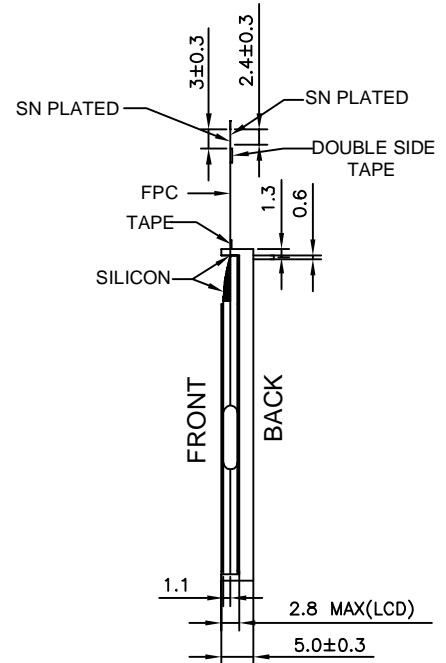
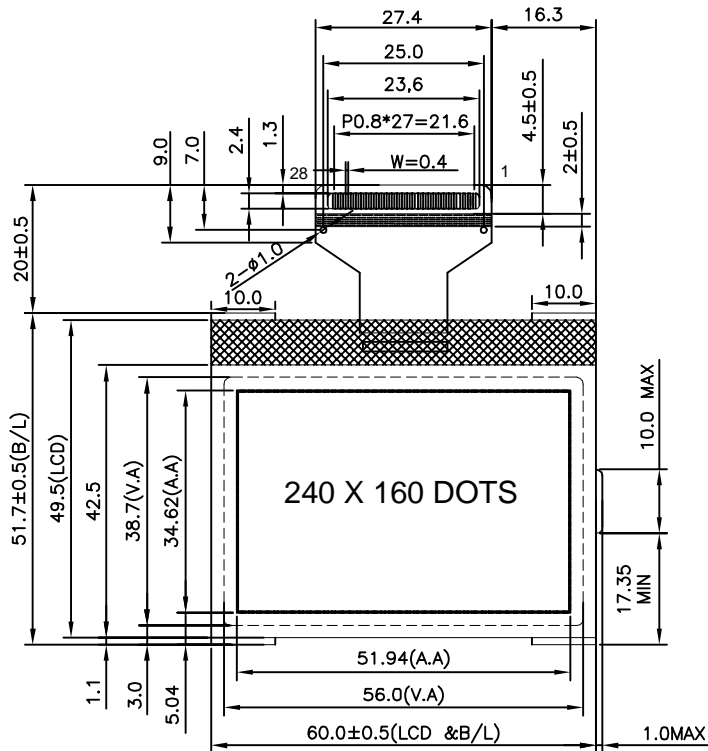
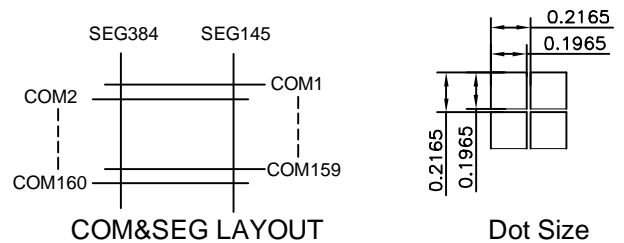
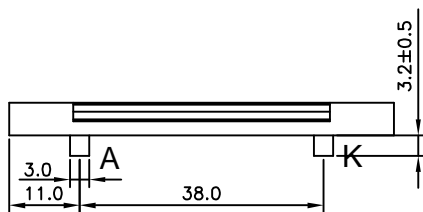


PG-241608 Series

OUTLINE DIMENSION



WITH LED B/L



| MECHANICAL DIMENSION | |
|------------------------|-------------------|
| Overall Dimension (mm) | 60.0 X 51.7 X 5.0 |
| Viewing Area (mm) | 56.0 X 38.7 |
| Format | 240 SEG × 160 COM |
| Dot Size (mm) | 0.1965 X 0.1965 |
| Dot Pitch (mm) | 0.2165 X 0.2165 |

| ABSOLUTE MAXIMUM RATINGS | | | | |
|--------------------------|---------|------|-----|------|
| Parameter | Symbol | MIN | MAX | Unit |
| Supply Voltage for Logic | Vdd-Vss | -0.3 | 3.3 | V |
| Supply Voltage for LCD | Vlcd | 6.15 | 18 | V |
| Input Voltage | Vin | | | V |

| ELECTRICAL CHARACTERISTICS (VDD=5.0V ; Top=25° C) | | | | | |
|---|-------------|---------------------|---------|-----|------|
| Parameter | Symbol | MIN | Typical | MAX | Unit |
| Power Supply Voltage | Vdd-Vss | | 3.3 | | V |
| LCD Operating Voltage | Vop | | 15.6 | | V |
| LCM Current Consumption | Idd | | | | mA |
| Backlight Current Consumption | LED (Edge) | | | | mA |
| | LED (Array) | | | | mA |
| Driving Method | | 1/160Duty 1/12 Bias | | | |

| PIN ASSIGNMENT | | | |
|----------------|--------|---------|--------|
| Pin No. | Symbol | Pin No. | Symbol |
| 1 | VLCD | 15 | WR1 |
| 2 | VS+ | 16 | WR0 |
| 3 | VS- | 17 | RST |
| 4 | VB0- | 18 | D0 |
| 5 | VB1- | 19 | D1 |
| 6 | VB1+ | 20 | D2 |
| 7 | VB0+ | 21 | D3 |
| 8 | VDD | 22 | D4 |
| 9 | VSS | 23 | D5 |
| 10 | TST4 | 24 | D6 |
| 11 | BM1 | 25 | D7 |
| 12 | BM0 | 26 | D8 |
| 13 | CS0 | 27 | D13 |
| 14 | CD | 28 | D15 |

NOTES

IC Controller / Driver:
LCD :

UC1698u (or Compatible)
FSTN, Y/G STN, Negative FSTN,
Negative FFSTN

Backlight :

White LED, YELLOW-GREEN LED

Viewing Angle:

6:00, 12:00

Operating Temperature :

-20° C ~ +70° C

Storage Temperature :

-30° C ~ +80° C

Note:

ID1=VDD (data select D[0:7], ID0=VDD or VSS

CS1=VDD