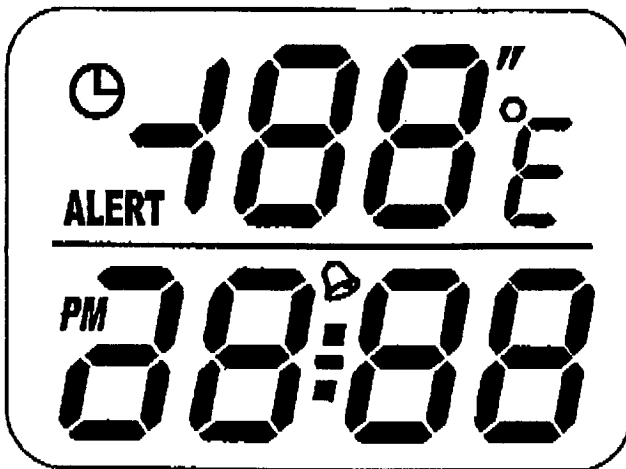


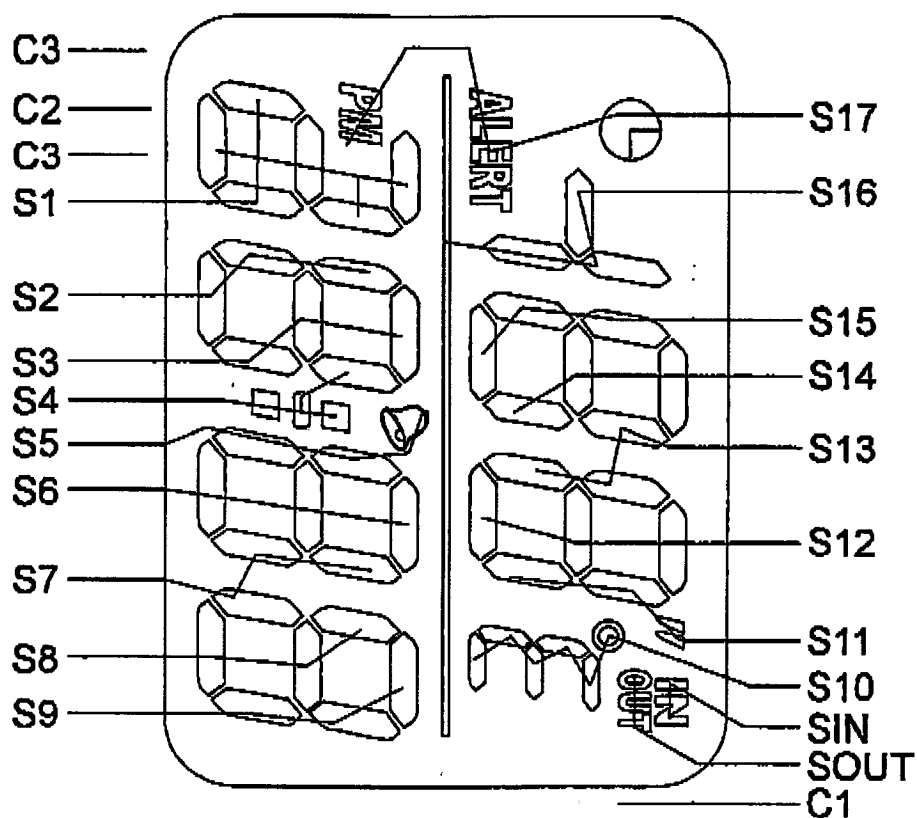
SS0115

DUAL-PANEL THERMO-WATCH WITH COUNT-DOWN TIMER

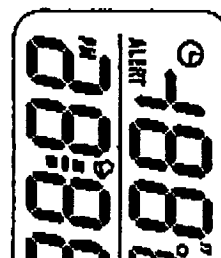
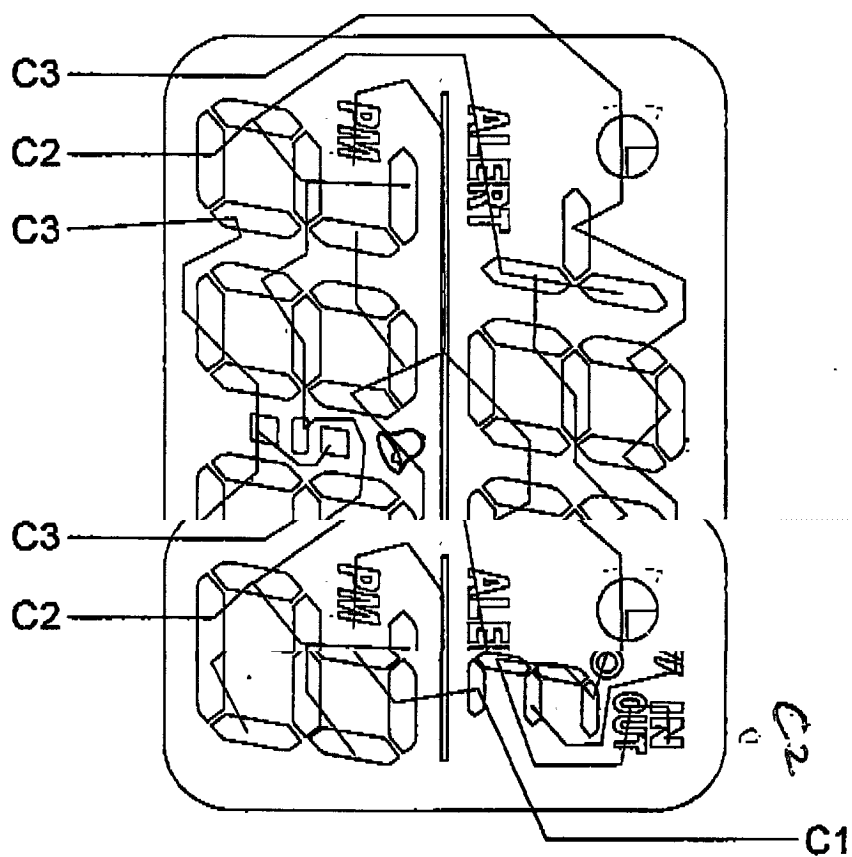


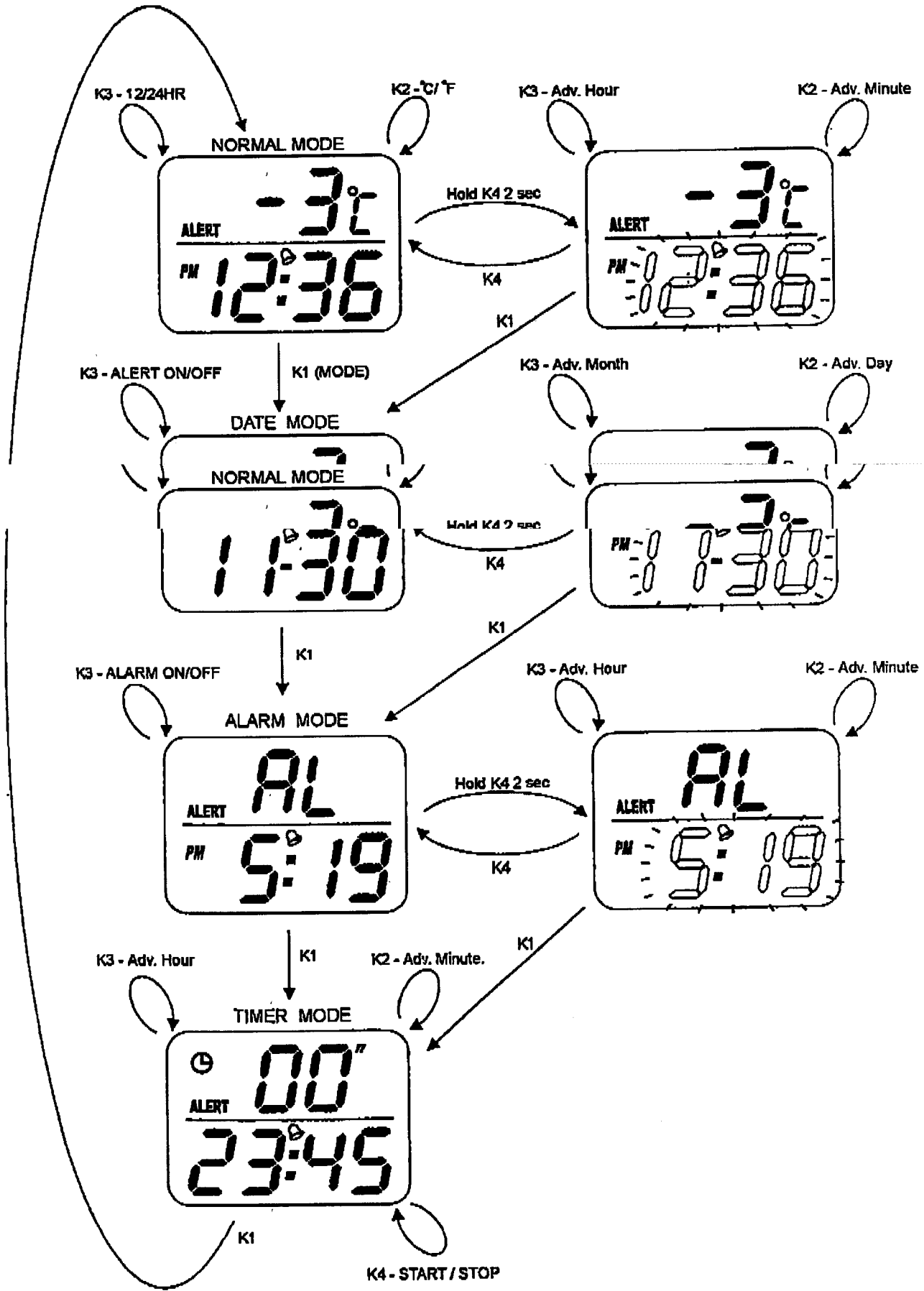
FEATURES

- . Low Operating Voltage : 1.2-1.65V
- . Low Standby Current (typ. 2uA)
- . Operating Current (typ. 25uA) during temperature measurement (every 10sec)
- . 4-digit LCD clock (hour / minute)
- . Date display (month / day)
- . Alarm Clock function (hour / minute)
- . Count down timer (max. 23 : 59 : 00)
- . Temperature measurement range from -20 ~ +70 degC (-4 ~ +158 degF)
- . Temperature accuracy : +/- 1 degC
- . degC / degF switchable
- . FREEZE-ALERT function
- . KEY-TONE



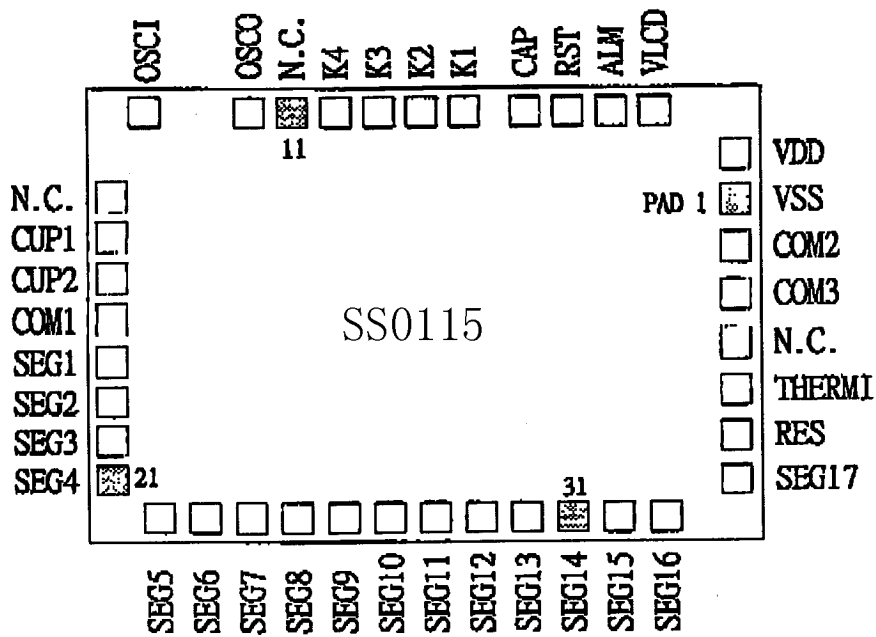
V_{CCD} : 3V
1/3 DUTY, 1/2 BIAS





BOND PAD DIAGRAM

SUNSTAR 半导体集成电路 <http://www.icasic.com/> TEL: 0755-83387030 FAX:0755-83376182 E-MAIL:szss20@163.com



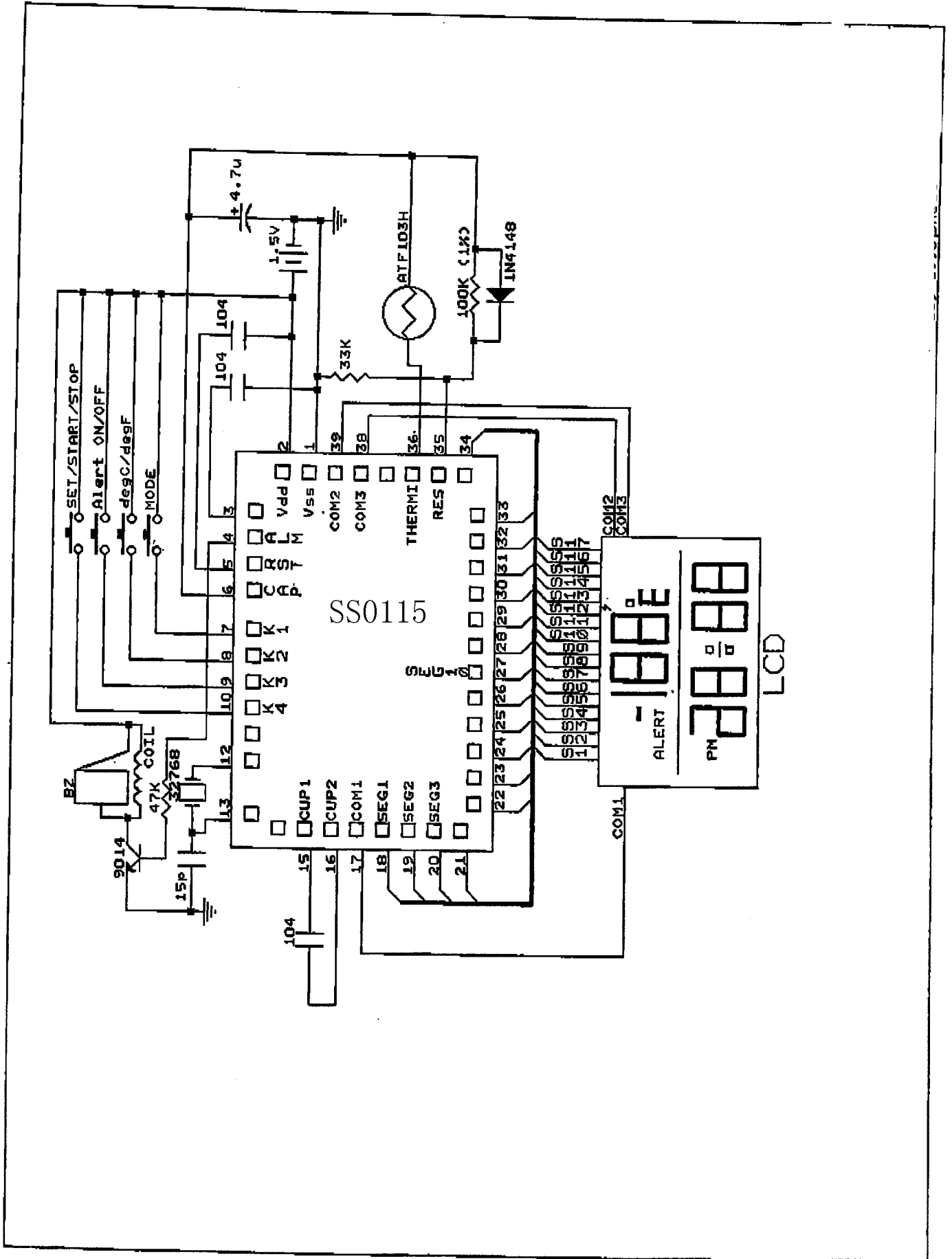
PAD ASSIGNMENT

| Pad No. | Name | Coordinate | | Pad No. | Name | Coordinate | |
|---------|---------|------------|--------|---------|---------|------------|-------|
| | | X | Y | | | X | Y |
| 1 | VSS | 1909.5 | 1128.6 | 21 | SEG4 | 85.5 | 199.5 |
| 2 | VDD | 1909.5 | 1275.6 | 22 | SEG5 | 234.0 | 88.5 |
| 3 | VLCD | 1757.4 | 1500.6 | 23 | SEG6 | 381.0 | 88.5 |
| 4 | ALM | 1610.4 | 1500.6 | 24 | SEG7 | 519.0 | 88.5 |
| 5 | RST | 1465.8 | 1500.6 | 25 | SEG8 | 657.0 | 88.5 |
| 6 | CAP | 1327.8 | 1500.6 | 26 | SEG9 | 795.0 | 88.5 |
| 7 | K1 | 1152.0 | 1500.6 | 27 | SEG10 | 933.0 | 88.5 |
| 8 | K2 | 1023.0 | 1500.6 | 28 | SEG11 | 1071.0 | 88.5 |
| 9 | K3 | 894.0 | 1500.6 | 29 | SEG12 | 1209.0 | 88.5 |
| 10 | K4 | 765.0 | 1500.6 | 30 | SEG13 | 1347.0 | 88.5 |
| 11 | RESERVE | 636.0 | 1500.6 | 31 | SEG14 | 1485.0 | 88.5 |
| 12 | OSCO | 498.0 | 1500.6 | 32 | SEG15 | 1623.0 | 88.5 |
| 13 | OSCI | 155.1 | 1500.6 | 33 | SEG16 | 1761.0 | 88.5 |
| 14 | RESERVE | 85.5 | 1132.5 | 34 | SEG17 | 1909.5 | 219.6 |
| 15 | CUP1 | 85.5 | 994.5 | 35 | RES | 1909.5 | 375.6 |
| 16 | CUP2 | 85.5 | 865.5 | 36 | THERMI | 1909.5 | 527.1 |
| 17 | COM1 | 85.5 | 736.5 | 37 | RESERVE | 1909.5 | 678.6 |
| 18 | SEG1 | 85.5 | 607.5 | 38 | COM3 | 1909.5 | 830.1 |
| 19 | SEG2 | 85.5 | 478.5 | 39 | COM2 | 1909.5 | 981.6 |
| 20 | SEG3 | 85.5 | 349.5 | | | | |

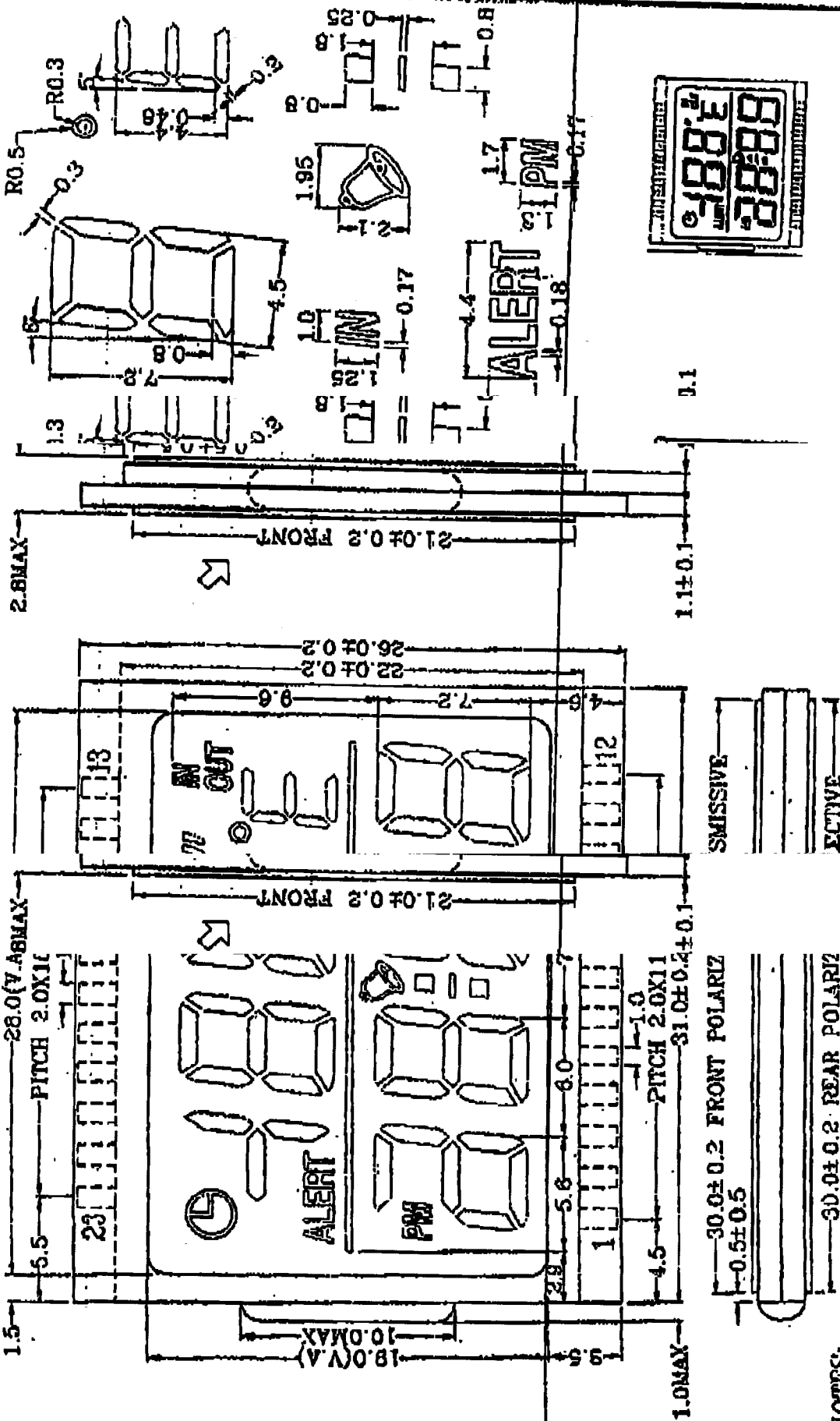
Note : The substrate must be connected to VSS.

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NOTES:

1. DISPLAY TYPE: TN.
2. VIEWING DIRECTION: 12 O'CLOCK
3. DRIVE METHOD: 1/3DUTY, 1/2BIAS.
4. OPERATING VOLTAGE: 3.0V.
5. POLARIZER MODE: REFLECTIVE/POST
6. OPERATING TEMP: -0--+50C.
7. STORAGE TEMP: -10--+60C.

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