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ELECTRONICS

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Jameco Part Number 796096

## FEATURES AND SPECIFICATIONS

### Features and Benefits

- Sizes 2 to 25 circuits
- End-to-end stackable
- See 42625 Series for high temperature version
- Thicker board hooks available

### Reference Information

Product Specification: PS-10-07

Packaging: Tray

UL File No.: E29179

CSA File No.: LR19980

Mates With: 4030, 4094, 4380, 42152, 42153, 42375,

42376 and 42377 headers and .025" square pins

Designed In: Inches

### Electrical

Voltage: 250V

Current: 2.5A max.\*

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1500V AC

Insulation Resistance: 500K MΩ min.

### Mechanical

Mating Force: 199g max.

Unmating Force: 57g min.

### Physical

Housing: Nylon, UL 94V-0

Contact: Brass (contact Molex for Phosphor Bronze)

Plating: See Table

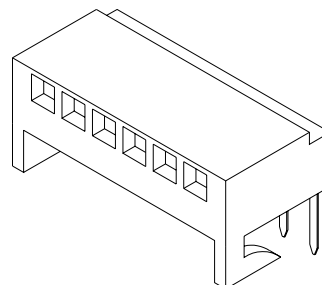
Operating Temperature: 0 to +75°C



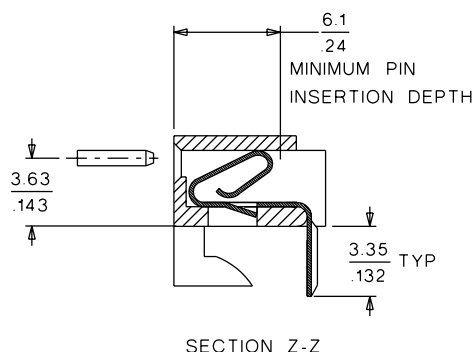
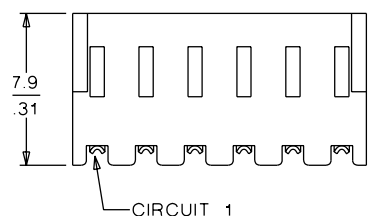
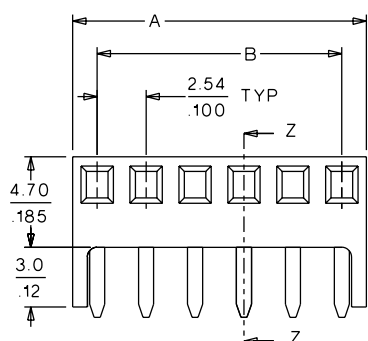
## 2.54mm (.100") Pitch KK® PC Board Connector

### 4455

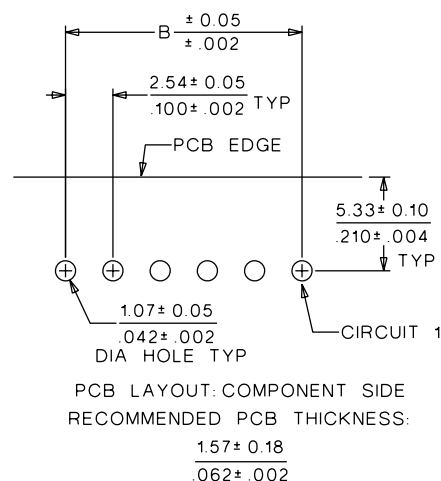
### Right Angle



## CATALOG DRAWING (FOR REFERENCE ONLY)



| Polarizing Key 4161-1 | Order No.  |
|-----------------------|------------|
|                       | 15-04-9209 |



## ORDERING INFORMATION AND DIMENSIONS

| Circuits | Order No.    |              |              | Dimension     |               |
|----------|--------------|--------------|--------------|---------------|---------------|
|          | Tin          | Gold         | Select Gold  | A             | B             |
| 2        | • 22-15-2026 | • 22-16-2021 | • 22-16-2020 | 4.98 (.196)   | 2.54 (.100)   |
| 3        | • 22-15-2036 | • 22-16-2031 | • 22-16-2030 | 7.52 (.296)   | 5.08 (.200)   |
| 4        | • 22-15-2046 | • 22-16-2041 | • 22-16-2040 | 10.06 (.396)  | 7.62 (.300)   |
| 5        | • 22-15-2056 | • 22-16-2051 | • 22-16-2050 | 12.60 (.496)  | 10.16 (.400)  |
| 6        | • 22-15-2066 | • 22-16-2061 | • 22-16-2060 | 15.14 (.596)  | 12.70 (.500)  |
| 7        | • 22-15-2076 | • 22-16-2071 | • 22-16-2070 | 17.68 (.696)  | 15.24 (.600)  |
| 8        | • 22-15-2086 | • 22-16-2081 | • 22-16-2080 | 20.22 (.796)  | 17.78 (.700)  |
| 9        | • 22-15-2096 | • 22-16-2091 | • 22-16-2090 | 22.76 (.896)  | 20.32 (.800)  |
| 10       | • 22-15-2106 | • 22-16-2101 | • 22-16-2100 | 25.30 (.996)  | 22.86 (.900)  |
| 11       | • 22-15-2116 | • 22-16-2111 | • 22-16-2110 | 27.84 (1.096) | 25.40 (1.000) |
| 12       | • 22-15-2126 | • 22-16-2121 | • 22-16-2120 | 30.38 (1.196) | 27.94 (1.100) |
| 13       | • 22-15-2136 | • 22-16-2131 | • 22-16-2130 | 32.92 (1.296) | 30.48 (1.200) |

| Circuits | Order No.    |              |              | Dimension     |               |
|----------|--------------|--------------|--------------|---------------|---------------|
|          | Tin          | Gold         | Select Gold  | A             | B             |
| 14       | • 22-15-2146 | • 22-16-2141 | • 22-16-2140 | 35.46 (1.396) | 33.02 (1.300) |
| 15       | • 22-15-2156 | • 22-16-2151 | • 22-16-2150 | 38.00 (1.496) | 35.56 (1.400) |
| 16       | • 22-15-2166 | • 22-16-2161 | • 22-16-2160 | 40.54 (1.596) | 38.10 (1.500) |
| 17       | • 22-15-2176 | • 22-16-2171 | • 22-16-2170 | 43.08 (1.696) | 40.64 (1.600) |
| 18       | • 22-15-2186 | • 22-16-2181 | • 22-16-2180 | 45.62 (1.796) | 43.18 (1.700) |
| 19       | • 22-15-2196 | • 22-16-2191 | • 22-16-2190 | 48.16 (1.896) | 45.72 (1.800) |
| 20       | • 22-15-2206 | • 22-16-2201 | • 22-16-2200 | 50.70 (1.996) | 48.26 (1.900) |
| 21       | • 22-15-2216 | • 22-16-2211 | • 22-16-2210 | 53.24 (2.096) | 50.80 (2.000) |
| 22       | • 22-15-2226 | • 22-16-2221 | • 22-16-2220 | 55.76 (2.196) | 53.34 (2.100) |
| 23       | • 22-15-2236 | • 22-16-2231 | • 22-16-2230 | 58.32 (2.296) | 55.88 (2.200) |
| 24       | • 22-15-2246 | • 22-16-2241 | • 22-16-2240 | 60.86 (2.396) | 58.42 (2.300) |
| 25       | • 22-15-2256 | • 22-16-2251 | • 22-16-2250 | 63.40 (2.496) | 60.96 (2.400) |

\* US Standard Product, available through Molex franchised distributors

\* Current rating is dependent upon PCB traces, Copper weight, solder, etc. (contact Molex for more information)



# PRODUCT SPECIFICATION

## 1.0 SCOPE

This Product Specification covers the following

A. 2.50 mm centerline (pitch) 0.64 mm square pin headers

B. 2.54 mm centerline (pitch) 0.64 mm square pin headers

when mated with either printed circuit board (PCB) connectors or connectors terminated with 22 to 28 AWG wire using crimp technology.

## 2.0 PRODUCT DESCRIPTION

### 2.1 PRODUCT NAME AND SERIES NUMBERS

Crimp Terminals: 4809, 2759, 41572, 6459, 40445, 8088

Crimp Housings: 2695, 5051, 6471

PCB Connectors: 7534, 4455

Headers: 3022, 3202, 3094, 3494, 6410, 7930, 7395, 90578

Wire to board connector : 7690

Other products conforming to this specification are noted on the individual drawings.

### 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Terminal Material: Brass or Phos. Bronze (for Max performance use phos bronze material.)

Housing: Nylon or Polyester

Pins: Brass or Phos. Bronze

For more information on dimensions, materials, and plating see the individual drawings.

### 2.3 SAFETY AGENCY APPROVALS

UL File Number ..... E29179

CSA .....LR19980

## 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

None

## 4.0 RATINGS

### 4.1 VOLTAGE

250 Volts

**4.2 CURRENT AND APPLICABLE WIRES** (Current is dependent on connector size, contact material, plating, ambient temperature, printed circuit board characteristics and related factors. Actual current rating is application dependent and should be evaluated for each application.)

| AWG | Amps (Max) | Outside Insulation Diameter |
|-----|------------|-----------------------------|
| 22  | 4.00       | See Drawings                |
| 24  | 3.75       | See Drawings                |
| 26  | 3.50       | See Drawings                |
| 28  | 3.00       | See Drawings                |

### 4.3 TEMPERATURE (ambient + 30° temp rise)

Operating: 0°C to +75°C

Non-operating: - 40°C to +105°C

|                      |                                            |                                                                               |                  |
|----------------------|--------------------------------------------|-------------------------------------------------------------------------------|------------------|
| REVISION:            | ECR/ECN INFORMATION:                       | TITLE:                                                                        | SHEET No.        |
| <b>A</b>             | EC No: E2003 -0971<br>DATE: 2003 / 03 / 18 | <b>PRODUCT SPECIFICATION<br/>2.50mm &amp; 2.54mm CENTER KK<br/>CONNECTORS</b> | <b>1 of 5</b>    |
| DOCUMENT NUMBER:     | CREATED / REVISED BY:                      | CHECKED BY:                                                                   | APPROVED BY:     |
| <b>PS-99020-0088</b> | <b>B MAGUIRE</b>                           | <b>L Kiernan</b>                                                              | <b>M Wilhite</b> |



# PRODUCT SPECIFICATION

## 5.0 PERFORMANCE

### 5.1 ELECTRICAL REQUIREMENTS

| DESCRIPTION                                        | TEST CONDITION                                                                                                                                                                                    | REQUIREMENT                          |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Contact Resistance (Low Level)                     | Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA.                                                                                                                        | 10 milliohms<br>MAXIMUM<br>[initial] |
| Contact Resistance of Wire Termination (Low Level) | Terminate the applicable wire to the terminal and measure wire using a voltage of 20 mV and a current of 100 mA.                                                                                  | 2 milliohms<br>MAXIMUM<br>[initial]  |
| Insulation Resistance                              | Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.                                                                               | 1000 Megaohms<br>MINIMUM             |
| Dielectric Withstanding Voltage                    | Unmate connectors: apply a voltage of {two times the rated voltage plus 1000 volts} VAC for 1 minute between adjacent terminals and between terminals to ground.                                  | No breakdown                         |
| Capacitance                                        | Measure between adjacent terminals at 1 MHz.                                                                                                                                                      | 2 picofarads<br>MAXIMUM              |
| Temperature Rise (via Current Cycling)             | Mate connectors: measure the temperature rise at the rated current after:<br>1) 96 hours (steady state)<br>2) 240 hours (45 minutes ON and 15 minutes OFF per hour)<br>3) 96 hours (steady state) | Temperature rise:<br>+30°C MAXIMUM   |

|                      |                                                          |                                                                               |                  |
|----------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|------------------|
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| DOCUMENT NUMBER:     | CREATED / REVISED BY:                                    | CHECKED BY:                                                                   | APPROVED BY:     |
| <b>PS-99020-0088</b> | <b>B MAGUIRE</b>                                         | <b>L Kiernan</b>                                                              | <b>M Wilhite</b> |



# PRODUCT SPECIFICATION

## 5.2 MECHANICAL REQUIREMENTS

| DESCRIPTION                             | TEST CONDITION                                                                                                                                                | REQUIREMENT                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Connector Mate and Unmate Forces        | Per circuit when mated to a 0.635mm Sq. pin. Mate and unmate connector (male to female) at a rate of $25 \pm 6$ mm per minute.                                | 1.95 N MAXIMUM insertion force & 0.56 N MINIMUM withdrawal force                  |
| Terminal Retention Force (in Housing)   | Axial pullout force on the terminal in the housing at a rate of $25 \pm 6$ mm per minute. (Forces will change with platings and materials.)                   | 17.8 N MINIMUM withdrawal force                                                   |
| Terminal Insertion Force (into Housing) | Apply an axial insertion force on the terminal at a rate of $25 \pm 6$ mm. (Forces will change with platings and materials.)                                  | 6.67 N MAXIMUM insertion force                                                    |
| Durability                              | Mate connectors up to 25 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests.                                                       | 10 milliohms MAXIMUM (change from initial)                                        |
| Vibration (Random)                      | Mate connectors and vibrate per EIA 364-28, test condition VII.                                                                                               | 10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond        |
| Shock (Mechanical)                      | Mate connectors and shock at 50 g's with $\frac{1}{2}$ sine wave (11 milliseconds) shocks in the $\pm X, \pm Y, \pm Z$ axes (18 shocks total).                | 10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond        |
| Wire Pullout Force (Axial)              | Apply an axial pullout force on the wire at a rate of $25 \pm 6$ mm. (For maximum performance use Molex application tooling with stranded tinned copper wire) | 22 awg = 44 N<br>24 awg = 35 N<br>26 awg = 26 N<br>28 awg = 17 N<br>30 awg = 13 N |
| Normal Force                            | Apply a perpendicular force.                                                                                                                                  | 2.94 N (300 grams) average                                                        |

|                      |                                                          |                                                                               |                  |
|----------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|------------------|
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# PRODUCT SPECIFICATION

## 5.3 ENVIRONMENTAL REQUIREMENTS

| DESCRIPTION                | TEST CONDITION                                                                                                                                                                                                                                                                                       | REQUIREMENT                                                                                                                                                                                            |                    |           |    |         |           |            |    |         |           |                                                                         |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|----|---------|-----------|------------|----|---------|-----------|-------------------------------------------------------------------------|
| Shock<br>(Thermal)         | Mate connectors; expose to 5 cycles of:<br><table><tr><th>Temperature °C</th><th>Duration (Minutes)</th></tr><tr><td>-40 +0/-3</td><td>30</td></tr><tr><td>+25 ±10</td><td>5 MAXIMUM</td></tr><tr><td>+105 +3/-0</td><td>30</td></tr><tr><td>+25 ±10</td><td>5 MAXIMUM</td></tr></table>             | Temperature °C                                                                                                                                                                                         | Duration (Minutes) | -40 +0/-3 | 30 | +25 ±10 | 5 MAXIMUM | +105 +3/-0 | 30 | +25 ±10 | 5 MAXIMUM | 10 milliohms MAXIMUM<br>(change from initial)<br>&<br>Visual: No Damage |
| Temperature °C             | Duration (Minutes)                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                        |                    |           |    |         |           |            |    |         |           |                                                                         |
| -40 +0/-3                  | 30                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                        |                    |           |    |         |           |            |    |         |           |                                                                         |
| +25 ±10                    | 5 MAXIMUM                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                        |                    |           |    |         |           |            |    |         |           |                                                                         |
| +105 +3/-0                 | 30                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                        |                    |           |    |         |           |            |    |         |           |                                                                         |
| +25 ±10                    | 5 MAXIMUM                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                        |                    |           |    |         |           |            |    |         |           |                                                                         |
| Thermal Aging              | Mate connectors; expose to:<br>96 hours at 105 ± 2°C                                                                                                                                                                                                                                                 | 10 milliohms MAXIMUM<br>(change from initial])<br>&<br>Visual: No Damage                                                                                                                               |                    |           |    |         |           |            |    |         |           |                                                                         |
| Humidity<br>(Steady State) | Mate connectors: expose to a temperature of<br>40 ± 2°C with a relative humidity of 90-95%<br>for 96 hours.<br><br>Note: Remove surface moisture and air dry<br>for 1 hour prior to measurements.                                                                                                    | 10 milliohms MAXIMUM<br>(change from initial)<br>&<br>Dielectric Withstanding<br>Voltage:<br>No Breakdown at 500 VAC<br>&<br>Insulation Resistance:<br>1000 Megaohms MINIMUM<br>&<br>Visual: No Damage |                    |           |    |         |           |            |    |         |           |                                                                         |
| Humidity<br>(Cyclic)       | Mate connectors: cycle per EIA-364-31: 24<br>cycles at temperature 25 ± 3°C at 80 ± 5%<br>relative humidity and 65 ± 3°C at 50 ± 5%<br>relative humidity; dwell time of 1.0 hour;<br>ramp time of 0.5 hours.<br><br>{Note: Remove surface moisture and air dry<br>for 1 hour prior to measurements.} | 10 milliohms MAXIMUM<br>(change from initial)<br>&<br>Dielectric Withstanding<br>Voltage:<br>No Breakdown at 500 VAC<br>&<br>Insulation Resistance:<br>1000 Megaohms MINIMUM<br>&<br>Visual: No Damage |                    |           |    |         |           |            |    |         |           |                                                                         |
| Solderability              | Per SMES-152                                                                                                                                                                                                                                                                                         | Solder coverage:<br>95% MINIMUM (per<br>SMES-152)                                                                                                                                                      |                    |           |    |         |           |            |    |         |           |                                                                         |

|                      |                                                          |                                                                               |                  |
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| DOCUMENT NUMBER:     | CREATED / REVISED BY:                                    | CHECKED BY:                                                                   | APPROVED BY:     |
| <b>PS-99020-0088</b> | <b>B MAGUIRE</b>                                         | <b>L Kiernan</b>                                                              | <b>M Wilhite</b> |



# PRODUCT SPECIFICATION

## 5.3 ENVIRONMENTAL REQUIREMENTS

| DESCRIPTION       | TEST CONDITION                                                                                                                            | REQUIREMENT                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Solder Resistance | Dip connector terminal tails in solder:<br>Solder Duration: $5 \pm 0.5$ seconds;<br>Solder Temperature: $230 \pm 5^{\circ}\text{C}$       | Visual:<br>No Damage to insulator material                              |
| Salt Spray        | Mate connectors:<br>Duration: 48 hours exposure;<br>Atmosphere: salt spray from a 5% solution;<br>Temperature: $35 +1/-2^{\circ}\text{C}$ | 10 milliohms MAXIMUM<br>(change from initial)<br>&<br>Visual: No Damage |
| Cold Resistance   | Mate connectors:<br>Duration: 96 hours;<br>Temperature: $-40 \pm 3^{\circ}\text{C}$                                                       | 10 milliohms MAXIMUM<br>(change from initial)<br>&<br>Visual: No Damage |

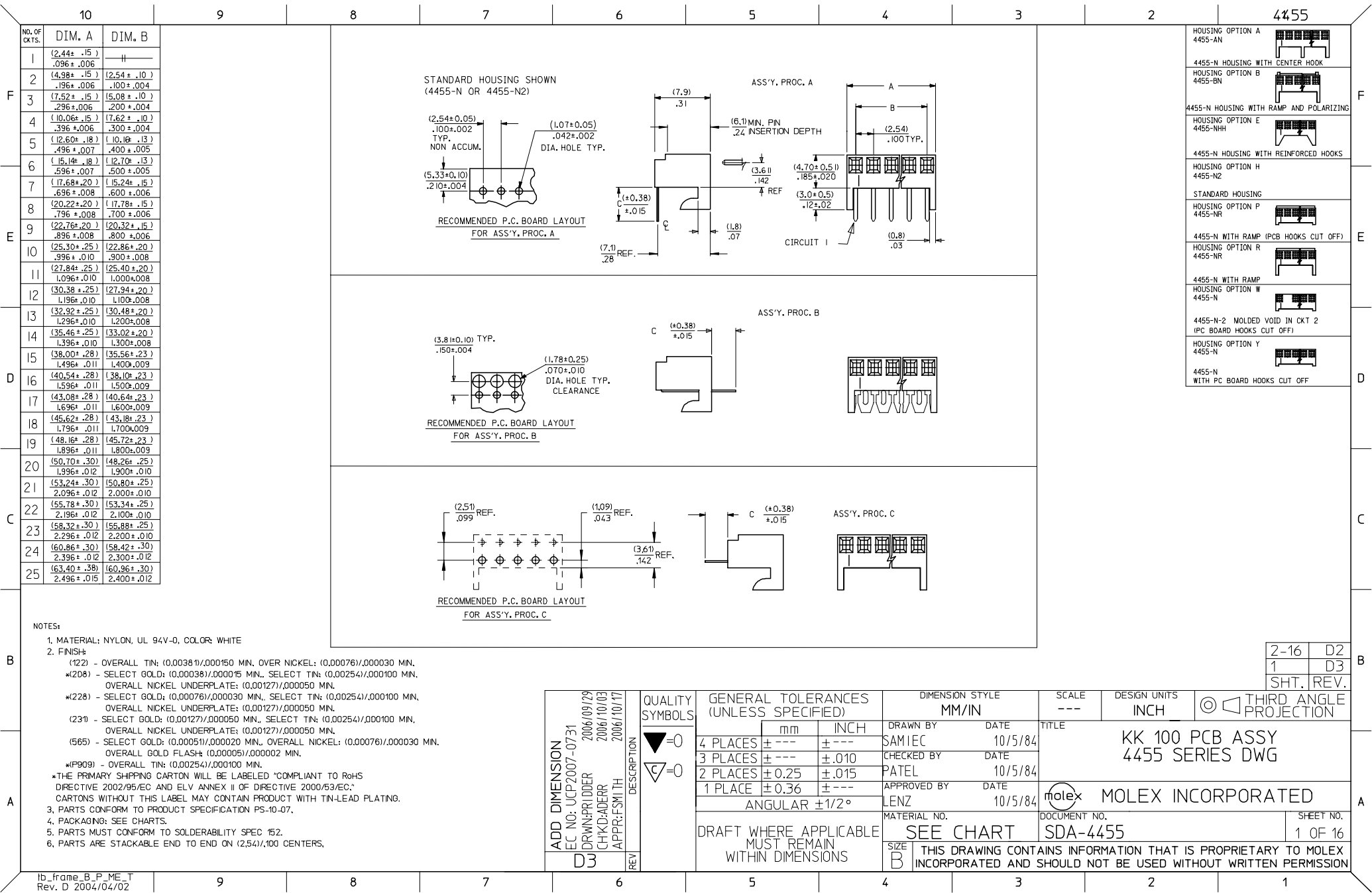
## 6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

## 7.0 GAGES AND FIXTURES

## 8.0 OTHER

|                      |                                                          |                                                                               |                  |
|----------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|------------------|
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| DOCUMENT NUMBER:     | CREATED / REVISED BY:                                    | CHECKED BY:                                                                   | APPROVED BY:     |
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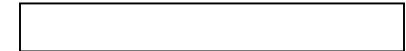






# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES



SDA-4455- \* \* N \* \* - \*

ASSY PROCEDURE  
A=RIGHT ANGLE  
B=BOTTOM ENTRY  
C=TOP ENTRY

HOUSING TYPE  
A=4455-AN  
B=4455-BN  
E=4455-NHH  
H=4455-N2  
P=4455-NR (HOOKS CUT OFF)  
R=4455-NR  
W=4455-N-2 (HOOKS CUT OFF)  
Y=4455-N (HOOKS CUT OFF)

NO OF CIRCUITS

TERMINAL TYPE

| Code | Number     | Material    | Form        |
|------|------------|-------------|-------------|
| A    | 4316-4     | Brass       | Standard    |
| B    | 6516-4     | Phos Bronze | Standard    |
| D    | 4316-3B    | Brass       | Std / 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

|              |              |
|--------------|--------------|
| 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         |

| Ckts | Material No | Engineer Number    |
|------|-------------|--------------------|
| 2    | 22-15-2026  | A-4455-AZ02A(P909) |
| 3    | 22-15-2036  | A-4455-AZ03A(P909) |
| 4    | 22-15-2046  | A-4455-AZ04A(P909) |
| 5    | 22-15-2056  | A-4455-AZ05A(P909) |
| 6    | 22-15-2066  | A-4455-AZ06A(P909) |
| 7    | 22-15-2076  | A-4455-AZ07A(P909) |
| 8    | 22-15-2086  | A-4455-AZ08A(P909) |
| 9    | 22-15-2096  | A-4455-AZ09A(P909) |
| 10   | 22-15-2106  | A-4455-AZ10A(P909) |
| 11   | 22-15-2116  | A-4455-AZ11A(P909) |
| 12   | 22-15-2126  | A-4455-AZ12A(P909) |
| 13   | 22-15-2136  | A-4455-AZ13A(P909) |
| 14   | 22-15-2146  | A-4455-AZ14A(P909) |
| 15   | 22-15-2156  | A-4455-AZ15A(P909) |
| 16   | 22-15-2166  | A-4455-AZ16A(P909) |
| 17   | 22-15-2176  | A-4455-AZ17A(P909) |
| 18   | 22-15-2186  | A-4455-AZ18A(P909) |
| 19   | 22-15-2196  | A-4455-AZ19A(P909) |
| 20   | 22-15-2206  | A-4455-AZ20A(P909) |
| 21   | 22-15-2216  | A-4455-AZ21A(P909) |
| 22   | 22-15-2226  | A-4455-AZ22A(P909) |
| 23   | 22-15-2236  | A-4455-AZ23A(P909) |
| 24   | 22-15-2246  | A-4455-AZ24A(P909) |
| 25   | 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>D2</b>                   | ECR/ECN INFORMATION:<br>EC No.: UCP2006-2779<br>DATE: 5/26/2006 | 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>ADERR</b>                           | CHECKED BY:<br><b>AELHAG</b>                         | APPROVED BY:<br><b>FSMITH</b> |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

STANDARD PRODUCT

|      | 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                |
|      |                        |                     |                         |                      |                         |                     |                         |                     |
| Ckts | 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) |

| REV:             | ECR/ECN INFORMATION: |                       | TITLE:      | SHEET No.    |
|------------------|----------------------|-----------------------|-------------|--------------|
|                  | EC No.:              | UCP2006-2779          |             |              |
|                  | DATE:                | 5/26/2006             |             |              |
| DOCUMENT NUMBER: |                      | CREATED / REVISED BY: | CHECKED BY: | APPROVED BY: |
| SDA-4455         |                      | ADERR                 | AELHAG      | FSMITH       |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES



|      |              |                                 |              |                     |              |                     |
|------|--------------|---------------------------------|--------------|---------------------|--------------|---------------------|
| Ckts | Assy Proc:   | TOP ENTRY                       | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY           |
|      | Hooks Cut:   | NO                              | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  |
|      | Housing No:  | 4455-N                          | Housing No:  | 4455-N              | Housing No:  | 4455-N              |
|      | Terminal No: | 4316-4(P909)                    | Terminal No: | 4316-4(565)         | Terminal No: | 4316-4(208)         |
|      | Dim C:       | 3.35 / .132                     | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         |
|      | Plating:     | P909                            | Plating:     | 565                 | Plating:     | 208                 |
|      | Packaging:   | PK-44646-001                    | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        |
|      | Voids:       | NONE                            | Voids:       | NONE                | Voids:       | NONE                |
|      |              |                                 |              |                     |              |                     |
|      | Material No  | Engineer Number                 | Material No  | Engineer Number     | Material No  | Engineer Number     |
|      | 2            | 22-02-2025 A-4455-CZ02A(P909)   | 22-18-2023   | A-4455-CZ02A(565)   | 22-18-2021   | A-4455-CZ02A(208)   |
|      | 3            | 22-02-2035 A-4455-CZ 03A(P909)  | 22-18-2033   | A-4455-CZ 03 A(565) | 22-18-2031   | A-4455-CZ 03 A(208) |
|      | 4            | 22-02-2045 A-4455-CZ 04A(P909)  | 22-18-2043   | A-4455-CZ 04 A(565) | 22-18-2041   | A-4455-CZ 04 A(208) |
|      | 5            | 22-02-2055 A-4455-CZ 05A(P909)  | 22-18-2053   | A-4455-CZ 05 A(565) | 22-18-2051   | A-4455-CZ 05 A(208) |
|      | 6            | 22-02-2065 A-4455-CZ 06A(P909)  | 22-18-2063   | A-4455-CZ 06 A(565) | 22-18-2061   | A-4455-CZ 06 A(208) |
|      | 7            | 22-02-2075 A-4455-CZ 07A(P909)  | 22-18-2073   | A-4455-CZ 07 A(565) | 22-18-2071   | A-4455-CZ 07 A(208) |
|      | 8            | 22-02-2085 A-4455-CZ 08 A(P909) | 22-18-2083   | A-4455-CZ 08 A(565) | 22-18-2081   | A-4455-CZ 08 A(208) |
|      | 9            | 22-02-2095 A-4455-CZ 09 A(P909) | 22-18-2093   | A-4455-CZ 09 A(565) | 22-18-2091   | A-4455-CZ 09 A(208) |
|      | 10           | 22-02-2105 A-4455-CZ 10 A(P909) | 22-18-2103   | A-4455-CZ 10 A(565) | 22-18-2101   | A-4455-CZ 10 A(208) |
|      | 11           | 22-02-2115 A-4455-CZ 11 A(P909) | 22-18-2113   | A-4455-CZ 11 A(565) | 22-18-2111   | A-4455-CZ 11 A(208) |
|      | 12           | 22-02-2125 A-4455-CZ 12 A(P909) | 22-18-2123   | A-4455-CZ 12 A(565) | 22-18-2121   | A-4455-CZ 12 A(208) |
|      | 13           | 22-02-2135 A-4455-CZ 13 A(P909) | 22-18-2133   | A-4455-CZ 13 A(565) | 22-18-2131   | A-4455-CZ 13 A(208) |
|      | 14           | 22-02-2145 A-4455-CZ 14 A(P909) | 22-18-2143   | A-4455-CZ 14 A(565) | 22-18-2141   | A-4455-CZ 14 A(208) |
|      | 15           | 22-02-2155 A-4455-CZ 15 A(P909) | 22-18-2153   | A-4455-CZ 15 A(565) | 22-18-2151   | A-4455-CZ 15 A(208) |
|      | 16           | 22-02-2165 A-4455-CZ 16 A(P909) | 22-18-2163   | A-4455-CZ 16 A(565) | 22-18-2161   | A-4455-CZ 16 A(208) |
|      | 17           | 22-02-2175 A-4455-CZ 17 A(P909) | 22-18-2173   | A-4455-CZ 17 A(565) | 22-18-2171   | A-4455-CZ 17 A(208) |
|      | 18           | 22-02-2185 A-4455-CZ 18 A(P909) | 22-18-2183   | A-4455-CZ 18 A(565) | 22-18-2181   | A-4455-CZ 18 A(208) |
|      | 19           | 22-02-2195 A-4455-CZ 19 A(P909) | 22-18-2193   | A-4455-CZ 19 A(565) | 22-18-2191   | A-4455-CZ 19 A(208) |
|      | 20           | 22-02-2205 A-4455-CZ 20 A(P909) | 22-18-2203   | A-4455-CZ 20 A(565) | 22-18-2201   | A-4455-CZ 20 A(208) |
|      | 21           | 22-02-2215 A-4455-CZ 21 A(P909) | 22-18-2213   | A-4455-CZ 21 A(565) | 22-18-2211   | A-4455-CZ 21 A(208) |
|      | 22           | 22-02-2225 A-4455-CZ 22 A(P909) | 22-18-2223   | A-4455-CZ 22 A(565) | 22-18-2221   | A-4455-CZ 22 A(208) |
|      | 23           | 22-02-2235 A-4455-CZ 23 A(P909) | 22-18-2233   | A-4455-CZ 23 A(565) | 22-18-2231   | A-4455-CZ 23 A(208) |
|      | 24           | 22-02-2245 A-4455-CZ 24 A(P909) | 22-18-2243   | A-4455-CZ 24 A(565) | 22-18-2241   | A-4455-CZ 24 A(208) |
|      | 25           | 22-02-2255 A-4455-CZ 25 A(P909) | 22-18-2253   | A-4455-CZ 25 A(565) | 22-18-2251   | A-4455-CZ 25 A(208) |

|                  |                       |                                    |              |
|------------------|-----------------------|------------------------------------|--------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:                             | SHEET No.    |
| <b>D2</b>        | EC No.: UCP2006-2779  | KK 100 PCB ASSY<br>4455 SERIES DWG | - 4 -        |
|                  | DATE: 5/26/2006       |                                    |              |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:                        | APPROVED BY: |
| SDA-4455         | ADERR                 | AELHAG                             | FSMITH       |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      |              |                      |              |                     |              |                     |              |                     |
|------|--------------|----------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
|      | Assy Proc:   | RIGHT ANGLE          | Assy Proc:   | RIGHT ANGLE         | Assy Proc:   | RIGHT ANGLE         | Assy Proc:   | BOTTOM ENTRY        |
|      | Hooks Cut:   | NO                   | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  | Hooks Cut:   | NO                  |
|      | Housing No:  | 4455-N               | Housing No:  | 4455-N              | Housing No:  | 4455-N              | Housing No:  | 4455-N2             |
|      | Terminal No: | 6516-4(P909)         | Terminal No: | 6516-4(565)         | Terminal No: | 6516-4(208)         | Terminal No: | 6516-3B(122)        |
|      | 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:     | 122                 |
|      | 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    | 22-15-4025   | A-4455-AZ02B(P909)   | 22-16-2024   | A-4455-AZ02B(565)   |              | A-4455-AZ02B(208)   | 22-14-2022   | A-4455-BH02J(122)   |
| 3    | 22-15-4035   | A-4455-AZ 03 B(P909) | 22-16-2034   | A-4455-AZ 03 B(565) |              | A-4455-AZ 03 B(208) | 22-14-2032   | A-4455-BH 03 J(122) |
| 4    | 22-15-4045   | A-4455-AZ 04 B(P909) | 22-16-2044   | A-4455-AZ 04 B(565) |              | A-4455-AZ 04 B(208) | 22-14-2042   | A-4455-BH 04 J(122) |
| 5    | 22-15-4055   | A-4455-AZ 05 B(P909) | 22-16-2054   | A-4455-AZ 05 B(565) |              | A-4455-AZ 05 B(208) | 22-14-2052   | A-4455-BH 05 J(122) |
| 6    | 22-15-4065   | A-4455-AZ 06 B(P909) | 22-16-2064   | A-4455-AZ 06 B(565) |              | A-4455-AZ 06 B(208) | 22-14-2062   | A-4455-BH 06 J(122) |
| 7    | 22-15-4075   | A-4455-AZ 07 B(P909) | 22-16-2074   | A-4455-AZ 07 B(565) |              | A-4455-AZ 07 B(208) | 22-14-2072   | A-4455-BH 07 J(122) |
| 8    | 22-15-4085   | A-4455-AZ 08 B(P909) | 22-16-2084   | A-4455-AZ 08 B(565) |              | A-4455-AZ 08 B(208) | 22-14-2082   | A-4455-BH 08 J(122) |
| 9    | 22-15-4095   | A-4455-AZ 09 B(P909) | 22-16-2094   | A-4455-AZ 09 B(565) |              | A-4455-AZ 09 B(208) | 22-14-2092   | A-4455-BH 09 J(122) |
| 10   | 22-15-4105   | A-4455-AZ 10 B(P909) | 22-16-2104   | A-4455-AZ 10 B(565) |              | A-4455-AZ 10 B(208) | 22-14-2102   | A-4455-BH 10 J(122) |
| 11   | 22-15-4115   | A-4455-AZ 11 B(P909) | 22-16-2114   | A-4455-AZ 11 B(565) |              | A-4455-AZ 11 B(208) | 22-14-2112   | A-4455-BH 11 J(122) |
| 12   | 22-15-4125   | A-4455-AZ 12 B(P909) | 22-16-2124   | A-4455-AZ 12 B(565) |              | A-4455-AZ 12 B(208) | 22-14-2122   | A-4455-BH 12 J(122) |
| 13   | 22-15-4135   | A-4455-AZ 13 B(P909) | 22-16-2134   | A-4455-AZ 13 B(565) |              | A-4455-AZ 13 B(208) | 22-14-2132   | A-4455-BH 13 J(122) |
| 14   | 22-15-4145   | A-4455-AZ 14 B(P909) | 22-16-2144   | A-4455-AZ 14 B(565) |              | A-4455-AZ 14 B(208) | 22-14-2142   | A-4455-BH 14 J(122) |
| 15   | 22-15-4155   | A-4455-AZ 15 B(P909) | 22-16-2154   | A-4455-AZ 15 B(565) |              | A-4455-AZ 15 B(208) | 22-14-2152   | A-4455-BH 15 J(122) |
| 16   | 22-15-4165   | A-4455-AZ 16 B(P909) | 22-16-2164   | A-4455-AZ 16 B(565) |              | A-4455-AZ 16 B(208) | 22-14-2162   | A-4455-BH 16 J(122) |
| 17   | 22-15-4175   | A-4455-AZ 17 B(P909) | 22-16-2174   | A-4455-AZ 17 B(565) |              | A-4455-AZ 17 B(208) | 22-14-2172   | A-4455-BH 17 J(122) |
| 18   | 22-15-4185   | A-4455-AZ 18 B(P909) | 22-16-2184   | A-4455-AZ 18 B(565) |              | A-4455-AZ 18 B(208) | 22-14-2182   | A-4455-BH 18 J(122) |
| 19   | 22-15-4195   | A-4455-AZ 19 B(P909) | 22-16-2194   | A-4455-AZ 19 B(565) |              | A-4455-AZ 19 B(208) | 22-14-2192   | A-4455-BH 19 J(122) |
| 20   | 22-15-4205   | A-4455-AZ 20 B(P909) | 22-16-2204   | A-4455-AZ 20 B(565) |              | A-4455-AZ 20 B(208) | 22-14-2202   | A-4455-BH 20 J(122) |
| 21   | 22-15-4215   | A-4455-AZ 21 B(P909) | 22-16-2214   | A-4455-AZ 21 B(565) |              | A-4455-AZ 21 B(208) | 22-14-2212   | A-4455-BH 21 J(122) |
| 22   | 22-15-4225   | A-4455-AZ 22 B(P909) | 22-16-2224   | A-4455-AZ 22 B(565) |              | A-4455-AZ 22 B(208) | 22-14-2222   | A-4455-BH 22 J(122) |
| 23   | 22-15-4235   | A-4455-AZ 23 B(P909) | 22-16-2234   | A-4455-AZ 23 B(565) |              | A-4455-AZ 23 B(208) | 22-14-2232   | A-4455-BH 23 J(122) |
| 24   | 22-15-4245   | A-4455-AZ 24 B(P909) | 22-16-2244   | A-4455-AZ 24 B(565) |              | A-4455-AZ 24 B(208) | 22-14-2242   | A-4455-BH 24 J(122) |
| 25   | 22-15-4255   | A-4455-AZ 25 B(P909) | 22-16-2254   | A-4455-AZ 25 B(565) |              | A-4455-AZ 25 B(208) | 22-14-2252   | A-4455-BH 25 J(122) |

|                                         |                             |                                                         |                                  |                                   |
|-----------------------------------------|-----------------------------|---------------------------------------------------------|----------------------------------|-----------------------------------|
| REV:<br><br>D2                          | ECR/ECN INFORMATION:        | <u>TITLE:</u><br><br>KK 100 PCB ASSY<br>4455 SERIES DWG | <u>SHEET No.</u><br><br>- 5 -    |                                   |
|                                         | <u>EC No.:</u> UCP2006-2779 |                                                         |                                  |                                   |
|                                         | <u>DATE:</u> 5/26/2006      |                                                         |                                  |                                   |
| <u>DOCUMENT NUMBER:</u><br><br>SDA-4455 |                             | <u>CREATED / REVISED BY:</u><br><br>ADERR               | <u>CHECKED BY:</u><br><br>AELHAG | <u>APPROVED BY:</u><br><br>FSMITH |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      | Assy Proc: BOTTOM ENTRY |                     | Assy Proc: BOTTOM ENTRY |                     | Assy Proc: TOP ENTRY |                      | Assy Proc: TOP ENTRY |                     |
|------|-------------------------|---------------------|-------------------------|---------------------|----------------------|----------------------|----------------------|---------------------|
|      | Hooks Cut:              | NO                  | Hooks Cut:              | NO                  | Hooks Cut:           | NO                   | Hooks Cut:           | NO                  |
|      | Housing No:             | 4455-N2             | Housing No:             | 4455-N2             | Housing No:          | 4455-N               | Housing No:          | 4455-N              |
|      | Terminal No:            | 6516-3B(565)        | Terminal No:            | 6516-3B(208)        | Terminal No:         | 6516-4(P909)         | Terminal No:         | 6516-4(565)         |
|      | Dim C:                  | 3.35 / .132         | Dim C:                  | 3.35 / .132         | Dim C:               | 3.35 / .132          | Dim C:               | 3.35 / .132         |
|      | Plating:                | 565                 | Plating:                | 208                 | Plating:             | P909                 | Plating:             | 565                 |
|      | 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    | 22-17-2021              | A-4455-BH02J(565)   |                         | A-4455-BH02J(208)   |                      | A-4455-CZ02B(P909)   | 22-18-2022           | A-4455-CZ02B(565)   |
| 3    | 22-17-2031              | A-4455-BH 03 J(565) |                         | A-4455-BH 03 J(208) |                      | A-4455-CZ 03 B(P909) | 22-18-2032           | A-4455-CZ 03 B(565) |
| 4    | 22-17-2041              | A-4455-BH 04 J(565) |                         | A-4455-BH 04 J(208) |                      | A-4455-CZ 04 B(P909) | 22-18-2042           | A-4455-CZ 04 B(565) |
| 5    | 22-17-2051              | A-4455-BH 05 J(565) |                         | A-4455-BH 05 J(208) |                      | A-4455-CZ 05 B(P909) | 22-18-2052           | A-4455-CZ 05 B(565) |
| 6    | 22-17-2061              | A-4455-BH 06 J(565) |                         | A-4455-BH 06 J(208) |                      | A-4455-CZ 06 B(P909) | 22-18-2062           | A-4455-CZ 06 B(565) |
| 7    | 22-17-2071              | A-4455-BH 07 J(565) |                         | A-4455-BH 07 J(208) |                      | A-4455-CZ 07 B(P909) | 22-18-2072           | A-4455-CZ 07 B(565) |
| 8    | 22-17-2081              | A-4455-BH 08 J(565) |                         | A-4455-BH 08 J(208) |                      | A-4455-CZ 08 B(P909) | 22-18-2082           | A-4455-CZ 08 B(565) |
| 9    | 22-17-2091              | A-4455-BH 09 J(565) |                         | A-4455-BH 09 J(208) |                      | A-4455-CZ 09 B(P909) | 22-18-2092           | A-4455-CZ 09 B(565) |
| 10   | 22-17-2101              | A-4455-BH 10 J(565) |                         | A-4455-BH 10 J(208) |                      | A-4455-CZ 10 B(P909) | 22-18-2102           | A-4455-CZ 10 B(565) |
| 11   | 22-17-2111              | A-4455-BH 11 J(565) |                         | A-4455-BH 11 J(208) |                      | A-4455-CZ 11 B(P909) | 22-18-2112           | A-4455-CZ 11 B(565) |
| 12   | 22-17-2121              | A-4455-BH 12 J(565) |                         | A-4455-BH 12 J(208) |                      | A-4455-CZ 12 B(P909) | 22-18-2122           | A-4455-CZ 12 B(565) |
| 13   | 22-17-2131              | A-4455-BH 13 J(565) |                         | A-4455-BH 13 J(208) |                      | A-4455-CZ 13 B(P909) | 22-18-2132           | A-4455-CZ 13 B(565) |
| 14   | 22-17-2141              | A-4455-BH 14 J(565) |                         | A-4455-BH 14 J(208) |                      | A-4455-CZ 14 B(P909) | 22-18-2142           | A-4455-CZ 14 B(565) |
| 15   | 22-17-2151              | A-4455-BH 15 J(565) |                         | A-4455-BH 15 J(208) |                      | A-4455-CZ 15 B(P909) | 22-18-2152           | A-4455-CZ 15 B(565) |
| 16   | 22-17-2161              | A-4455-BH 16 J(565) |                         | A-4455-BH 16 J(208) |                      | A-4455-CZ 16 B(P909) | 22-18-2162           | A-4455-CZ 16 B(565) |
| 17   | 22-17-2171              | A-4455-BH 17 J(565) |                         | A-4455-BH 17 J(208) |                      | A-4455-CZ 17 B(P909) | 22-18-2172           | A-4455-CZ 17 B(565) |
| 18   | 22-17-2181              | A-4455-BH 18 J(565) |                         | A-4455-BH 18 J(208) |                      | A-4455-CZ 18 B(P909) | 22-18-2182           | A-4455-CZ 18 B(565) |
| 19   | 22-17-2191              | A-4455-BH 19 J(565) |                         | A-4455-BH 19 J(208) |                      | A-4455-CZ 19 B(P909) | 22-18-2192           | A-4455-CZ 19 B(565) |
| 20   | 22-17-2201              | A-4455-BH 20 J(565) |                         | A-4455-BH 20 J(208) |                      | A-4455-CZ 20 B(P909) | 22-18-2202           | A-4455-CZ 20 B(565) |
| 21   | 22-17-2211              | A-4455-BH 21 J(565) |                         | A-4455-BH 21 J(208) |                      | A-4455-CZ 21 B(P909) | 22-18-2212           | A-4455-CZ 21 B(565) |
| 22   | 22-17-2221              | A-4455-BH 22 J(565) |                         | A-4455-BH 22 J(208) |                      | A-4455-CZ 22 B(P909) | 22-18-2222           | A-4455-CZ 22 B(565) |
| 23   | 22-17-2231              | A-4455-BH 23 J(565) |                         | A-4455-BH 23 J(208) |                      | A-4455-CZ 23 B(P909) | 22-18-2232           | A-4455-CZ 23 B(565) |
| 24   | 22-17-2241              | A-4455-BH 24 J(565) |                         | A-4455-BH 24 J(208) |                      | A-4455-CZ 24 B(P909) | 22-18-2242           | A-4455-CZ 24 B(565) |
| 25   | 22-17-2251              | A-4455-BH 25 J(565) |                         | A-4455-BH 25 J(208) |                      | A-4455-CZ 25 B(P909) | 22-18-2252           | A-4455-CZ 25 B(565) |

|                                         |                             |                                           |                                                         |                                   |
|-----------------------------------------|-----------------------------|-------------------------------------------|---------------------------------------------------------|-----------------------------------|
| REV:<br><br><b>D2</b>                   | <b>ECR/ECN INFORMATION:</b> |                                           | <u>TITLE:</u><br><br>KK 100 PCB ASSY<br>4455 SERIES DWG | <u>SHEET No.</u><br><br>- 6 -     |
|                                         | <u>EC No.:</u>              | UCP2006-2779                              |                                                         |                                   |
|                                         | <u>DATE:</u>                | 5/26/2006                                 |                                                         |                                   |
| <u>DOCUMENT NUMBER:</u><br><br>SDA-4455 |                             | <u>CREATED / REVISED BY:</u><br><br>ADERR | <u>CHECKED BY:</u><br><br>AELHAG                        | <u>APPROVED BY:</u><br><br>FSMITH |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

| Ckts | Assy Proc: TOP ENTRY |                     | 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:          | 4455-4              | Housing No:            | 4455-AN              | Housing No:            | 4455-AN             | Housing No:            | 4455-BN             |
|      | Terminal No:         | 6516-4(208)         | Terminal No:           | 4316-4(P909)         | Terminal No:           | 4316-4(208)         | Terminal No:           | 4316-4(228)         |
|      | 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:               | 208                 | 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                |
|      | Material No          | Engineer Number     | Material No            | Engineer Number      | Material No            | Engineer Number     | Material No            | Engineer Number     |
| 2    |                      | A-4455-CZ02B(208)   |                        |                      |                        |                     |                        | A-4455-AB02A(228)   |
| 3    |                      | A-4455-CZ 03B(208)  |                        |                      |                        |                     |                        | A-4455-AB 03 A(228) |
| 4    |                      | A-4455-CZ 04 B(208) |                        |                      |                        |                     |                        | A-4455-AB 04 A(228) |
| 5    |                      | A-4455-CZ 05 B(208) |                        |                      |                        |                     |                        | A-4455-AB 05 A(228) |
| 6    |                      | A-4455-CZ 06 B(208) |                        |                      |                        |                     | 50-34-8518             | A-4455-AB 06 A(228) |
| 7    |                      | A-4455-CZ 07 B(208) | 22-15-2075             | A-4455-AA07A(P909)   | 22-16-2076             | A-4455-AA07A(208)   |                        | A-4455-AB 07 A(228) |
| 8    |                      | A-4455-CZ 08 B(208) | 22-15-2085             | A-4455-AA 08 A(P909) | 22-16-2086             | A-4455-AA 08 A(208) |                        | A-4455-AB 08 A(228) |
| 9    |                      | A-4455-CZ 09 B(208) | 22-15-2095             | A-4455-AA 09 A(P909) | 22-16-2096             | A-4455-AA 09 A(208) |                        | A-4455-AB 09 A(228) |
| 10   |                      | A-4455-CZ 10 B(208) | 22-15-2105             | A-4455-AA 10 A(P909) | 22-16-2106             | A-4455-AA 10 A(208) |                        | A-4455-AB 10 A(228) |
| 11   |                      | A-4455-CZ 11 B(208) | 22-15-2115             | A-4455-AA 11 A(P909) | 22-16-2116             | A-4455-AA 11 A(208) |                        | A-4455-AB 11 A(228) |
| 12   |                      | A-4455-CZ 12 B(208) | 22-15-2125             | A-4455-AA 12 A(P909) | 22-16-2126             | A-4455-AA 12 A(208) |                        | A-4455-AB 12 A(228) |
| 13   |                      | A-4455-CZ 13 B(208) | 22-15-2135             | A-4455-AA 13 A(P909) | 22-16-2136             | A-4455-AA 13 A(208) |                        | A-4455-AB 13 A(228) |
| 14   |                      | A-4455-CZ 14 B(208) | 22-15-2145             | A-4455-AA 14 A(P909) | 22-16-2146             | A-4455-AA 14 A(208) |                        | A-4455-AB 14 A(228) |
| 15   |                      | A-4455-CZ 15 B(208) | 22-15-2155             | A-4455-AA 15 A(P909) | 22-16-2156             | A-4455-AA 15 A(208) |                        | A-4455-AB 15 A(228) |
| 16   |                      | A-4455-CZ 16 B(208) | 22-15-2165             | A-4455-AA 16 A(P909) | 22-16-2166             | A-4455-AA 16 A(208) |                        | A-4455-AB 16 A(228) |
| 17   |                      | A-4455-CZ 17 B(208) | 22-15-2175             | A-4455-AA 17 A(P909) | 22-16-2176             | A-4455-AA 17 A(208) |                        | A-4455-AB 17 A(228) |
| 18   |                      | A-4455-CZ 18 B(208) | 22-15-2185             | A-4455-AA 18 A(P909) | 22-16-2186             | A-4455-AA 18 A(208) |                        | A-4455-AB 18 A(228) |
| 19   |                      | A-4455-CZ 19 B(208) | 22-15-2195             | A-4455-AA 19 A(P909) | 22-16-2196             | A-4455-AA 19 A(208) |                        | A-4455-AB 19 A(228) |
| 20   |                      | A-4455-CZ 20 B(208) | 22-15-2205             | A-4455-AA 20 A(P909) | 22-16-2206             | A-4455-AA 20 A(208) |                        | A-4455-AB 20 A(228) |
| 21   |                      | A-4455-CZ 21 B(208) | 22-15-2215             | A-4455-AA 21 A(P909) | 22-16-2216             | A-4455-AA 21 A(208) |                        | A-4455-AB 21 A(228) |
| 22   |                      | A-4455-CZ 22 B(208) | 22-15-2225             | A-4455-AA 22 A(P909) | 22-16-2226             | A-4455-AA 22 A(208) |                        | A-4455-AB 22 A(228) |
| 23   |                      | A-4455-CZ 23 B(208) | 22-15-2235             | A-4455-AA 23 A(P909) | 22-16-2236             | A-4455-AA 23 A(208) |                        | A-4455-AB 23 A(228) |
| 24   |                      | A-4455-CZ 24 B(208) | 22-15-2245             | A-4455-AA 24 A(P909) | 22-16-2246             | A-4455-AA 24 A(208) | 22-17-3240             | A-4455-AB 24 A(228) |
| 25   |                      | A-4455-CZ 25 B(208) | 22-15-2255             | A-4455-AA 25 A(P909) | 22-16-2256             | A-4455-AA 25 A(208) |                        | A-4455-AB 25 A(228) |

|                                     |                                         |                                                      |                              |
|-------------------------------------|-----------------------------------------|------------------------------------------------------|------------------------------|
| REV:<br><b>D2</b>                   | ECR/ECN INFORMATION:                    | TITLE:<br><b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | SHEET No.<br><b>- 7 -</b>    |
|                                     | EC No.: UCP2006-2779<br>DATE: 5/26/2006 |                                                      |                              |
| DOCUMENT NUMBER:<br><b>SDA-4455</b> |                                         | CREATED / REVISED BY:<br><b>ADERR</b>                | CHECKED BY:<br><b>AELHAG</b> |
|                                     |                                         | APPROVED BY:<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-BN              | Housing No:  | 4455-NHH             | Housing No:  | 4455-NR              | Housing No:  | 4455-N              |
|      | Terminal No: | 4316-4(P909)         | Terminal No: | 4316-4(P909)         | Terminal No: | 4316-4(P909)         | Terminal No: | 4316-4(122)         |
|      | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132         |
|      | Plating:     | P909                 | Plating:     | P909                 | Plating:     | P909                 | Plating:     | 122                 |
|      | 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    | 22-15-4024   | A-4455-AB02A(P909)   | 22-15-2022   | A-4455-AE02A(P909)   | 22-15-4022   | A-4455-AR02A(P909)   | 22-26-2021   | A-4455-AZ02A(122)   |
| 3    | 22-15-4034   | A-4455-AB 03 A(P909) | 22-15-2032   | A-4455-AE 03 A(P909) | 22-15-4032   | A-4455-AR 03 A(P909) | 22-26-2031   | A-4455-AZ 03 A(122) |
| 4    | 22-15-4044   | A-4455-AB 04 A(P909) | 22-15-2042   | A-4455-AE 04 A(P909) | 22-15-4042   | A-4455-AR 04 A(P909) | 22-26-2041   | A-4455-AZ 04 A(122) |
| 5    | 22-15-4054   | A-4455-AB 05 A(P909) | 22-15-2052   | A-4455-AE 05 A(P909) | 22-15-4052   | A-4455-AR 05 A(P909) | 22-26-2051   | A-4455-AZ 05 A(122) |
| 6    | 22-15-4064   | A-4455-AB 06 A(P909) | 22-15-2062   | A-4455-AE 06 A(P909) | 22-15-4062   | A-4455-AR 06 A(P909) | 22-26-2061   | A-4455-AZ 06 A(122) |
| 7    | 22-15-4074   | A-4455-AB 07 A(P909) | 22-15-2072   | A-4455-AE 07 A(P909) | 22-15-4072   | A-4455-AR 07 A(P909) | 22-26-2071   | A-4455-AZ 07 A(122) |
| 8    | 22-15-4084   | A-4455-AB 08 A(P909) | 22-15-2082   | A-4455-AE 08 A(P909) | 22-15-4082   | A-4455-AR 08 A(P909) | 22-26-2081   | A-4455-AZ 08 A(122) |
| 9    | 22-15-4094   | A-4455-AB 09 A(P909) | 22-15-2092   | A-4455-AE 09 A(P909) | 22-15-4092   | A-4455-AR 09 A(P909) | 22-26-2091   | A-4455-AZ 09 A(122) |
| 10   | 22-15-4104   | A-4455-AB 10 A(P909) | 22-15-2102   | A-4455-AE 10 A(P909) | 22-15-4102   | A-4455-AR 10 A(P909) | 22-26-2101   | A-4455-AZ 10 A(122) |
| 11   | 22-15-4114   | A-4455-AB 11 A(P909) | 22-15-2112   | A-4455-AE 11 A(P909) | 22-15-4112   | A-4455-AR 11 A(P909) | 22-26-2111   | A-4455-AZ 11 A(122) |
| 12   | 22-15-4124   | A-4455-AB 12 A(P909) | 22-15-2122   | A-4455-AE 12 A(P909) | 22-15-4122   | A-4455-AR 12 A(P909) | 22-26-2121   | A-4455-AZ 12 A(122) |
| 13   | 22-15-4134   | A-4455-AB 13 A(P909) | 22-15-2132   | A-4455-AE 13 A(P909) | 22-15-4132   | A-4455-AR 13 A(P909) | 22-26-2131   | A-4455-AZ 13 A(122) |
| 14   | 22-15-4144   | A-4455-AB 14 A(P909) | 22-15-2142   | A-4455-AE 14 A(P909) | 22-15-4142   | A-4455-AR 14 A(P909) | 22-26-2141   | A-4455-AZ 14 A(122) |
| 15   | 22-15-4154   | A-4455-AB 15 A(P909) | 22-15-2152   | A-4455-AE 15 A(P909) | 22-15-4152   | A-4455-AR 15 A(P909) | 22-26-2151   | A-4455-AZ 15 A(122) |
| 16   | 22-15-4164   | A-4455-AB 16 A(P909) | 22-15-2162   | A-4455-AE 16 A(P909) | 22-15-4162   | A-4455-AR 16 A(P909) | 22-26-2161   | A-4455-AZ 16 A(122) |
| 17   | 22-15-4174   | A-4455-AB 17 A(P909) | 22-15-2172   | A-4455-AE 17 A(P909) | 22-15-4172   | A-4455-AR 17 A(P909) | 22-26-2171   | A-4455-AZ 17 A(122) |
| 18   | 22-15-4184   | A-4455-AB 18 A(P909) | 22-15-2182   | A-4455-AE 18 A(P909) | 22-15-4182   | A-4455-AR 18 A(P909) | 22-26-2181   | A-4455-AZ 18 A(122) |
| 19   | 22-15-4194   | A-4455-AB 19 A(P909) | 22-15-2192   | A-4455-AE 19 A(P909) | 22-15-4192   | A-4455-AR 19 A(P909) | 22-26-2191   | A-4455-AZ 19 A(122) |
| 20   | 22-15-4204   | A-4455-AB 20 A(P909) | 22-15-2202   | A-4455-AE 20 A(P909) | 22-15-4202   | A-4455-AR 20 A(P909) | 22-26-2201   | A-4455-AZ 20 A(122) |
| 21   | 22-15-4214   | A-4455-AB 21 A(P909) | 22-15-2212   | A-4455-AE 21 A(P909) | 22-15-4212   | A-4455-AR 21 A(P909) | 22-26-2211   | A-4455-AZ 21 A(122) |
| 22   | 22-15-4224   | A-4455-AB 22 A(P909) | 22-15-2222   | A-4455-AE 22 A(P909) | 22-15-4222   | A-4455-AR 22 A(P909) | 22-26-2221   | A-4455-AZ 22 A(122) |
| 23   | 22-15-4234   | A-4455-AB 23 A(P909) | 22-15-2232   | A-4455-AE 23 A(P909) | 22-15-4232   | A-4455-AR 23 A(P909) | 22-26-2231   | A-4455-AZ 23 A(122) |
| 24   | 22-15-4244   | A-4455-AB 24 A(P909) | 22-15-2242   | A-4455-AE 24 A(P909) | 22-15-4242   | A-4455-AR 24 A(P909) | 22-26-2241   | A-4455-AZ 24 A(122) |
| 25   | 22-15-4254   | A-4455-AB 25 A(P909) | 22-15-2252   | A-4455-AE 25 A(P909) | 22-15-4252   | A-4455-AR 25 A(P909) | 22-26-2251   | A-4455-AZ 25 A(122) |

|                  |                       |                                            |               |
|------------------|-----------------------|--------------------------------------------|---------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:                                     | SHEET No.     |
| <b>D2</b>        | EC No.: UCP2006-2779  | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>- 8 -</b>  |
|                  | DATE: 5/26/2006       |                                            |               |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:                                | APPROVED BY:  |
| <b>SDA-4455</b>  | <b>ADERR</b>          | <b>AELHAG</b>                              | <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-N              | Housing No:  | 4455-N              | Housing No:  | 4455-N              | Housing No:  | 4455-N             |
|      | Terminal No: | 4316-4(228)         | Terminal No: | 6516-4(228)         | Terminal No: | 6516-4(228)         | Terminal No: | 6516-4A(122)       |
|      | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132        |
|      | Plating:     | 228                 | Plating:     | 228                 | Plating:     | 228                 | Plating:     | 122                |
|      | 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    |              | A-4455-AZ02A(228)   | 22-17-5023   | A-4455-AZ02B(228)   | 22-16-2022   | A-4455-AZ02B(228)   | 22-65-3021   | A-4455-AZ02M(122)  |
| 3    |              | A-4455-AZ 03 A(228) | 22-17-5033   | A-4455-AZ 03 B(228) | 22-16-2032   | A-4455-AZ 03 B(228) | 22-65-3031   | A-4455-AZ03M(122)  |
| 4    |              | A-4455-AZ 04 A(228) | 22-17-5043   | A-4455-AZ 04 B(228) | 22-16-2042   | A-4455-AZ 04 B(228) | 22-65-3041   | A-4455-AZ04 M(122) |
| 5    |              | A-4455-AZ 05 A(228) | 22-17-5053   | A-4455-AZ 05 B(228) | 22-16-2052   | A-4455-AZ 05 B(228) | 22-65-3051   | A-4455-AZ05 M(122) |
| 6    |              | A-4455-AZ 06 A(228) | 22-17-5063   | A-4455-AZ 06 B(228) | 22-16-2062   | A-4455-AZ 06 B(228) | 22-65-3061   | A-4455-AZ06 M(122) |
| 7    |              | A-4455-AZ 07 A(228) | 22-17-5073   | A-4455-AZ 07 B(228) | 22-16-2072   | A-4455-AZ 07 B(228) | 22-65-3071   | A-4455-AZ07 M(122) |
| 8    |              | A-4455-AZ 08 A(228) | 22-17-5083   | A-4455-AZ 08 B(228) | 22-16-2082   | A-4455-AZ 08 B(228) | 22-65-3081   | A-4455-AZ08 M(122) |
| 9    |              | A-4455-AZ 09 A(228) | 22-17-5093   | A-4455-AZ 09 B(228) | 22-16-2092   | A-4455-AZ 09 B(228) | 22-65-3091   | A-4455-AZ09 M(122) |
| 10   |              | A-4455-AZ 10 A(228) | 22-17-5103   | A-4455-AZ 10 B(228) | 22-16-2102   | A-4455-AZ 10 B(228) | 22-65-3101   | A-4455-AZ10 M(122) |
| 11   |              | A-4455-AZ 11 A(228) | 22-17-5113   | A-4455-AZ 11 B(228) | 22-16-2112   | A-4455-AZ 11 B(228) | 22-65-3111   | A-4455-AZ11 M(122) |
| 12   |              | A-4455-AZ 12 A(228) | 22-17-5123   | A-4455-AZ 12 B(228) | 22-16-2122   | A-4455-AZ 12 B(228) | 22-65-3121   | A-4455-AZ12 M(122) |
| 13   |              | A-4455-AZ 13 A(228) | 22-17-5133   | A-4455-AZ 13 B(228) | 22-16-2132   | A-4455-AZ 13 B(228) | 22-65-3131   | A-4455-AZ13 M(122) |
| 14   |              | A-4455-AZ 14 A(228) | 22-17-5143   | A-4455-AZ 14 B(228) | 22-16-2142   | A-4455-AZ 14 B(228) | 22-65-3141   | A-4455-AZ14 M(122) |
| 15   |              | A-4455-AZ 15 A(228) | 22-17-5153   | A-4455-AZ 15 B(228) | 22-16-2152   | A-4455-AZ 15 B(228) | 22-65-3151   | A-4455-AZ15 M(122) |
| 16   |              | A-4455-AZ 16 A(228) | 22-17-5163   | A-4455-AZ 16 B(228) | 22-16-2162   | A-4455-AZ 16 B(228) | 22-65-3161   | A-4455-AZ16 M(122) |
| 17   |              | A-4455-AZ 17 A(228) | 22-17-5173   | A-4455-AZ 17 B(228) | 22-16-2172   | A-4455-AZ 17 B(228) | 22-65-3171   | A-4455-AZ17 M(122) |
| 18   |              | A-4455-AZ 18 A(228) | 22-17-5183   | A-4455-AZ 18 B(228) | 22-16-2182   | A-4455-AZ 18 B(228) | 22-65-3181   | A-4455-AZ18 M(122) |
| 19   |              | A-4455-AZ 19 A(228) | 22-17-5193   | A-4455-AZ 19 B(228) | 22-16-2192   | A-4455-AZ 19 B(228) | 22-65-3191   | A-4455-AZ19 M(122) |
| 20   | 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) | 22-65-3201   | A-4455-AZ20 M(122) |
| 21   |              | A-4455-AZ 21 A(228) | 22-17-5213   | A-4455-AZ 21 B(228) | 22-16-2212   | A-4455-AZ 21 B(228) | 22-65-3211   | A-4455-AZ21 M(122) |
| 22   |              | A-4455-AZ 22 A(228) | 22-17-5223   | A-4455-AZ 22 B(228) | 22-16-2222   | A-4455-AZ 22 B(228) | 22-65-3221   | A-4455-AZ22 M(122) |
| 23   |              | A-4455-AZ 23 A(228) | 22-17-5233   | A-4455-AZ 23 B(228) | 22-16-2232   | A-4455-AZ 23 B(228) | 22-65-3231   | A-4455-AZ23 M(122) |
| 24   | 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) | 22-65-3241   | A-4455-AZ24 M(122) |
| 25   |              | A-4455-AZ 25 A(228) | 22-17-5253   | A-4455-AZ 25 B(228) | 22-16-2252   | A-4455-AZ 25 B(228) | 22-65-3251   | A-4455-AZ25 M(122) |

|                                         |                             |                                           |                                                         |                                   |
|-----------------------------------------|-----------------------------|-------------------------------------------|---------------------------------------------------------|-----------------------------------|
| REV:<br><br><b>D2</b>                   | <b>ECR/ECN INFORMATION:</b> |                                           | <u>TITLE:</u><br><br>KK 100 PCB ASSY<br>4455 SERIES DWG | <u>SHEET No.</u><br><br>- 9 -     |
|                                         | <u>EC No.:</u>              | UCP2006-2779                              |                                                         |                                   |
|                                         | <u>DATE:</u>                | 5/26/2006                                 |                                                         |                                   |
| <u>DOCUMENT NUMBER:</u><br><br>SDA-4455 |                             | <u>CREATED / REVISED BY:</u><br><br>ADERR | <u>CHECKED BY:</u><br><br>AELHAG                        | <u>APPROVED BY:</u><br><br>FSMITH |





# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      |              |                              |              |                     |              |                   |              |                   |
|------|--------------|------------------------------|--------------|---------------------|--------------|-------------------|--------------|-------------------|
| Ckts | 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                |
|      |              |                              |              |                     |              |                   |              |                   |
|      | 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) |

|                  |                       |                                    |               |
|------------------|-----------------------|------------------------------------|---------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:                             | SHEET No.     |
| <b>D2</b>        | EC No.: UCP2006-2779  | KK 100 PCB ASSY<br>4455 SERIES DWG | <b>- 10 -</b> |
|                  | DATE: 5/26/2006       |                                    |               |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:                        | APPROVED BY:  |
| <b>SDA-4455</b>  | <b>ADERR</b>          | <b>AELHAG</b>                      | <b>FSMITH</b> |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      |              |                                |              |                     |              |                     |              |                     |
|------|--------------|--------------------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|
| Ckts | Assy Proc:   | BOTTOM ENTRY                   | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY           | Assy Proc:   | TOP ENTRY           |
|      | Hooks Cut:   | NO                             | Hooks Cut:   | YES                 | Hooks Cut:   | YES                 | Hooks Cut:   | YES                 |
|      | Housing No:  | 4455-N2                        | Housing No:  | 4455-NR             | Housing No:  | 4455-N              | Housing No:  | 4455-N              |
|      | Terminal No: | 6516-3C(122)                   | Terminal No: | 4316-4(208)         | Terminal No: | 4316-4(565)         | 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:     | 122                            | Plating:     | 208                 | Plating:     | 565                 | Plating:     | P909                |
|      | Packaging:   | PK-44646-001                   | Packaging:   | PK-44646-003        | Packaging:   | PK-44646-003        | Packaging:   | PK-44646-003        |
|      | Voids:       | NO                             | Voids:       | NO                  | Voids:       | NO                  | Voids:       | NO                  |
|      |              |                                |              |                     |              |                     |              |                     |
|      | Material No  | Engineer Number                | Material No  | Engineer Number     | Material No  | Engineer Number     | Material No  | Engineer Number     |
|      | 2            | A-4455-BH02L(122)              |              | A-4455-CP02A(208)   | 22-18-2026   | A-4455-CY02A(565)   | 22-02-7023   | A-4455-CY02A(P909)  |
|      | 3            | 22-15-4036 A-4455-BH 03 L(122) |              | A-4455-CP 03 A(208) | 22-18-2036   | A-4455-CY 03 A(565) | 22-02-7033   | A-4455-CY 03A(P909) |
|      | 4            | 22-15-4046 A-4455-BH 04 L(122) |              | A-4455-CP 04 A(208) | 22-18-2046   | A-4455-CY 04 A(565) | 22-02-7043   | A-4455-CY 04A(P909) |
|      | 5            | A-4455-BH 05 L(122)            | 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) |
|      | 6            | 22-15-4066 A-4455-BH 06 L(122) |              | A-4455-CP 06 A(208) | 22-18-2066   | A-4455-CY 06 A(565) | 22-02-7063   | A-4455-CY 06A(P909) |
|      | 7            | 22-15-4076 A-4455-BH 07 L(122) |              | A-4455-CP 07 A(208) | 22-18-2076   | A-4455-CY 07 A(565) | 22-02-7073   | A-4455-CY 07A(P909) |
|      | 8            | 22-15-4086 A-4455-BH 08 L(122) |              | A-4455-CP 08 A(208) | 22-18-2086   | A-4455-CY 08 A(565) | 22-02-7083   | A-4455-CY 08A(P909) |
|      | 9            | A-4455-BH 09 L(122)            |              | A-4455-CP 09 A(208) | 22-18-2096   | A-4455-CY 09 A(565) | 22-02-7093   | A-4455-CY 09A(P909) |
|      | 10           | A-4455-BH 10 L(122)            |              | A-4455-CP 10 A(208) | 22-18-2106   | A-4455-CY 10 A(565) | 22-02-7103   | A-4455-CY 10A(P909) |
|      | 11           | 22-15-4116 A-4455-BH 11 L(122) |              | A-4455-CP 11 A(208) | 22-18-2116   | A-4455-CY 11 A(565) | 22-02-7113   | A-4455-CY 11A(P909) |
|      | 12           | 22-15-4126 A-4455-BH 12 L(122) |              | A-4455-CP 12 A(208) | 22-18-2126   | A-4455-CY 12 A(565) | 22-02-7123   | A-4455-CY 12A(P909) |
|      | 13           | A-4455-BH 13 L(122)            |              | A-4455-CP 13 A(208) | 22-18-2136   | A-4455-CY 13 A(565) | 22-02-7133   | A-4455-CY 13A(P909) |
|      | 14           | 22-15-4146 A-4455-BH 14 L(122) |              | A-4455-CP 14 A(208) | 22-18-2146   | A-4455-CY 14 A(565) | 22-02-7143   | A-4455-CY 14A(P909) |
|      | 15           | 22-15-4156 A-4455-BH 15 L(122) |              | A-4455-CP 15 A(208) | 22-18-2156   | A-4455-CY 15 A(565) | 22-02-7153   | A-4455-CY 15A(P909) |
|      | 16           | A-4455-BH 16 L(122)            |              | A-4455-CP 16 A(208) | 22-18-2166   | A-4455-CY 16 A(565) | 22-02-7163   | A-4455-CY 16A(P909) |
|      | 17           | 22-15-4176 A-4455-BH 17 L(122) |              | A-4455-CP 17 A(208) | 22-18-2176   | A-4455-CY 17 A(565) | 22-02-7173   | A-4455-CY 17A(P909) |
|      | 18           | A-4455-BH 18 L(122)            |              | A-4455-CP 18 A(208) | 22-18-2186   | A-4455-CY 18 A(565) | 22-02-7183   | A-4455-CY 18A(P909) |
|      | 19           | A-4455-BH 19 L(122)            |              | A-4455-CP 19 A(208) | 22-18-2196   | A-4455-CY 19 A(565) | 22-02-7193   | A-4455-CY 19A(P909) |
|      | 20           | A-4455-BH 20 L(122)            |              | A-4455-CP 20 A(208) | 22-18-2206   | A-4455-CY 20 A(565) | 22-02-7203   | A-4455-CY 20A(P909) |
|      | 21           | A-4455-BH 21 L(122)            |              | A-4455-CP 21 A(208) | 22-18-2216   | A-4455-CY 21 A(565) | 22-02-7213   | A-4455-CY 21A(P909) |
|      | 22           | A-4455-BH 22 L(122)            |              | A-4455-CP 22 A(208) | 22-18-2226   | A-4455-CY 22 A(565) | 22-02-7223   | A-4455-CY 22A(P909) |
|      | 23           | A-4455-BH 23 L(122)            |              | A-4455-CP 23 A(208) | 22-18-2236   | A-4455-CY 23 A(565) | 22-02-7233   | A-4455-CY 23A(P909) |
|      | 24           | A-4455-BH 24 L(122)            |              | A-4455-CP 24 A(208) | 22-18-2246   | A-4455-CY 24 A(565) | 22-02-7243   | A-4455-CY 24A(P909) |
|      | 25           | A-4455-BH 25 L(122)            |              | A-4455-CP 25 A(208) | 22-18-2256   | A-4455-CY 25 A(565) | 22-02-7253   | A-4455-CY 25A(P909) |

|                  |                       |                                            |               |
|------------------|-----------------------|--------------------------------------------|---------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:                                     | SHEET No.     |
| <b>D2</b>        | EC No.: UCP2006-2779  | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>- 11 -</b> |
|                  | DATE: 5/26/2006       |                                            |               |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:                                | APPROVED BY:  |
| <b>SDA-4455</b>  | <b>ADERR</b>          | <b>AELHAG</b>                              | <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:   | NO                  | Hooks Cut:   | YES                 |
|      | Housing No:  | 4455-BN             | Housing No:  | 4455-NR             | Housing No:  | 4455-N              | Housing No:  | 4455-N              |
|      | Terminal No: | 4316-4(P909)        | Terminal No: | 4316-4(P909)        | Terminal No: | 6516-4(228)         | Terminal No: | 4316-4(208)         |
|      | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132         |
|      | Plating:     | P909                | Plating:     | P909                | Plating:     | 228                 | Plating:     | 208                 |
|      | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        | Packaging:   | PK-44646-001        | 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    | 22-15-4028   | A-4455-CB02A(P909)  | 22-65-3020   | A-4455-CR02A(P909)  | 22-18-2024   | A-4455-CZ02B(228)   | 22-18-7023   | A-4455-CY02A(208)   |
| 3    | 22-15-4038   | A-4455-CB 03A(P909) | 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) |
| 4    | 22-15-4048   | A-4455-CB 04A(P909) | 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) |
| 5    | 22-15-4058   | A-4455-CB 05A(P909) | 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) |
| 6    | 22-15-4068   | A-4455-CB 06A(P909) | 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) |
| 7    | 22-15-4078   | A-4455-CB 07A(P909) | 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) |
| 8    | 22-15-4088   | A-4455-CB 08A(P909) | 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) |
| 9    | 22-15-4098   | A-4455-CB 09A(P909) | 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) |
| 10   | 22-15-4108   | A-4455-CB 10A(P909) | 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) |
| 11   | 22-15-4118   | A-4455-CB 11A(P909) | 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) |
| 12   | 22-15-4128   | A-4455-CB 12A(P909) | 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) |
| 13   | 22-15-4138   | A-4455-CB 13A(P909) | 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) |
| 14   | 22-15-4148   | A-4455-CB 14A(P909) | 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) |
| 15   | 22-15-4158   | A-4455-CB 15A(P909) | 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) |
| 16   | 22-15-4168   | A-4455-CB 16A(P909) | 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) |
| 17   | 22-15-4178   | A-4455-CB 17A(P909) | 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) |
| 18   | 22-15-4188   | A-4455-CB 18A(P909) | 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) |
| 19   | 22-15-4198   | A-4455-CB 19A(P909) | 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) |
| 20   | 22-15-4208   | A-4455-CB 20A(P909) | 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) |
| 21   | 22-15-4218   | A-4455-CB 21A(P909) | 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   | 22-15-4228   | A-4455-CB 22A(P909) | 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) |
| 23   | 22-15-4238   | A-4455-CB 23A(P909) | 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) |
| 24   | 22-15-4248   | A-4455-CB 24A(P909) | 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) |
| 25   | 22-15-4258   | A-4455-CB 25A(P909) | 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) |

|                  |                       |                                            |               |
|------------------|-----------------------|--------------------------------------------|---------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:                                     | SHEET No.     |
| <b>D2</b>        | EC No.: UCP2006-2779  | <b>KK 100 PCB ASSY<br/>4455 SERIES DWG</b> | <b>- 12 -</b> |
|                  | DATE: 5/26/2006       |                                            |               |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:                                | APPROVED BY:  |
| <b>SDA-4455</b>  | <b>ADERR</b>          | <b>AELHAG</b>                              | <b>FSMITH</b> |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|      |              |                     |              |                 |              |                 |              |                      |
|------|--------------|---------------------|--------------|-----------------|--------------|-----------------|--------------|----------------------|
|      | Assy Proc:   | TOP ENTRY           | Assy Proc:   |                 | Assy Proc:   |                 | Assy Proc:   | RIGHT ANGLE          |
|      | Hooks Cut:   | YES                 | Hooks Cut:   |                 | Hooks Cut:   |                 | Hooks Cut:   | NO                   |
|      | Housing No:  | 4455-N              | Housing No:  |                 | Housing No:  |                 | Housing No:  | 4455-AN              |
|      | Terminal No: | 6516-4(228)         | Terminal No: |                 | Terminal No: |                 | Terminal No: | 6516-4(P909)         |
|      | Dim C:       | 3.35 / .132         | Dim C:       |                 | Dim C:       |                 | Dim C:       | 3.35 / .132          |
|      | Plating:     | 228                 | Plating:     |                 | Plating:     |                 | Plating:     | P909                 |
|      | Packaging:   | PK-44646-003        | Packaging:   |                 | Packaging:   |                 | Packaging:   | PK-44646-001         |
|      | Voids:       | NO                  | Voids:       |                 | Voids:       |                 | Voids:       | NO                   |
|      |              |                     |              |                 |              |                 |              |                      |
| Ckts | Material No  | Engineer Number     | Material No  | Engineer Number | Material No  | Engineer Number | Material No  | Engineer Number      |
| 2    | 22-18-7021   | A-4455-CY02B(228)   |              |                 |              |                 |              |                      |
| 3    | 22-18-7031   | A-4455-CY 03 B(228) |              |                 |              |                 |              |                      |
| 4    | 22-18-7041   | A-4455-CY 04 B(228) |              |                 |              |                 |              |                      |
| 5    | 22-18-7051   | A-4455-CY 05 B(228) |              |                 |              |                 |              |                      |
| 6    | 22-18-7061   | A-4455-CY 06 B(228) |              |                 |              |                 |              |                      |
| 7    | 22-18-7071   | A-4455-CY 07 B(228) |              |                 |              |                 | 22-14-2079   | A-4455-AA07B(P909)   |
| 8    | 22-18-7081   | A-4455-CY 08 B(228) |              |                 |              |                 | 22-14-2089   | A-4455-AA 08 B(P909) |
| 9    | 22-18-7091   | A-4455-CY 09 B(228) |              |                 |              |                 | 22-14-2099   | A-4455-AA 09 B(P909) |
| 10   | 22-18-7101   | A-4455-CY 10 B(228) |              |                 |              |                 | 22-14-2109   | A-4455-AA 10 B(P909) |
| 11   | 22-18-7111   | A-4455-CY 11 B(228) |              |                 |              |                 | 22-14-2119   | A-4455-AA 11 B(P909) |
| 12   | 22-18-7121   | A-4455-CY 12 B(228) |              |                 |              |                 | 22-14-2129   | A-4455-AA 12 B(P909) |
| 13   | 22-18-7131   | A-4455-CY 13 B(228) |              |                 |              |                 | 22-14-2139   | A-4455-AA 13 B(P909) |
| 14   | 22-18-7141   | A-4455-CY 14 B(228) |              |                 |              |                 | 22-14-2149   | A-4455-AA 14 B(P909) |
| 15   | 22-18-7151   | A-4455-CY 15 B(228) |              |                 |              |                 | 22-14-2159   | A-4455-AA 15 B(P909) |
| 16   | 22-18-7161   | A-4455-CY 16 B(228) |              |                 |              |                 | 22-14-2169   | A-4455-AA 16 B(P909) |
| 17   | 22-18-7171   | A-4455-CY 17 B(228) |              |                 |              |                 | 22-14-2179   | A-4455-AA 17 B(P909) |
| 18   | 22-18-7181   | A-4455-CY 18 B(228) |              |                 |              |                 | 22-14-2189   | A-4455-AA 18 B(P909) |
| 19   | 22-18-7191   | A-4455-CY 19 B(228) |              |                 |              |                 | 22-14-2199   | A-4455-AA 19 B(P909) |
| 20   | 22-18-7201   | A-4455-CY 20 B(228) |              |                 |              |                 | 22-14-2209   | A-4455-AA 20 B(P909) |
| 21   | 22-18-7211   | A-4455-CY 21 B(228) |              |                 |              |                 | 22-14-2219   | A-4455-AA 21 B(P909) |
| 22   | 22-18-7221   | A-4455-CY 22 B(228) |              |                 |              |                 | 22-14-2229   | A-4455-AA 22 B(P909) |
| 23   | 22-18-7231   | A-4455-CY 23 B(228) |              |                 |              |                 | 22-14-2239   | A-4455-AA 23 B(P909) |
| 24   | 22-18-7241   | A-4455-CY 24 B(228) |              |                 |              |                 | 22-14-2249   | A-4455-AA 24 B(P909) |
| 25   | 22-18-7251   | A-4455-CY 25 B(228) |              |                 |              |                 | 22-14-2259   | A-4455-AA 25 B(P909) |

|                  |                       |                                    |               |
|------------------|-----------------------|------------------------------------|---------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:                             | SHEET No.     |
| <b>D2</b>        | EC No.: UCP2006-2779  | KK 100 PCB ASSY<br>4455 SERIES DWG | <b>- 13 -</b> |
|                  | DATE: 5/26/2006       |                                    |               |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:                        | APPROVED BY:  |
| <b>SDA-4455</b>  | <b>ADERR</b>          | <b>AELHAG</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         |
|      | Hooks Cut:   | NO                             | Hooks Cut:   | NO                  | Hooks Cut:   | NO                   | Hooks Cut:   | NO                  |
|      | Housing No:  | 4455-N                         | Housing No:  | 4455-AN             | Housing No:  | 4455-AN              | Housing No:  | 4455-BN             |
|      | Terminal No: | 4316-4A(122)                   | Terminal No: | 4316-4(565)         | Terminal No: | 4316-4A(P909)        | Terminal No: | 4316-4(565)         |
|      | Dim C:       | 3.35 / .132                    | Dim C:       | 3.35 / .132         | Dim C:       | 3.35 / .132          | Dim C:       | 3.35 / .132         |
|      | Plating:     | 122                            | Plating:     | 565                 | 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                  |
|      | Material No  | Engineer Number                | Material No  | Engineer Number     | Material No  | Engineer Number      | Material No  | Engineer Number     |
|      | 2            | A-4455-AZ02T(122)              |              |                     |              |                      | 22-16-3028   | A-4455-AB02A(565)   |
|      | 3            | A-4455-AZ 03 T(122)            |              |                     |              |                      | 22-16-3038   | A-4455-AB 03 A(565) |
|      | 4            | A-4455-AZ 04 T(122)            |              |                     |              |                      | 22-16-3048   | A-4455-AB 04 A(565) |
|      | 5            | A-4455-AZ 05 T(122)            |              |                     |              |                      | 22-16-3058   | A-4455-AB 05 A(565) |
|      | 6            | A-4455-AZ 06 T(122)            |              |                     |              |                      | 22-16-3068   | A-4455-AB 06 A(565) |
|      | 7            | A-4455-AZ 07 T(122)            | 22-14-2077   | A-4455-AA07A(565)   | 22-14-3617   | A-4455-AA07T(P909)   | 22-16-3078   | A-4455-AB 07 A(565) |
|      | 8            | A-4455-AZ 08 T(122)            | 22-14-2087   | A-4455-AA 08 A(565) | 22-14-3618   | A-4455-AA 08 T(P909) | 22-16-3088   | A-4455-AB 08 A(565) |
|      | 9            | 22-02-7096 A-4455-AZ 09 T(122) | 22-14-2097   | A-4455-AA 09 A(565) | 22-14-3619   | A-4455-AA 09 T(P909) | 22-16-3098   | A-4455-AB 09 A(565) |
|      | 10           | A-4455-AZ 10 T(122)            | 22-14-2107   | A-4455-AA 10 A(565) | 22-14-3711   | A-4455-AA 10 T(P909) | 22-16-3108   | A-4455-AB 10 A(565) |
|      | 11           | 22-02-7116 A-4455-AZ 11 T(122) | 22-14-2117   | A-4455-AA 11 A(565) | 22-14-3712   | A-4455-AA 11 T(P909) | 22-16-3118   | A-4455-AB 11 A(565) |
|      | 12           | A-4455-AZ 12 T(122)            | 22-14-2127   | A-4455-AA 12 A(565) | 22-14-3713   | A-4455-AA 12 T(P909) | 22-16-3128   | A-4455-AB 12 A(565) |
|      | 13           | A-4455-AZ 13 T(122)            | 22-14-2137   | A-4455-AA 13 A(565) | 22-14-3714   | A-4455-AA 13 T(P909) | 22-16-3138   | A-4455-AB 13 A(565) |
|      | 14           | 22-02-7146 A-4455-AZ 14 T(122) | 22-14-2147   | A-4455-AA 14 A(565) | 22-14-3715   | A-4455-AA 14 T(P909) | 22-16-3148   | A-4455-AB 14 A(565) |
|      | 15           | A-4455-AZ 15 T(122)            | 22-14-2157   | A-4455-AA 15 A(565) | 22-14-3716   | A-4455-AA 15 T(P909) | 22-16-3158   | A-4455-AB 15 A(565) |
|      | 16           | A-4455-AZ 16 T(122)            | 22-14-2167   | A-4455-AA 16 A(565) | 22-14-3717   | A-4455-AA 16 T(P909) | 22-16-3168   | A-4455-AB 16 A(565) |
|      | 17           | A-4455-AZ 17 T(122)            | 22-14-2177   | A-4455-AA 17 A(565) | 22-14-3718   | A-4455-AA 17 T(P909) | 22-16-3178   | A-4455-AB 17 A(565) |
|      | 18           | A-4455-AZ 18 T(122)            | 22-14-2187   | A-4455-AA 18 A(565) | 22-14-3719   | A-4455-AA 18 T(P909) | 22-16-3188   | A-4455-AB 18 A(565) |
|      | 19           | A-4455-AZ 19 T(122)            | 22-14-2197   | A-4455-AA 19 A(565) | 22-14-3811   | A-4455-AA 19 T(P909) | 22-16-3198   | A-4455-AB 19 A(565) |
|      | 20           | A-4455-AZ 20 T(122)            | 22-14-2207   | A-4455-AA 20 A(565) | 22-14-3812   | A-4455-AA 20 T(P909) | 22-16-3208   | A-4455-AB 20 A(565) |
|      | 21           | A-4455-AZ 21 T(122)            | 22-14-2217   | A-4455-AA 21 A(565) | 22-14-3813   | A-4455-AA 21 T(P909) | 22-16-3218   | A-4455-AB 21 A(565) |
|      | 22           | A-4455-AZ 22 T(122)            | 22-14-2227   | A-4455-AA 22 A(565) | 22-14-3814   | A-4455-AA 22 T(P909) | 22-16-3228   | A-4455-AB 22 A(565) |
|      | 23           | A-4455-AZ 23 T(122)            | 22-14-2237   | A-4455-AA 23 A(565) | 22-14-3815   | A-4455-AA 23 T(P909) | 22-16-3238   | A-4455-AB 23 A(565) |
|      | 24           | A-4455-AZ 24 T(122)            | 22-14-2247   | A-4455-AA 24 A(565) | 22-14-3816   | A-4455-AA 24 T(P909) | 22-16-3248   | A-4455-AB 24 A(565) |
|      | 25           | 22-02-7256 A-4455-AZ 25 T(122) | 22-14-2257   | A-4455-AA 25 A(565) | 22-14-3817   | A-4455-AA 25 T(P909) | 22-16-3258   | A-4455-AB 25 A(565) |

|                  |                       |                 |              |
|------------------|-----------------------|-----------------|--------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:          | SHEET No.    |
| D2               | EC No.: UCP2006-2779  | KK 100 PCB ASSY | - 14 -       |
|                  | DATE: 5/26/2006       | 4455 SERIES DWG |              |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:     | APPROVED BY: |
| SDA-4455         | ADERR                 | AELHAG          | FSMITH       |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

|              |             |                 |              |                      |              |                      |              |                     |
|--------------|-------------|-----------------|--------------|----------------------|--------------|----------------------|--------------|---------------------|
| Assy Proc:   |             |                 | TOP ENTRY    |                      | RIGHT ANGLE  |                      | RIGHT ANGLE  |                     |
| Hooks Cut:   |             |                 | YES          |                      | YES          |                      | YES          |                     |
| Housing No:  |             |                 | 4455-N-02    |                      | 4455-N       |                      | 4455-N       |                     |
| Terminal No: |             |                 | 4316-4(P909) |                      | 4316-4(P909) |                      | 6516-4(208)  |                     |
| Dim C:       |             |                 | 3.35 / .132  |                      | 3.35 / .132  |                      | 3.35 / .132  |                     |
| Plating:     |             |                 | P909         |                      | P909         |                      | 208          |                     |
| Packaging:   |             |                 | PK-44646-003 |                      | PK-44646-004 |                      | PK-44646-004 |                     |
| Voids:       |             |                 | YES IN CKT 2 |                      | NO           |                      | NO           |                     |
|              |             |                 |              |                      |              |                      |              |                     |
| 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)   |
| 3            |             |                 |              |                      | 22-02-7262   | A-4455-AY 03 A(P909) | 50-29-0035   | A-4455-AY 03 B(208) |
| 4            |             |                 |              |                      |              | A-4455-AY 04 A(P909) |              | A-4455-AY 04 B(208) |
| 5            |             |                 |              |                      |              | A-4455-AY 05 A(P909) |              | A-4455-AY 05 B(208) |
| 6            |             |                 | 22-02-3068   | A-4455-CW06A(P909)-2 |              | A-4455-AY 06 A(P909) |              | A-4455-AY 06 B(208) |
| 7            |             |                 | 50-29-0004   | A-4455-CW07A(P909)-2 |              | A-4455-AY 07 A(P909) |              | A-4455-AY 07 B(208) |
| 8            |             |                 |              |                      |              | A-4455-AY 08 A(P909) |              | A-4455-AY 08 B(208) |
| 9            |             |                 |              |                      |              | A-4455-AY 09 A(P909) |              | A-4455-AY 09 B(208) |
| 10           |             |                 |              |                      |              | A-4455-AY 10 A(P909) |              | A-4455-AY 10 B(208) |
| 11           |             |                 |              |                      |              | A-4455-AY 11 A(P909) |              | A-4455-AY 11 B(208) |
| 12           |             |                 |              |                      |              | A-4455-AY 12 A(P909) |              | A-4455-AY 12 B(208) |
| 13           |             |                 |              |                      |              | A-4455-AY 13 A(P909) |              | A-4455-AY 13 B(208) |
| 14           |             |                 |              |                      |              | A-4455-AY 14 A(P909) |              | A-4455-AY 14 B(208) |
| 15           |             |                 |              |                      |              | A-4455-AY 15 A(P909) |              | A-4455-AY 15 B(208) |
| 16           |             |                 |              |                      |              | A-4455-AY 16 A(P909) |              | A-4455-AY 16 B(208) |
| 17           |             |                 |              |                      |              | A-4455-AY 17 A(P909) |              | A-4455-AY 17 B(208) |
| 18           |             |                 |              |                      |              | A-4455-AY 18 A(P909) |              | A-4455-AY 18 B(208) |
| 19           |             |                 |              |                      |              | A-4455-AY 19 A(P909) |              | A-4455-AY 19 B(208) |
| 20           |             |                 |              |                      |              | A-4455-AY 20 A(P909) |              | A-4455-AY 20 B(208) |
| 21           |             |                 |              |                      |              | A-4455-AY 21 A(P909) |              | A-4455-AY 21 B(208) |
| 22           |             |                 |              |                      |              | A-4455-AY 22 A(P909) |              | A-4455-AY 22 B(208) |
| 23           |             |                 |              |                      |              | A-4455-AY 23 A(P909) |              | A-4455-AY 23 B(208) |
| 24           |             |                 |              |                      |              | A-4455-AY 24 A(P909) |              | A-4455-AY 24 B(208) |
| 25           |             |                 |              |                      |              | A-4455-AY 25 A(P909) |              | A-4455-AY 25 B(208) |

|                  |                       |                                    |               |
|------------------|-----------------------|------------------------------------|---------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:                             | SHEET No.     |
| <b>D2</b>        | EC No.: UCP2006-2779  | KK 100 PCB ASSY<br>4455 SERIES DWG | <b>- 15 -</b> |
|                  | DATE: 5/26/2006       |                                    |               |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:                        | APPROVED BY:  |
| <b>SDA-4455</b>  | <b>ADERR</b>          | <b>AELHAG</b>                      | <b>FSMITH</b> |



# KK 100 PCB ASSY 2-25 CKT

## 4455 SERIES

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

|                  |                       |                 |              |
|------------------|-----------------------|-----------------|--------------|
| REV:             | ECR/ECN INFORMATION:  | TITLE:          | SHEET No.    |
| <b>D2</b>        | EC No.: UCP2006-2779  | KK 100 PCB ASSY | - 16 -       |
|                  | DATE: 5/26/2006       | 4455 SERIES DWG |              |
| DOCUMENT NUMBER: | CREATED / REVISED BY: | CHECKED BY:     | APPROVED BY: |
| SDA-4455         | ADERR                 | AELHAG          | FSMITH       |