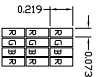


THE DRAWING ON THIS PRINT AND INFORMATION THEREWITH ARE PROPRIETARY TO VARRTRONIX AND SHALL NOT BE USED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF VARRTRONIX.

(RGB SIZE FOR CUSTOMER REFERENCE ONLY)

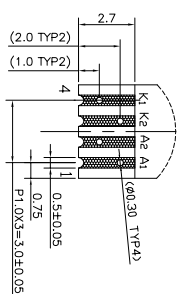
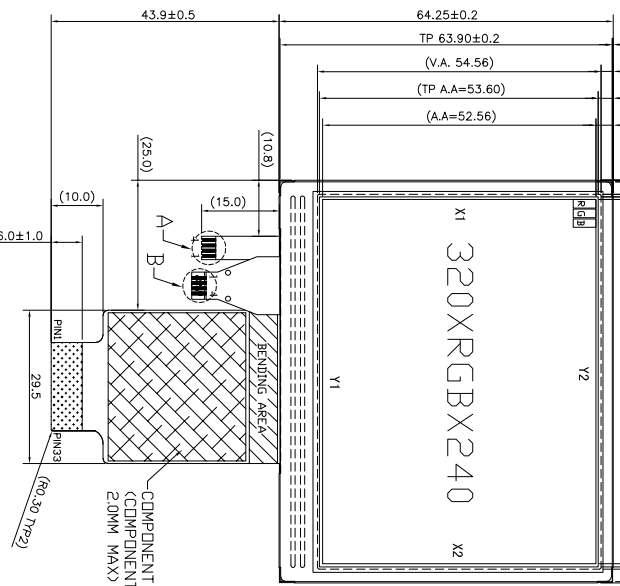


77.45±0.2

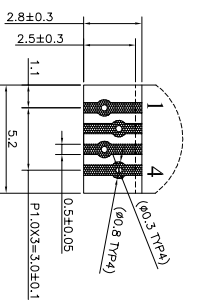
TP 76.90±0.2  
(V.A. 72.08)  
(TP AA=71.20)  
(AA=70.08)

(0.3)  
(2.7)  
(3.2)  
(3.7)

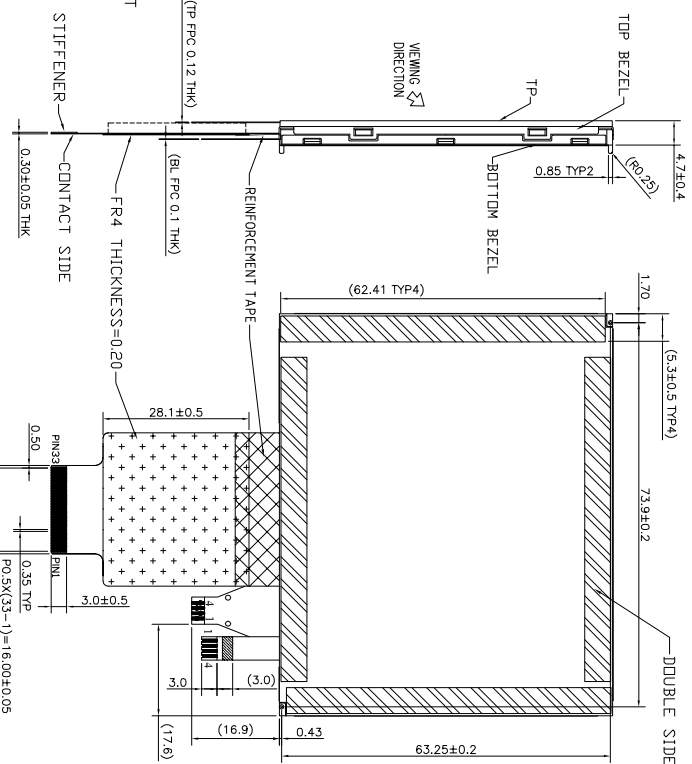
X1 320XRGBX240 X2



DETAIL A



DETAIL B



**PIN ASSIGNMENT.**

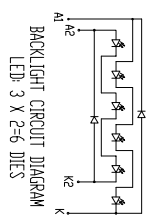
|    |    |     |       |       |         |    |    |    |    |    |    |    |     |     |     |    |
|----|----|-----|-------|-------|---------|----|----|----|----|----|----|----|-----|-----|-----|----|
| 1  | 2  | 3   | 4     | 5     | 6       | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14  | 15  | 16  | 17 |
| NC | NC | DEN | YSTNC | HSTNC | IDOTCLK | R0 | R1 | R2 | R3 | R4 | R5 | R6 | R7  | G0  | G1  | G2 |
| G3 | G4 | G5  | G6    | G7    | R0      | B1 | B2 | B3 | B4 | B5 | B6 | B7 | RST | GND | VCC |    |

**BACKLIGHT PIN ASSIGNMENT.**

|    |    |    |    |
|----|----|----|----|
| 1  | 2  | 3  | 4  |
| A1 | A2 | K2 | K1 |

**TP PIN ASSIGNMENT.**

|    |    |    |    |
|----|----|----|----|
| 1  | 2  | 3  | 4  |
| X1 | Y1 | X2 | Y2 |



LED: 3 X 2-6 DIES

| ISSUE | AMENDMENT | DATE |
|-------|-----------|------|
|       |           |      |
|       |           |      |

**REMARKS**

**BACKLIGHT**

|                                 |   |
|---------------------------------|---|
| DISPLAY TYPE                    | 3.5" TFT-AVE. TRANSMISSIVE, 262K COLORS |
| DISPLAY RESOLUTION              | 320 X RGB X 240                         |
| VIEWING ANGLE                   | 6.0° CLOCK                              |
| MUX RATIO AND BIAS RATIO        | 1/250 DUTY                              |
| LED CONTROL DRIVER              | HAS 58KA P1C10P300                      |
| LOGIC VOLTAGE                   | 5.5V                                    |
| OPERATING TEMPERATURE           | 20 °C TO -70°C                          |
| STORAGE TEMPERATURE             | 20 °C TO +80 °C                         |
| COLOR                           | WHITE (USE 6 LEDs)                      |
| WAVELENGTH                      | MIN. 440nm                              |
| DRAWING VOLTAGE                 | 1.9AV @ 44mA                            |
| LUMINANCE (CD/M2)               | MIN. 3000 cd/m²                         |
| TYPE (ON THE BACKLIGHT SURFACE) | TYPE 3000 cd/m² MAX.                    |

**TITLE: LCM SPECIFICATION**

**PROJECT NO: COG-T350MCQV-03**

**CUSTOMER REF: IN**

**TOLERANCE UNLESS OTHERWISE SPECIFIED:** XX ±0.3  
XXX ±0.1  
DIMENSIONS IN MM ANGULAR ± 1°

**MATERIAL: N/A FINISH: N/A**

**SCALE: DO NOT DIM SCALE OVERALL THK: N/A**

**THIRD ANGLE PROJECTION**

| NAME               | SIGN | DATE     |
|--------------------|------|----------|
| DRAWN: ZL XIE      |      | 10.12.16 |
| CHECKED: JUDY ZHU  |      |          |
| APPROVED: PRIT LEE |      |          |

**ITEM NO.: COG-T350MCQV-03**

**DESCRIPTION: COG-T350MCQV-03 SPEC**

**FILE NO.: COG-T350MCQV-03 ROLDWG REV: 0**

