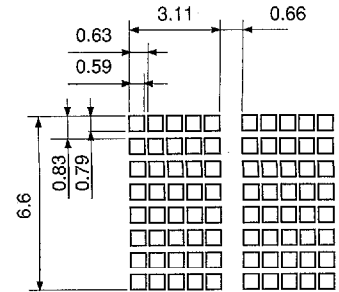
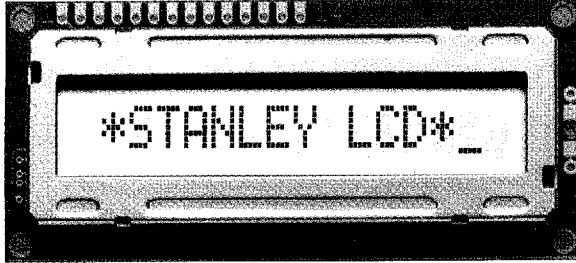
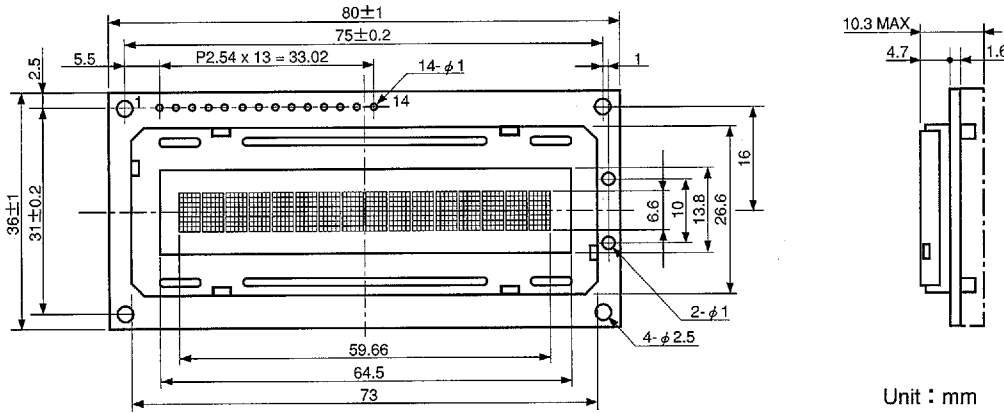


GMD1610F 16 Characters × 1 Line 1/16 Duty

● Display Pattern



● Module Dimensions (Reflective)



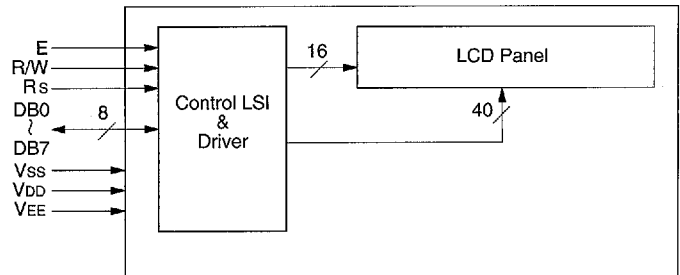
Unit : mm

● Interface Pin Functions

| Pin No. | Symbol | Level | Function | | | |
|---------|-----------------|-------|--|-------------------------------------|---------------------------------|--|
| 1 | V _{SS} | — | Power supply voltage | 0V (GND) | | |
| 2 | V _{DD} | — | | +5V | | |
| 3 | V _{EE} | — | | to drive LCD | | |
| 4 | R _s | H/L | Register Selection Signal H : Data Register L : Instruction Register | | | |
| 5 | R/W | H/L | H : Data Read (MPU→LCD) L : Data Write (MPU→LCD) | | | |
| 6 | E | H/L | Operation start signal for data read/write | | | |
| 7 | DB0 | H/L | Data Bus (lower order 4 lines) | | | |
| 8 | DB1 | H/L | | | | |
| 9 | DB2 | H/L | | | | |
| 10 | DB3 | H/L | | | | |
| 11 | DB4 | H/L | | | Data Bus (higher order 4 lines) | |
| 12 | DB5 | H/L | | | | |
| 13 | DB6 | H/L | | | | |
| 14 | DB7 | H/L | | | | |
| *15 | A(LED+) | — | Power Supply Voltage | Supply Voltage for LED Backlighting | | |
| *16 | K(LED-) | — | | 0V(GND) | | |

Note) * marked pins are only for LED backlighting type. (GMD1610FLY)

● Block Diagram



● DD RAM Address

| | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |

(HEX.)

RAM area : 00H ~ 27H & 40H ~ 67H

Note: Please select 2 lines display to the function setting.