-15-4204             | A-4455-AB 20A(P909) | 22-15-2202             | A-4455-AE 20A(P909) |
| 21   | 22-16-2216             | A-4455-AA 21 A(208) |                        | A-4455-AB 21 A(228) | 22-15-4214             | A-4455-AB 21A(P909) | 22-15-2212             | A-4455-AE 21A(P909) |
| 22   | 22-16-2226             | A-4455-AA 22 A(208) |                        | A-4455-AB 22 A(228) | 22-15-4224             | A-4455-AB 22A(P909) | 22-15-2222             | A-4455-AE 22A(P909) |
| 23   | 22-16-2236             | A-4455-AA 23 A(208) |                        | A-4455-AB 23 A(228) | 22-15-4234             | A-4455-AB 23A(P909) | 22-15-2232             | A-4455-AE 23A(P909) |
| 24   | 22-16-2246             | A-4455-AA 24 A(208) | 22-17-3240             | A-4455-AB 24 A(228) | 22-15-4244             | A-4455-AB 24A(P909) | 22-15-2242             | A-4455-AE 24A(P909) |
| 25   | 22-16-2256             | A-4455-AA 25 A(208) |                        | A-4455-AB 25 A(228) | 22-15-4254             | A-4455-AB 25A(P909) | 22-15-2252             | A-4455-AE 25A(P909) |

|  |  |   |                                    |
|--|--|---|------------------------------------|
| <b>REV:</b><br><b>D7</b>                   | <b>ECR/ECN INFORMATION:</b><br>EC No.: <b>UCP2010-2172</b><br>DATE: <b>4/15/2010</b> | <b>TITLE:</b><br><b>KK 100 PCB ASSY</b><br><b>4455 SERIES DWG</b> | <b>SHEET No.</b><br><b>- 7 -</b>   |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-4455</b> |  | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b>                    | <b>CHECKED BY:</b><br><b>JBELL</b> |
|  |  | <b>APPROVED BY:</b><br><b>FSMITH</b>                              |                                    |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc:   | RIGHT ANGLE          | Assy Proc:   | RIGHT ANGLE         | Assy Proc:   | RIGHT ANGLE         | Assy Proc:   | RIGHT ANGLE         |
|------|--------------|----------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
|      | Hooks Cut:   | NO                   | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  |
|      | Housing No:  | 4455-NR              | Housing No:  | 4455-N              | Housing No:  | 4455-N              | Housing No:  | 4455-N              |
|      | Terminal No: | 4316-4(P909)         | Terminal No: | 4316-4(228)         | Terminal No: | 6516-4(228)         | Terminal No: | 6516-4(228)         |
|      | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         |
|      | Plating:     | P909                 | Plating:     | 228                 | Plating:     | 228                 | Plating:     | 228                 |
|      | Packaging:   | PK-44646-001         | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        |
|      | Voids:       | NONE                 | Voids:       | NONE                | Voids:       | NONE                | Voids:       | NONE                |
|      |              |                      |              |                     |              |                     |              |                     |
| Ckts | Material No  | Engineer Number      | Material No  | Engineer Number     | Material No  | Engineer Number     | Material No  | Engineer Number     |
| 2    | 22-15-4022   | A-4455-AR02A(P909)   |              | A-4455-AZ02A(228)   | 22-17-5023   | A-4455-AZ02B(228)   | 22-16-2022   | A-4455-AZ02B(228)   |
| 3    | 22-15-4032   | A-4455-AR 03 A(P909) |              | A-4455-AZ 03 A(228) | 22-17-5033   | A-4455-AZ 03 B(228) | 22-16-2032   | A-4455-AZ 03 B(228) |
| 4    | 22-15-4042   | A-4455-AR 04 A(P909) |              | A-4455-AZ 04 A(228) | 22-17-5043   | A-4455-AZ 04 B(228) | 22-16-2042   | A-4455-AZ 04 B(228) |
| 5    | 22-15-4052   | A-4455-AR 05 A(P909) |              | A-4455-AZ 05 A(228) | 22-17-5053   | A-4455-AZ 05 B(228) | 22-16-2052   | A-4455-AZ 05 B(228) |
| 6    | 22-15-4062   | A-4455-AR 06 A(P909) |              | A-4455-AZ 06 A(228) | 22-17-5063   | A-4455-AZ 06 B(228) | 22-16-2062   | A-4455-AZ 06 B(228) |
| 7    | 22-15-4072   | A-4455-AR 07 A(P909) |              | A-4455-AZ 07 A(228) | 22-17-5073   | A-4455-AZ 07 B(228) | 22-16-2072   | A-4455-AZ 07 B(228) |
| 8    | 22-15-4082   | A-4455-AR 08 A(P909) |              | A-4455-AZ 08 A(228) | 22-17-5083   | A-4455-AZ 08 B(228) | 22-16-2082   | A-4455-AZ 08 B(228) |
| 9    | 22-15-4092   | A-4455-AR 09 A(P909) |              | A-4455-AZ 09 A(228) | 22-17-5093   | A-4455-AZ 09 B(228) | 22-16-2092   | A-4455-AZ 09 B(228) |
| 10   | 22-15-4102   | A-4455-AR 10 A(P909) |              | A-4455-AZ 10 A(228) | 22-17-5103   | A-4455-AZ 10 B(228) | 22-16-2102   | A-4455-AZ 10 B(228) |
| 11   | 22-15-4112   | A-4455-AR 11 A(P909) |              | A-4455-AZ 11 A(228) | 22-17-5113   | A-4455-AZ 11 B(228) | 22-16-2112   | A-4455-AZ 11 B(228) |
| 12   | 22-15-4122   | A-4455-AR 12 A(P909) |              | A-4455-AZ 12 A(228) | 22-17-5123   | A-4455-AZ 12 B(228) | 22-16-2122   | A-4455-AZ 12 B(228) |
| 13   | 22-15-4132   | A-4455-AR 13 A(P909) |              | A-4455-AZ 13 A(228) | 22-17-5133   | A-4455-AZ 13 B(228) | 22-16-2132   | A-4455-AZ 13 B(228) |
| 14   | 22-15-4142   | A-4455-AR 14 A(P909) |              | A-4455-AZ 14 A(228) | 22-17-5143   | A-4455-AZ 14 B(228) | 22-16-2142   | A-4455-AZ 14 B(228) |
| 15   | 22-15-4152   | A-4455-AR 15 A(P909) |              | A-4455-AZ 15 A(228) | 22-17-5153   | A-4455-AZ 15 B(228) | 22-16-2152   | A-4455-AZ 15 B(228) |
| 16   | 22-15-4162   | A-4455-AR 16 A(P909) |              | A-4455-AZ 16 A(228) | 22-17-5163   | A-4455-AZ 16 B(228) | 22-16-2162   | A-4455-AZ 16 B(228) |
| 17   | 22-15-4172   | A-4455-AR 17 A(P909) |              | A-4455-AZ 17 A(228) | 22-17-5173   | A-4455-AZ 17 B(228) | 22-16-2172   | A-4455-AZ 17 B(228) |
| 18   | 22-15-4182   | A-4455-AR 18 A(P909) |              | A-4455-AZ 18 A(228) | 22-17-5183   | A-4455-AZ 18 B(228) | 22-16-2182   | A-4455-AZ 18 B(228) |
| 19   | 22-15-4192   | A-4455-AR 19 A(P909) |              | A-4455-AZ 19 A(228) | 22-17-5193   | A-4455-AZ 19 B(228) | 22-16-2192   | A-4455-AZ 19 B(228) |
| 20   | 22-15-4202   | A-4455-AR 20 A(P909) | 22-17-5201   | A-4455-AZ 20 A(228) | 22-17-5203   | A-4455-AZ 20 B(228) | 22-16-2202   | A-4455-AZ 20 B(228) |
| 21   | 22-15-4212   | A-4455-AR 21 A(P909) |              | A-4455-AZ 21 A(228) | 22-17-5213   | A-4455-AZ 21 B(228) | 22-16-2212   | A-4455-AZ 21 B(228) |
| 22   | 22-15-4222   | A-4455-AR 22 A(P909) |              | A-4455-AZ 22 A(228) | 22-17-5223   | A-4455-AZ 22 B(228) | 22-16-2222   | A-4455-AZ 22 B(228) |
| 23   | 22-15-4232   | A-4455-AR 23 A(P909) |              | A-4455-AZ 23 A(228) | 22-17-5233   | A-4455-AZ 23 B(228) | 22-16-2232   | A-4455-AZ 23 B(228) |
| 24   | 22-15-4242   | A-4455-AR 24 A(P909) | 22-17-3247   | A-4455-AZ 24 A(228) | 22-17-5243   | A-4455-AZ 24 B(228) | 22-16-2242   | A-4455-AZ 24 B(228) |
| 25   | 22-15-4252   | A-4455-AR 25 A(P909) |              | A-4455-AZ 25 A(228) | 22-17-5253   | A-4455-AZ 25 B(228) | 22-16-2252   | A-4455-AZ 25 B(228) |

|                         |                              |                    |  |                  |
|-------------------------|------------------------------|--------------------|--|------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>      | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>SHEET No.</b> |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b>  |                    |  | <b>- 8 -</b>     |
|                         | DATE: <b>4/15/2010</b>       |                    |  |                  |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b> | <b>APPROVED BY:</b>                        |                  |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>       | <b>FSMITH</b>                              |                  |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc:   | BOTTOM ENTRY      | Assy Proc:   | BOTTOM ENTRY        | Assy Proc:   | BOTTOM ENTRY      | Assy Proc:   | BOTTOM ENTRY      |
|------|--------------|-------------------|--------------|---------------------|--------------|-------------------|--------------|-------------------|
|      | Hooks Cut:   | NO                | Hooks Cut:   | NO                  | Hooks Cut:   | NO                | Hooks Cut:   | NO                |
|      | Housing No:  | 4455-N2           | Housing No:  | 4455-N2             | Housing No:  | 4455-N2           | Housing No:  | 4455-N2           |
|      | Terminal No: | 4316-3B(228)      | Terminal No: | 4316-3B(231)        | Terminal No: | 4316-3B(228)      | Terminal No: | 6516-3B(228)      |
|      | Dim C:       | 3.35 / .132       | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132       | Dim C:       | 3.35 / .132       |
|      | Plating:     | 228               | Plating:     | 231                 | Plating:     | 228               | Plating:     | 228               |
|      | Packaging:   | PK-44646-001      | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001      | Packaging:   | PK-44646-001      |
|      | Voids:       | NO                | Voids:       | NO                  | Voids:       | NO                | Voids:       | NO                |
|      |              |                   |              |                     |              |                   |              |                   |
| Ckts | Material No  | Engineer Number   | Material No  | Engineer Number     | Material No  | Engineer Number   | Material No  | Engineer Number   |
| 2    | 22-17-2024   | A-4455-BH02D(228) |              | A-4455-BH02D(231)   |              | A-4455-BH02D(228) | 22-17-2027   | A-4455-BH02J(228) |
| 3    | 22-17-2034   | A-4455-BH03D(228) |              | A-4455-BH 03 D(231) |              | A-4455-BH03D(228) | 22-17-2037   | A-4455-BH03J(228) |
| 4    | 22-17-2044   | A-4455-BH04D(228) |              | A-4455-BH 04 D(231) |              | A-4455-BH04D(228) | 22-17-2047   | A-4455-BH04J(228) |
| 5    | 22-17-2054   | A-4455-BH05D(228) |              | A-4455-BH 05 D(231) | 22-17-3056   | A-4455-BH05D(228) | 22-17-2057   | A-4455-BH05J(228) |
| 6    | 22-17-2064   | A-4455-BH06D(228) |              | A-4455-BH 06 D(231) | 22-17-3066   | A-4455-BH06D(228) | 22-17-2067   | A-4455-BH06J(228) |
| 7    | 22-17-2074   | A-4455-BH07D(228) |              | A-4455-BH 07 D(231) |              | A-4455-BH07D(228) | 22-17-2077   | A-4455-BH07J(228) |
| 8    | 22-17-2084   | A-4455-BH08D(228) |              | A-4455-BH 08 D(231) | 22-17-3086   | A-4455-BH08D(228) | 22-17-2087   | A-4455-BH08J(228) |
| 9    | 22-17-2094   | A-4455-BH09D(228) |              | A-4455-BH 09 D(231) |              | A-4455-BH09D(228) | 22-17-2097   | A-4455-BH09J(228) |
| 10   | 22-17-2104   | A-4455-BH10D(228) |              | A-4455-BH 10 D(231) |              | A-4455-BH10D(228) | 22-17-2107   | A-4455-BH10J(228) |
| 11   | 22-17-2114   | A-4455-BH11D(228) |              | A-4455-BH 11 D(231) |              | A-4455-BH11D(228) | 22-17-2117   | A-4455-BH11J(228) |
| 12   | 22-17-2124   | A-4455-BH12D(228) |              | A-4455-BH 12 D(231) |              | A-4455-BH12D(228) | 22-17-2127   | A-4455-BH12J(228) |
| 13   | 22-17-2134   | A-4455-BH13D(228) |              | A-4455-BH 13 D(231) |              | A-4455-BH13D(228) | 22-17-2137   | A-4455-BH13J(228) |
| 14   | 22-17-2144   | A-4455-BH14D(228) | 22-17-2140   | A-4455-BH 14 D(231) | 22-17-3146   | A-4455-BH14D(228) | 22-17-2147   | A-4455-BH14J(228) |
| 15   | 22-17-2154   | A-4455-BH15D(228) |              | A-4455-BH 15 D(231) |              | A-4455-BH15D(228) | 22-17-2157   | A-4455-BH15J(228) |
| 16   | 22-17-2164   | A-4455-BH16D(228) |              | A-4455-BH 16 D(231) |              | A-4455-BH16D(228) | 22-17-2167   | A-4455-BH16J(228) |
| 17   | 22-17-2174   | A-4455-BH17D(228) |              | A-4455-BH 17 D(231) |              | A-4455-BH17D(228) | 22-17-2177   | A-4455-BH17J(228) |
| 18   | 22-17-2184   | A-4455-BH18D(228) |              | A-4455-BH 18 D(231) |              | A-4455-BH18D(228) | 22-17-2187   | A-4455-BH18J(228) |
| 19   | 22-17-2194   | A-4455-BH19D(228) |              | A-4455-BH 19 D(231) | 22-17-3196   | A-4455-BH19D(228) | 22-17-2197   | A-4455-BH19J(228) |
| 20   | 22-17-2204   | A-4455-BH20D(228) | 22-17-2200   | A-4455-BH 20 D(231) | 22-17-3206   | A-4455-BH20D(228) | 22-17-2207   | A-4455-BH20J(228) |
| 21   | 22-17-2214   | A-4455-BH21D(228) |              | A-4455-BH 21 D(231) |              | A-4455-BH21D(228) | 22-17-2217   | A-4455-BH21J(228) |
| 22   | 22-17-2224   | A-4455-BH22D(228) |              | A-4455-BH 22 D(231) |              | A-4455-BH22D(228) | 22-17-2227   | A-4455-BH22J(228) |
| 23   | 22-17-2234   | A-4455-BH23D(228) |              | A-4455-BH 23 D(231) |              | A-4455-BH23D(228) | 22-17-2237   | A-4455-BH23J(228) |
| 24   | 22-17-2244   | A-4455-BH24D(228) |              | A-4455-BH 24 D(231) |              | A-4455-BH24D(228) | 22-17-2247   | A-4455-BH24J(228) |
| 25   | 22-17-2254   | A-4455-BH25D(228) | 22-17-2250   | A-4455-BH 25 D(231) | 22-17-3256   | A-4455-BH25D(228) | 22-17-2257   | A-4455-BH25J(228) |

|                         |                             |                              |  |                     |                  |
|-------------------------|-----------------------------|------------------------------|--|---------------------|------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b> | <b>TITLE:</b>                | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> |                     | <b>SHEET No.</b> |
| <b>D7</b>               | <b>EC No.:</b> UCP2010-2172 |                              |  |                     | <b>- 9 -</b>     |
|                         | <b>DATE:</b> 4/15/2010      |                              |  |                     |                  |
| <b>DOCUMENT NUMBER:</b> |                             | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b>                         | <b>APPROVED BY:</b> |                  |
| <b>SDA-4455</b>         |                             | <b>MKIPPER</b>               | <b>JBELL</b>                               | <b>FSMITH</b>       |                  |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

| Ckts | Assy Proc: TOP ENTRY |                     | Assy Proc: TOP ENTRY |                     | Assy Proc: TOP ENTRY |                     | Assy Proc: TOP ENTRY |                     |
|------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
|      | Material No          | Engineer Number     | Material No          | Engineer Number     | Material No          | Engineer Number     | Material No          | Engineer Number     |
| 2    |                      | A-4455-CP02A(208)   | 22-18-2026           | A-4455-CY02A(565)   | 22-02-7023           | A-4455-CY02A(P909)  | 22-15-4028           | A-4455-CB02A(P909)  |
| 3    |                      | A-4455-CP 03 A(208) | 22-18-2036           | A-4455-CY 03 A(565) | 22-02-7033           | A-4455-CY 03A(P909) | 22-15-4038           | A-4455-CB 03A(P909) |
| 4    |                      | A-4455-CP 04 A(208) | 22-18-2046           | A-4455-CY 04 A(565) | 22-02-7043           | A-4455-CY 04A(P909) | 22-15-4048           | A-4455-CB 04A(P909) |
| 5    | 22-18-2057           | A-4455-CP 05 A(208) | 22-18-2056           | A-4455-CY 05 A(565) | 22-02-7053           | A-4455-CY 05A(P909) | 22-15-4058           | A-4455-CB 05A(P909) |
| 6    |                      | A-4455-CP 06 A(208) | 22-18-2066           | A-4455-CY 06 A(565) | 22-02-7063           | A-4455-CY 06A(P909) | 22-15-4068           | A-4455-CB 06A(P909) |
| 7    |                      | A-4455-CP 07 A(208) | 22-18-2076           | A-4455-CY 07 A(565) | 22-02-7073           | A-4455-CY 07A(P909) | 22-15-4078           | A-4455-CB 07A(P909) |
| 8    |                      | A-4455-CP 08 A(208) | 22-18-2086           | A-4455-CY 08 A(565) | 22-02-7083           | A-4455-CY 08A(P909) | 22-15-4088           | A-4455-CB 08A(P909) |
| 9    |                      | A-4455-CP 09 A(208) | 22-18-2096           | A-4455-CY 09 A(565) | 22-02-7093           | A-4455-CY 09A(P909) | 22-15-4098           | A-4455-CB 09A(P909) |
| 10   |                      | A-4455-CP 10 A(208) | 22-18-2106           | A-4455-CY 10 A(565) | 22-02-7103           | A-4455-CY 10A(P909) | 22-15-4108           | A-4455-CB 10A(P909) |
| 11   |                      | A-4455-CP 11 A(208) | 22-18-2116           | A-4455-CY 11 A(565) | 22-02-7113           | A-4455-CY 11A(P909) | 22-15-4118           | A-4455-CB 11A(P909) |
| 12   |                      | A-4455-CP 12 A(208) | 22-18-2126           | A-4455-CY 12 A(565) | 22-02-7123           | A-4455-CY 12A(P909) | 22-15-4128           | A-4455-CB 12A(P909) |
| 13   |                      | A-4455-CP 13 A(208) | 22-18-2136           | A-4455-CY 13 A(565) | 22-02-7133           | A-4455-CY 13A(P909) | 22-15-4138           | A-4455-CB 13A(P909) |
| 14   |                      | A-4455-CP 14 A(208) | 22-18-2146           | A-4455-CY 14 A(565) | 22-02-7143           | A-4455-CY 14A(P909) | 22-15-4148           | A-4455-CB 14A(P909) |
| 15   |                      | A-4455-CP 15 A(208) | 22-18-2156           | A-4455-CY 15 A(565) | 22-02-7153           | A-4455-CY 15A(P909) | 22-15-4158           | A-4455-CB 15A(P909) |
| 16   |                      | A-4455-CP 16 A(208) | 22-18-2166           | A-4455-CY 16 A(565) | 22-02-7163           | A-4455-CY 16A(P909) | 22-15-4168           | A-4455-CB 16A(P909) |
| 17   |                      | A-4455-CP 17 A(208) | 22-18-2176           | A-4455-CY 17 A(565) | 22-02-7173           | A-4455-CY 17A(P909) | 22-15-4178           | A-4455-CB 17A(P909) |
| 18   |                      | A-4455-CP 18 A(208) | 22-18-2186           | A-4455-CY 18 A(565) | 22-02-7183           | A-4455-CY 18A(P909) | 22-15-4188           | A-4455-CB 18A(P909) |
| 19   |                      | A-4455-CP 19 A(208) | 22-18-2196           | A-4455-CY 19 A(565) | 22-02-7193           | A-4455-CY 19A(P909) | 22-15-4198           | A-4455-CB 19A(P909) |
| 20   |                      | A-4455-CP 20 A(208) | 22-18-2206           | A-4455-CY 20 A(565) | 22-02-7203           | A-4455-CY 20A(P909) | 22-15-4208           | A-4455-CB 20A(P909) |
| 21   |                      | A-4455-CP 21 A(208) | 22-18-2216           | A-4455-CY 21 A(565) | 22-02-7213           | A-4455-CY 21A(P909) | 22-15-4218           | A-4455-CB 21A(P909) |
| 22   |                      | A-4455-CP 22 A(208) | 22-18-2226           | A-4455-CY 22 A(565) | 22-02-7223           | A-4455-CY 22A(P909) | 22-15-4228           | A-4455-CB 22A(P909) |
| 23   |                      | A-4455-CP 23 A(208) | 22-18-2236           | A-4455-CY 23 A(565) | 22-02-7233           | A-4455-CY 23A(P909) | 22-15-4238           | A-4455-CB 23A(P909) |
| 24   |                      | A-4455-CP 24 A(208) | 22-18-2246           | A-4455-CY 24 A(565) | 22-02-7243           | A-4455-CY 24A(P909) | 22-15-4248           | A-4455-CB 24A(P909) |
| 25   |                      | A-4455-CP 25 A(208) | 22-18-2256           | A-4455-CY 25 A(565) | 22-02-7253           | A-4455-CY 25A(P909) | 22-15-4258           | A-4455-CB 25A(P909) |

|  |  |   |                                    |
|--|--|---|------------------------------------|
| <b>REV:</b><br><b>D7</b>                   | <b>ECR/ECN INFORMATION:</b><br>EC No.: <b>UCP2010-2172</b><br>DATE: <b>4/15/2010</b> | <b>TITLE:</b><br><b>KK 100 PCB ASSY</b><br><b>4455 SERIES DWG</b> | <b>SHEET No.</b><br><b>- 10 -</b>  |
| <b>DOCUMENT NUMBER:</b><br><b>SDA-4455</b> |  | <b>CREATED / REVISED BY:</b><br><b>MKIPPER</b>                    | <b>CHECKED BY:</b><br><b>JBELL</b> |
|  |  | <b>APPROVED BY:</b><br><b>FSMITH</b>                              |                                    |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY           |
|------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
|      | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  | Hooks Cut:   | YES                 | Hooks Cut:   | YES                 |
|      | Housing No:  | 4455-NR             | Housing No:  | 4455-N              | Housing No:  | 4455-N              | Housing No:  | 4455-N              |
|      | Terminal No: | 4316-4(P909)        | Terminal No: | 6516-4(228)         | Terminal No: | 4316-4(208)         | Terminal No: | 6516-4(228)         |
|      | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         |
|      | Plating:     | P909                | Plating:     | 228                 | Plating:     | 208                 | Plating:     | 228                 |
|      | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-003        | Packaging:   | PK-44646-003        |
|      | Voids:       | NO                  | Voids:       | NO                  | Voids:       | NO                  | Voids:       | NO                  |
|      |              |                     |              |                     |              |                     |              |                     |
| Ckts | Material No  | Engineer Number     | Material No  | Engineer Number     | Material No  | Engineer Number     | Material No  | Engineer Number     |
| 2    | 22-65-3020   | A-4455-CR02A(P909)  | 22-18-2024   | A-4455-CZ02B(228)   | 22-18-7023   | A-4455-CY02A(208)   | 22-18-7021   | A-4455-CY02B(228)   |
| 3    | 22-65-3030   | A-4455-CR 03A(P909) | 22-18-2034   | A-4455-CZ 03 B(228) | 22-18-7033   | A-4455-CY 03 A(208) | 22-18-7031   | A-4455-CY 03 B(228) |
| 4    | 22-65-3040   | A-4455-CR 04A(P909) | 22-18-2044   | A-4455-CZ 04 B(228) | 22-18-7043   | A-4455-CY 04 A(208) | 22-18-7041   | A-4455-CY 04 B(228) |
| 5    | 22-65-3050   | A-4455-CR 05A(P909) | 22-18-2054   | A-4455-CZ 05 B(228) | 22-18-7053   | A-4455-CY 05 A(208) | 22-18-7051   | A-4455-CY 05 B(228) |
| 6    | 22-65-3060   | A-4455-CR 06A(P909) | 22-18-2064   | A-4455-CZ 06 B(228) | 22-18-7063   | A-4455-CY 06 A(208) | 22-18-7061   | A-4455-CY 06 B(228) |
| 7    | 22-65-3070   | A-4455-CR 07A(P909) | 22-18-2074   | A-4455-CZ 07 B(228) | 22-18-7073   | A-4455-CY 07 A(208) | 22-18-7071   | A-4455-CY 07 B(228) |
| 8    | 22-65-3080   | A-4455-CR 08A(P909) | 22-18-2084   | A-4455-CZ 08 B(228) | 22-18-7083   | A-4455-CY 08 A(208) | 22-18-7081   | A-4455-CY 08 B(228) |
| 9    | 22-65-3090   | A-4455-CR 09A(P909) | 22-18-2094   | A-4455-CZ 09 B(228) | 22-18-7093   | A-4455-CY 09 A(208) | 22-18-7091   | A-4455-CY 09 B(228) |
| 10   | 22-65-3100   | A-4455-CR 10A(P909) | 22-18-2104   | A-4455-CZ 10 B(228) | 22-18-7103   | A-4455-CY 10 A(208) | 22-18-7101   | A-4455-CY 10 B(228) |
| 11   | 22-65-3110   | A-4455-CR 11A(P909) | 22-18-2114   | A-4455-CZ 11 B(228) | 22-18-7113   | A-4455-CY 11 A(208) | 22-18-7111   | A-4455-CY 11 B(228) |
| 12   | 22-65-3120   | A-4455-CR 12A(P909) | 22-18-2124   | A-4455-CZ 12 B(228) | 22-18-7123   | A-4455-CY 12 A(208) | 22-18-7121   | A-4455-CY 12 B(228) |
| 13   | 22-65-3130   | A-4455-CR 13A(P909) | 22-18-2134   | A-4455-CZ 13 B(228) | 22-18-7133   | A-4455-CY 13 A(208) | 22-18-7131   | A-4455-CY 13 B(228) |
| 14   | 22-65-3140   | A-4455-CR 14A(P909) | 22-18-2144   | A-4455-CZ 14 B(228) | 22-18-7143   | A-4455-CY 14 A(208) | 22-18-7141   | A-4455-CY 14 B(228) |
| 15   | 22-65-3150   | A-4455-CR 15A(P909) | 22-18-2154   | A-4455-CZ 15 B(228) | 22-18-7153   | A-4455-CY 15 A(208) | 22-18-7151   | A-4455-CY 15 B(228) |
| 16   | 22-65-3160   | A-4455-CR 16A(P909) | 22-18-2164   | A-4455-CZ 16 B(228) | 22-18-7163   | A-4455-CY 16 A(208) | 22-18-7161   | A-4455-CY 16 B(228) |
| 17   | 22-65-3170   | A-4455-CR 17A(P909) | 22-18-2174   | A-4455-CZ 17 B(228) | 22-18-7173   | A-4455-CY 17 A(208) | 22-18-7171   | A-4455-CY 17 B(228) |
| 18   | 22-65-3180   | A-4455-CR 18A(P909) | 22-18-2184   | A-4455-CZ 18 B(228) | 22-18-7183   | A-4455-CY 18 A(208) | 22-18-7181   | A-4455-CY 18 B(228) |
| 19   | 22-65-3190   | A-4455-CR 19A(P909) | 22-18-2194   | A-4455-CZ 19 B(228) | 22-18-7193   | A-4455-CY 19 A(208) | 22-18-7191   | A-4455-CY 19 B(228) |
| 20   | 22-65-3200   | A-4455-CR 20A(P909) | 22-18-2204   | A-4455-CZ 20 B(228) | 22-18-7203   | A-4455-CY 20 A(208) | 22-18-7201   | A-4455-CY 20 B(228) |
| 21   | 22-65-3210   | A-4455-CR 21A(P909) | 22-18-2214   | A-4455-CZ 21 B(228) | 22-18-7213   | A-4455-CY 21 A(208) | 22-18-7211   | A-4455-CY 21 B(228) |
| 22   | 22-65-3220   | A-4455-CR 22A(P909) | 22-18-2224   | A-4455-CZ 22 B(228) | 22-18-7223   | A-4455-CY 22 A(208) | 22-18-7221   | A-4455-CY 22 B(228) |
| 23   | 22-65-3230   | A-4455-CR 23A(P909) | 22-18-2234   | A-4455-CZ 23 B(228) | 22-18-7233   | A-4455-CY 23 A(208) | 22-18-7231   | A-4455-CY 23 B(228) |
| 24   | 22-65-3240   | A-4455-CR 24A(P909) | 22-18-2244   | A-4455-CZ 24 B(228) | 22-18-7243   | A-4455-CY 24 A(208) | 22-18-7241   | A-4455-CY 24 B(228) |
| 25   | 22-65-3250   | A-4455-CR 25A(P909) | 22-18-2254   | A-4455-CZ 25 B(228) | 22-18-7253   | A-4455-CY 25 A(208) | 22-18-7251   | A-4455-CY 25 B(228) |

|                         |                              |                    |  |                  |
|-------------------------|------------------------------|--------------------|--|------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>      | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>SHEET No.</b> |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b>  |                    |  | <b>- 11 -</b>    |
|                         | DATE: <b>4/15/2010</b>       |                    |  |                  |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b> | <b>APPROVED BY:</b>                        |                  |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>       | <b>FSMITH</b>                              |                  |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc:   | RIGHT ANGLE         | Assy Proc:   | BOTTOM ENTRY        | Assy Proc:   | RIGHT ANGLE          | Assy Proc:   | RIGHT ANGLE         |
|------|--------------|---------------------|--------------|---------------------|--------------|----------------------|--------------|---------------------|
|      | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  | Hooks Cut:   | NO                   | Hooks Cut:   | NO                  |
|      | Housing No:  | 4455-N              | Housing No:  | 4455-N2             | Housing No:  | 4455-AN              | Housing No:  | 4455-AN             |
|      | Terminal No: | 6516-5C(P909)       | Terminal No: | 6516-6C(P909)       | Terminal No: | 6516-4(P909)         | Terminal No: | 4316-4(565)         |
|      | Dim C:       | 3.35±1.00/.132±.039 | Dim C:       | 3.61±1.00/.142±.039 | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132         |
|      | Plating:     | P909                | Plating:     | P909                | Plating:     | P909                 | Plating:     | 565                 |
|      | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001         | Packaging:   | PK-44646-001        |
|      | Voids:       | NO                  | Voids:       | NO                  | Voids:       | NO                   | Voids:       | NO                  |
|      |              |                     |              |                     |              |                      |              |                     |
| Ckts | Material No  | Engineer Number     | Material No  | Engineer Number     | Material No  | Engineer Number      | Material No  | Engineer Number     |
| 2    | 38-00-1332   | A-4455-AZ02C(P909)  | 38-00-1392   | A-4455-BH02F(P909)  |              |                      |              |                     |
| 3    | 38-00-1333   | A-4455-AZ03C(P909)  | 38-00-1393   | A-4455-BH03F(P909)  |              |                      |              |                     |
| 4    | 38-00-1334   | A-4455-AZ04C(P909)  | 38-00-1394   | A-4455-BH04F(P909)  |              |                      |              |                     |
| 5    | 38-00-1335   | A-4455-AZ05C(P909)  | 38-00-1395   | A-4455-BH05F(P909)  |              |                      |              |                     |
| 6    | 38-00-1336   | A-4455-AZ06C(P909)  | 38-00-1396   | A-4455-BH06F(P909)  |              |                      |              |                     |
| 7    | 38-00-1337   | A-4455-AZ07C(P909)  | 38-00-1397   | A-4455-BH07F(P909)  | 22-14-2079   | A-4455-AA07B(P909)   | 22-14-2077   | A-4455-AA07A(565)   |
| 8    | 38-00-1338   | A-4455-AZ08C(P909)  | 38-00-1398   | A-4455-BH08F(P909)  | 22-14-2089   | A-4455-AA 08 B(P909) | 22-14-2087   | A-4455-AA 08 A(565) |
| 9    | 38-00-1339   | A-4455-AZ09C(P909)  | 38-00-1399   | A-4455-BH09F(P909)  | 22-14-2099   | A-4455-AA 09 B(P909) | 22-14-2097   | A-4455-AA 09 A(565) |
| 10   | 38-00-1340   | A-4455-AZ10C(P909)  | 38-00-1400   | A-4455-BH10F(P909)  | 22-14-2109   | A-4455-AA 10 B(P909) | 22-14-2107   | A-4455-AA 10 A(565) |
| 11   | 38-00-1341   | A-4455-AZ11C(P909)  | 38-00-1401   | A-4455-BH11F(P909)  | 22-14-2119   | A-4455-AA 11 B(P909) | 22-14-2117   | A-4455-AA 11 A(565) |
| 12   | 38-00-1342   | A-4455-AZ12C(P909)  | 38-00-1402   | A-4455-BH12F(P909)  | 22-14-2129   | A-4455-AA 12 B(P909) | 22-14-2127   | A-4455-AA 12 A(565) |
| 13   | 38-00-1343   | A-4455-AZ13C(P909)  | 38-00-1403   | A-4455-BH13F(P909)  | 22-14-2139   | A-4455-AA 13 B(P909) | 22-14-2137   | A-4455-AA 13 A(565) |
| 14   | 38-00-1344   | A-4455-AZ14C(P909)  | 38-00-1404   | A-4455-BH14F(P909)  | 22-14-2149   | A-4455-AA 14 B(P909) | 22-14-2147   | A-4455-AA 14 A(565) |
| 15   | 38-00-1345   | A-4455-AZ15C(P909)  | 38-00-1405   | A-4455-BH15F(P909)  | 22-14-2159   | A-4455-AA 15 B(P909) | 22-14-2157   | A-4455-AA 15 A(565) |
| 16   | 38-00-1346   | A-4455-AZ16C(P909)  | 38-00-1406   | A-4455-BH16F(P909)  | 22-14-2169   | A-4455-AA 16 B(P909) | 22-14-2167   | A-4455-AA 16 A(565) |
| 17   | 38-00-1347   | A-4455-AZ17C(P909)  | 38-00-1407   | A-4455-BH17F(P909)  | 22-14-2179   | A-4455-AA 17 B(P909) | 22-14-2177   | A-4455-AA 17 A(565) |
| 18   | 38-00-1348   | A-4455-AZ18C(P909)  | 38-00-1408   | A-4455-BH18F(P909)  | 22-14-2189   | A-4455-AA 18 B(P909) | 22-14-2187   | A-4455-AA 18 A(565) |
| 19   | 38-00-1349   | A-4455-AZ19C(P909)  | 38-00-1409   | A-4455-BH19F(P909)  | 22-14-2199   | A-4455-AA 19 B(P909) | 22-14-2197   | A-4455-AA 19 A(565) |
| 20   | 38-00-1350   | A-4455-AZ20C(P909)  | 38-00-1410   | A-4455-BH20F(P909)  | 22-14-2209   | A-4455-AA 20 B(P909) | 22-14-2207   | A-4455-AA 20 A(565) |
| 21   | 38-00-1351   | A-4455-AZ21C(P909)  | 38-00-1411   | A-4455-BH21F(P909)  | 22-14-2219   | A-4455-AA 21 B(P909) | 22-14-2217   | A-4455-AA 21 A(565) |
| 22   | 38-00-1352   | A-4455-AZ22C(P909)  | 38-00-1412   | A-4455-BH22F(P909)  | 22-14-2229   | A-4455-AA 22 B(P909) | 22-14-2227   | A-4455-AA 22 A(565) |
| 23   | 38-00-1353   | A-4455-AZ23C(P909)  | 38-00-1413   | A-4455-BH23F(P909)  | 22-14-2239   | A-4455-AA 23 B(P909) | 22-14-2237   | A-4455-AA 23 A(565) |
| 24   | 38-00-1354   | A-4455-AZ24C(P909)  | 38-00-1414   | A-4455-BH24F(P909)  | 22-14-2249   | A-4455-AA 24 B(P909) | 22-14-2247   | A-4455-AA 24 A(565) |
| 25   | 38-00-1355   | A-4455-AZ25C(P909)  | 38-00-1415   | A-4455-BH25F(P909)  | 22-14-2259   | A-4455-AA 25 B(P909) | 22-14-2257   | A-4455-AA 25 A(565) |

|                         |                              |                    |  |                  |
|-------------------------|------------------------------|--------------------|--|------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>      | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>SHEET No.</b> |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b>  |                    |  | <b>- 12 -</b>    |
|                         | DATE: <b>4/15/2010</b>       |                    |  |                  |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b> | <b>APPROVED BY:</b>                        |                  |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>       | <b>FSMITH</b>                              |                  |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc:   | RIGHT ANGLE          | Assy Proc:   | RIGHT ANGLE         | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY            |
|------|--------------|----------------------|--------------|---------------------|--------------|---------------------|--------------|----------------------|
|      | Hooks Cut:   | NO                   | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  | Hooks Cut:   | YES                  |
|      | Housing No:  | 4455-AN              | Housing No:  | 4455-BN             | Housing No:  | 4455-N              | Housing No:  | 4455-N-02            |
|      | Terminal No: | 4316-4A(P909)        | Terminal No: | 4316-4(565)         | Terminal No: | 6516-5C(P909)       | Terminal No: | 4316-4(P909)         |
|      | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132         | Dim C:       | 3.35±1.00/.132±.039 | Dim C:       | 3.35 / .132          |
|      | Plating:     | P909                 | Plating:     | 565                 | Plating:     | P909                | Plating:     | P909                 |
|      | Packaging:   | PK-44646-001         | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-003         |
|      | Voids:       | NO                   | Voids:       | NO                  | Voids:       | NO                  | Voids:       | YES IN CKT 2         |
|      |              |                      |              |                     |              |                     |              |                      |
| Ckts | Material No  | Engineer Number      | Material No  | Engineer Number     | Material No  | Engineer Number     | Material No  | Engineer Number      |
| 2    |              |                      | 22-16-3028   | A-4455-AB02A(565)   | 38-00-1422   | A-4455-CZ02C(P909)  |              |                      |
| 3    |              |                      | 22-16-3038   | A-4455-AB 03 A(565) | 38-00-1423   | A-4455-CZ03C(P909)  |              |                      |
| 4    |              |                      | 22-16-3048   | A-4455-AB 04 A(565) | 38-00-1424   | A-4455-CZ04C(P909)  |              |                      |
| 5    |              |                      | 22-16-3058   | A-4455-AB 05 A(565) | 38-00-1425   | A-4455-CZ05C(P909)  |              |                      |
| 6    |              |                      | 22-16-3068   | A-4455-AB 06 A(565) | 38-00-1426   | A-4455-CZ06C(P909)  | 22-02-3068   | A-4455-CW06A(P909)-2 |
| 7    | 22-14-3617   | A-4455-AA07T(P909)   | 22-16-3078   | A-4455-AB 07 A(565) | 38-00-1427   | A-4455-CZ07C(P909)  | 50-29-0004   | A-4455-CW07A(P909)-2 |
| 8    | 22-14-3618   | A-4455-AA 08 T(P909) | 22-16-3088   | A-4455-AB 08 A(565) | 38-00-1428   | A-4455-CZ08C(P909)  |              |                      |
| 9    | 22-14-3619   | A-4455-AA 09 T(P909) | 22-16-3098   | A-4455-AB 09 A(565) | 38-00-1429   | A-4455-CZ09C(P909)  |              |                      |
| 10   | 22-14-3711   | A-4455-AA 10 T(P909) | 22-16-3108   | A-4455-AB 10 A(565) | 38-00-1430   | A-4455-CZ10C(P909)  |              |                      |
| 11   | 22-14-3712   | A-4455-AA 11 T(P909) | 22-16-3118   | A-4455-AB 11 A(565) | 38-00-1431   | A-4455-CZ11C(P909)  |              |                      |
| 12   | 22-14-3713   | A-4455-AA 12 T(P909) | 22-16-3128   | A-4455-AB 12 A(565) | 38-00-1432   | A-4455-CZ12C(P909)  |              |                      |
| 13   | 22-14-3714   | A-4455-AA 13 T(P909) | 22-16-3138   | A-4455-AB 13 A(565) | 38-00-1433   | A-4455-CZ13C(P909)  |              |                      |
| 14   | 22-14-3715   | A-4455-AA 14 T(P909) | 22-16-3148   | A-4455-AB 14 A(565) | 38-00-1434   | A-4455-CZ14C(P909)  |              |                      |
| 15   | 22-14-3716   | A-4455-AA 15 T(P909) | 22-16-3158   | A-4455-AB 15 A(565) | 38-00-1435   | A-4455-CZ15C(P909)  |              |                      |
| 16   | 22-14-3717   | A-4455-AA 16 T(P909) | 22-16-3168   | A-4455-AB 16 A(565) | 38-00-1436   | A-4455-CZ16C(P909)  |              |                      |
| 17   | 22-14-3718   | A-4455-AA 17 T(P909) | 22-16-3178   | A-4455-AB 17 A(565) | 38-00-1437   | A-4455-CZ17C(P909)  |              |                      |
| 18   | 22-14-3719   | A-4455-AA 18 T(P909) | 22-16-3188   | A-4455-AB 18 A(565) | 38-00-1438   | A-4455-CZ18C(P909)  |              |                      |
| 19   | 22-14-3811   | A-4455-AA 19 T(P909) | 22-16-3198   | A-4455-AB 19 A(565) | 38-00-1439   | A-4455-CZ19C(P909)  |              |                      |
| 20   | 22-14-3812   | A-4455-AA 20 T(P909) | 22-16-3208   | A-4455-AB 20 A(565) | 38-00-1440   | A-4455-CZ20C(P909)  |              |                      |
| 21   | 22-14-3813   | A-4455-AA 21 T(P909) | 22-16-3218   | A-4455-AB 21 A(565) | 38-00-1441   | A-4455-CZ21C(P909)  |              |                      |
| 22   | 22-14-3814   | A-4455-AA 22 T(P909) | 22-16-3228   | A-4455-AB 22 A(565) | 38-00-1442   | A-4455-CZ22C(P909)  |              |                      |
| 23   | 22-14-3815   | A-4455-AA 23 T(P909) | 22-16-3238   | A-4455-AB 23 A(565) | 38-00-1443   | A-4455-CZ23C(P909)  |              |                      |
| 24   | 22-14-3816   | A-4455-AA 24 T(P909) | 22-16-3248   | A-4455-AB 24 A(565) | 38-00-1444   | A-4455-CZ24C(P909)  |              |                      |
| 25   | 22-14-3817   | A-4455-AA 25 T(P909) | 22-16-3258   | A-4455-AB 25 A(565) | 38-00-1445   | A-4455-CZ25C(P909)  |              |                      |

|                         |                              |  |                     |
|-------------------------|------------------------------|--|---------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>                              |                     |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b>  | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> |                     |
|                         | DATE: <b>4/15/2010</b>       | <b>SHEET No.</b>                           |                     |
|                         |                              | <b>- 13 -</b>                              |                     |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b>                         | <b>APPROVED BY:</b> |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>                               | <b>FSMITH</b>       |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc:   | RIGHT ANGLE          | Assy Proc:   | RIGHT ANGLE         | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY            |
|------|--------------|----------------------|--------------|---------------------|--------------|---------------------|--------------|----------------------|
|      | Hooks Cut:   | YES                  | Hooks Cut:   | YES                 | Hooks Cut:   | YES                 | Hooks Cut:   | YES                  |
|      | Housing No:  | 4455-N               | Housing No:  | 4455-N              | Housing No:  | 4455-N              | Housing No:  | 4455-N               |
|      | Terminal No: | 4316-4(P909)         | Terminal No: | 6516-4(208)         | Terminal No: | 6516-4(P909)        | Terminal No: | 4316-4(P909)         |
|      | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132          |
|      | Plating:     | P909                 | Plating:     | 208                 | Plating:     | P909                | Plating:     | P909                 |
|      | Packaging:   | PK-44646-004         | Packaging:   | PK-44646-004        | Packaging:   | PK-44646-003        | Packaging:   | PK-44646-003         |
|      | Voids:       | NO                   | Voids:       | NO                  | Voids:       | NO                  | Voids:       | YES IN CKT 2         |
|      |              |                      |              |                     |              |                     |              |                      |
| Ckts | Material No  | Engineer Number      | Material No  | Engineer Number     | Material No  | Engineer Number     | Material No  | Engineer Number      |
| 2    |              | A-4455-AY02A(P909)   |              | A-4455-AY02B(208)   |              | A-4455-CY02B(P909)  |              |                      |
| 3    | 22-02-7262   | A-4455-AY 03 A(P909) | 50-29-0035   | A-4455-AY 03 B(208) |              | A-4455-CY 03B(P909) |              |                      |
| 4    |              | A-4455-AY 04 A(P909) |              | A-4455-AY 04 B(208) |              | A-4455-CY 04B(P909) |              |                      |
| 5    |              | A-4455-AY 05 A(P909) |              | A-4455-AY 05 B(208) | 50-29-1553   | A-4455-CY 05B(P909) |              |                      |
| 6    |              | A-4455-AY 06 A(P909) |              | A-4455-AY 06 B(208) | 50-29-1554   | A-4455-CY 06B(P909) | 22-15-5065   | A-4455-CY06A(P909)-2 |
| 7    |              | A-4455-AY 07 A(P909) |              | A-4455-AY 07 B(208) |              | A-4455-CY 07B(P909) |              |                      |
| 8    |              | A-4455-AY 08 A(P909) |              | A-4455-AY 08 B(208) |              | A-4455-CY 08B(P909) |              |                      |
| 9    |              | A-4455-AY 09 A(P909) |              | A-4455-AY 09 B(208) |              | A-4455-CY 09B(P909) |              |                      |
| 10   |              | A-4455-AY 10 A(P909) |              | A-4455-AY 10 B(208) |              | A-4455-CY 10B(P909) |              |                      |
| 11   |              | A-4455-AY 11 A(P909) |              | A-4455-AY 11 B(208) |              | A-4455-CY 11B(P909) |              |                      |
| 12   |              | A-4455-AY 12 A(P909) |              | A-4455-AY 12 B(208) |              | A-4455-CY 12B(P909) |              |                      |
| 13   |              | A-4455-AY 13 A(P909) |              | A-4455-AY 13 B(208) |              | A-4455-CY 13B(P909) |              |                      |
| 14   |              | A-4455-AY 14 A(P909) |              | A-4455-AY 14 B(208) |              | A-4455-CY 14B(P909) |              |                      |
| 15   |              | A-4455-AY 15 A(P909) |              | A-4455-AY 15 B(208) |              | A-4455-CY 15B(P909) |              |                      |
| 16   |              | A-4455-AY 16 A(P909) |              | A-4455-AY 16 B(208) |              | A-4455-CY 16B(P909) |              |                      |
| 17   |              | A-4455-AY 17 A(P909) |              | A-4455-AY 17 B(208) |              | A-4455-CY 17B(P909) |              |                      |
| 18   |              | A-4455-AY 18 A(P909) |              | A-4455-AY 18 B(208) |              | A-4455-CY 18B(P909) |              |                      |
| 19   |              | A-4455-AY 19 A(P909) |              | A-4455-AY 19 B(208) |              | A-4455-CY 19B(P909) |              |                      |
| 20   |              | A-4455-AY 20 A(P909) |              | A-4455-AY 20 B(208) |              | A-4455-CY 20B(P909) |              |                      |
| 21   |              | A-4455-AY 21 A(P909) |              | A-4455-AY 21 B(208) |              | A-4455-CY 21B(P909) |              |                      |
| 22   |              | A-4455-AY 22 A(P909) |              | A-4455-AY 22 B(208) |              | A-4455-CY 22B(P909) |              |                      |
| 23   |              | A-4455-AY 23 A(P909) |              | A-4455-AY 23 B(208) |              | A-4455-CY 23B(P909) |              |                      |
| 24   |              | A-4455-AY 24 A(P909) |              | A-4455-AY 24 B(208) |              | A-4455-CY 24B(P909) |              |                      |
| 25   |              | A-4455-AY 25 A(P909) |              | A-4455-AY 25 B(208) |              | A-4455-CY 25B(P909) |              |                      |

|                         |                              |                    |  |                  |
|-------------------------|------------------------------|--------------------|--|------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>  | <b>TITLE:</b>      | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>SHEET No.</b> |
| <b>D7</b>               | <b>EC No.:</b> UCP2010-2172  |                    |  | <b>- 14 -</b>    |
|                         | <b>DATE:</b> 4/15/2010       |                    |  |                  |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b> | <b>CHECKED BY:</b> | <b>APPROVED BY:</b>                        |                  |
| <b>SDA-4455</b>         | <b>MKIPPER</b>               | <b>JBELL</b>       | <b>FSMITH</b>                              |                  |





# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc:   | BOTTOM ENTRY          | Assy Proc:   | BOTTOM ENTRY         | Assy Proc:   |                 | Assy Proc:   |                 |
|------|--------------|-----------------------|--------------|----------------------|--------------|-----------------|--------------|-----------------|
|      | Hooks Cut:   | NO                    | Hooks Cut:   | NO                   | Hooks Cut:   |                 | Hooks Cut:   |                 |
|      | Housing No:  | 4455-N2               | Housing No:  | 4455-N2              | Housing No:  |                 | Housing No:  |                 |
|      | Terminal No: | 4316-3B(P909)         | Terminal No: | 4316-3B(208)         | Terminal No: |                 | Terminal No: |                 |
|      | Dim C:       | .132 / 3.35           | Dim C:       | .132 / 3.35          | Dim C:       |                 | Dim C:       |                 |
|      | Plating:     | P909                  | Plating:     | 208                  | Plating:     |                 | Plating:     |                 |
|      | Packaging:   | PK-44646-001          | Packaging:   | PK-44646-001         | Packaging:   |                 | Packaging:   |                 |
|      | Voids:       | YES IN CKT 10         | Voids:       | 2,3,4,6,7,8,10,11,12 | Voids:       |                 | Voids:       |                 |
|      |              |                       |              |                      |              |                 |              |                 |
| Ckts | Material No  | Engineer Number       | Material No  | Engineer Number      | Material No  | Engineer Number | Material No  | Engineer Number |
| 2    |              |                       |              |                      |              |                 |              |                 |
| 3    |              |                       |              |                      |              |                 |              |                 |
| 4    |              |                       |              |                      |              |                 |              |                 |
| 5    |              |                       |              |                      |              |                 |              |                 |
| 6    |              |                       |              |                      |              |                 |              |                 |
| 7    |              |                       |              |                      |              |                 |              |                 |
| 8    |              |                       |              |                      |              |                 |              |                 |
| 9    |              |                       |              |                      |              |                 |              |                 |
| 10   |              |                       |              |                      |              |                 |              |                 |
| 11   | 50-36-1881   | A-4455-BH11D(P909)-10 |              |                      |              |                 |              |                 |
| 12   |              |                       |              |                      |              |                 |              |                 |
| 13   |              |                       | 26-01-3099   | A-4455-BH13D(208)-51 |              |                 |              |                 |
| 14   |              |                       |              |                      |              |                 |              |                 |
| 15   |              |                       |              |                      |              |                 |              |                 |
| 16   |              |                       |              |                      |              |                 |              |                 |
| 17   |              |                       |              |                      |              |                 |              |                 |
| 18   |              |                       |              |                      |              |                 |              |                 |
| 19   |              |                       |              |                      |              |                 |              |                 |
| 20   |              |                       |              |                      |              |                 |              |                 |
| 21   |              |                       |              |                      |              |                 |              |                 |
| 22   |              |                       |              |                      |              |                 |              |                 |
| 23   |              |                       |              |                      |              |                 |              |                 |
| 24   |              |                       |              |                      |              |                 |              |                 |
| 25   |              |                       |              |                      |              |                 |              |                 |

|                         |   |  |                     |
|-------------------------|---|--|---------------------|
| <b>REV:</b>             | <b>ECR/ECN INFORMATION:</b>                           | <b>TITLE:</b>                              | <b>SHEET No.</b>    |
| <b>D7</b>               | EC No.: <b>UCP2010-2172</b><br>DATE: <b>4/15/2010</b> | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>- 15 -</b>       |
| <b>DOCUMENT NUMBER:</b> | <b>CREATED / REVISED BY:</b>                          | <b>CHECKED BY:</b>                         | <b>APPROVED BY:</b> |
| <b>SDA-4455</b>         | <b>MKIPPER</b>  | <b>JBELL</b>                               | <b>FSMITH</b>       |