



* FOR LED BACKLIGHT
 T1=14.0MAX T2=9.0±0.3
 * FOR EL OR NO BACKLIGHT
 T1=11.0MAX T2=6.0±0.3

| PINS ASSIGNMENT | |
|-----------------|---|
| NO. | SYSDOL DESCRIPTION |
| 1 | VEE NEGATIVE VOLTAGE OUTPUT/INPUT(-10V) |
| 2 | VSS GROUND |
| 3 | VDD POWER SUPPLY |
| 4 | V0 OPERATING VOLTAGE FOR LCD |
| 5 | /WR WRITE SIGNAL |
| 6 | /RD READ SIGNAL |
| 7 | /CE CHIP ENABLE SIGNAL |
| 8 | C/D COMMAND/DATA SELECTION |
| 9 | /RST RESET SIGNAL |
| 10-17 | DB0-DB7 DATA BUS |
| 18 | F/S FINIT SELECTION(LB8, HB8) |
| 19 | A POWER SUPPLY FOR LED BACKLIGHT(+) |
| 20 | K POWER SUPPLY FOR LED BACKLIGHT(-) |

| ABSOLUTE MAXIMUM RATING | | | |
|---------------------------------|----------------|----------------|-----------------|
| ITEM | SYMBOL | MIN | MAX |
| POWER SUPPLY(V _{DD}) | VDD-VSS | 0 | 6.5 |
| POWER SUPPLY(V _{LED}) | VDD-V0 | 0 | 18.0 |
| INPUT VOLTAGE | V _I | V _I | V _{DD} |

| ELECTRICAL CHARACTERISTICS | | | |
|----------------------------|---------------------------------|--------------------|--------------------|
| ITEM | SYMBOL | MIN | MAX |
| VOLTAGE FOR LOGIC | VDD-VSS | 4.75 | 5.0 |
| SUPPLY CURRENT | I _{DD} | - | 5.1 |
| LCD OPERATING VOLTAGE | V _{DD} -V ₀ | - | 9.7 |
| INPUT VOLTAGE | V _I | - | 9.5 |
| INPUT VOLTAGE | V _{IL} | 0.7V _{DD} | - |
| INPUT VOLTAGE | V _{IH} | 0 | 0.3V _{DD} |

| MECHANICAL SPECIFICATIONS | | |
|---------------------------|------------------------------|------|
| ITEM | SPECIFICATION | UNIT |
| OVERALL SIZE | 78.0W x 70.0H x 14.0T(11.0T) | MM |
| VIEWING AREA | 62.0W x 44.0H | MM |
| DOT NUMBER | 128 x 64 | DOTS |
| DOT SIZE | 0.39W x 0.05H | MM |
| DOT PITCH | 0.44W x 0.60H | MM |

- OPTIONS**
- LCD TYPE: Y/G STN, GRAY STN, B/W FSTN
 - BACKLIGHT: WITHOUT BACKLIGHT, LED, EL
 - COLOR OF BACKLIGHT: Y/G, BLUE, WHITE
 - TEMPERATURE RANGE: NORMAL(0--50C), EXTENDED(-20--70C)
 - POWER SUPPLY: ON BOARD, DUAL DC(SINGLE 5.0V), DUAL POWER SUPPLY(5.0V & -5.0V)
 - VIEWING ANGLE: 6H, 12H

NT-G1286411A

128 X 64 DOTS GRAPHIC LCM



ALL DIMENSIONS ARE IN MM. TOLERANCE IS +0.2 UNLESS OTHERWISE NOTED.

| NO. | DATE | BY | DESCRIPTION |
|-----|----------|-----|-------------|
| 1 | 04/10/28 | ACh | NEW RELEASE |

NFLY, YOUR SUPPLIER, AND YOUR PARTNER!