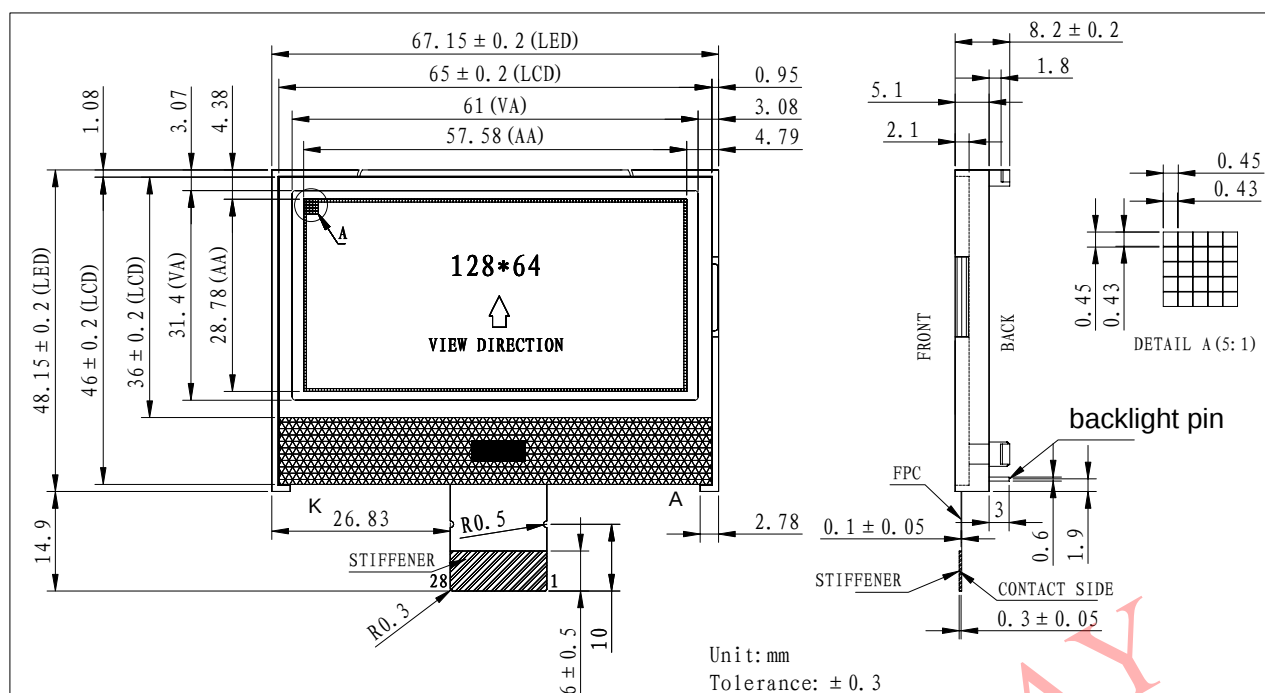




## PIN CONNECTIONS

| Pin   | Symbol | Level | Function                                     |
|-------|--------|-------|----------------------------------------------|
| 1     | /CS1   | L     | Chip select signal, active“L”                |
| 2     | /RES   | L     | Reset signal, active“L”                      |
| 3     | RS     | H/L   | H:Display data L:Control data                |
| 4     | RW     | H/L   | Parallel: H: Read L: Write                   |
| 5     | E      | H/L   | Parallel: Enable signal                      |
| 6~13  | D0-D7  | H/L   | Data bus                                     |
| 14    | VDD    | +3.3V | Power Supply for logic                       |
| 15    | VSS    | 0V    | GND                                          |
| 16    | VOOUT  | -     | DC/DC voltage converter output.              |
| 17    | C4P    |       | DC/DC voltage converter circuit.             |
| 18    | C3P    |       |                                              |
| 19    | C1N    |       |                                              |
| 20    | C1P    |       |                                              |
| 21    | C2P    |       |                                              |
| 22    | C2N    |       | LCD driver supplies voltages.                |
| 23~26 | V1~V4  |       |                                              |
| 27    | V0     |       |                                              |
| 28    | PS     |       | H: Parallel interface<br>L: Serial interface |

## LED BACKLIGHT:

|   | INPUT VOLTAGE | FUNCTION                        |
|---|---------------|---------------------------------|
| A | +5.0V         | Power supply for LED backlight. |
| K | 0V            |                                 |

## NOTES:

1. Built-in controller(NT7534)
2. Parallel(6800-Serials ) interface

## MECHANICAL DATA

| Item                    | Nominal Dimensions | Unit |
|-------------------------|--------------------|------|
| Module Size (W x H x T) | 67.15X48.15X8.2    | mm   |
| Viewing Area (W x H)    | 61.0 X31.4         | mm   |
| Dot Pitch (W x H)       | 0.45X0.45          | mm   |
| Dot Size (W x H)        | 0.43X0.43          | mm   |

## ABSOLUTE MAXIMUM RATINGS

| Item                  | Symbol          | Min. | Max. | Unit |
|-----------------------|-----------------|------|------|------|
| Supply Voltage(Logic) | $V_{DD}-V_{SS}$ | 0    | 3.5  | V    |
| Supply Voltage(LCD)   | $V_{LCD}$       | 0    | 15   | V    |
| Operating Temp        | $T_{OPR.}$      | -20  | 70   | °C   |
| Storage Temp          | $T_{STG.}$      | -30  | 80   | °C   |

ELECTRICAL CHARACTERISTICS(  $V_{DD}=3.3V$ ,  $T_a=25^{\circ}C$  )

| Item               | Sym.     | Min.         | Typ. | Max.         | Unit |
|--------------------|----------|--------------|------|--------------|------|
| Input High Voltage | $V_{IH}$ | 0.8 $V_{DD}$ | -    | $V_{DD}$     | V    |
| Input Low Voltage  | $V_{IL}$ | $V_{SS}$     | -    | 0.2 $V_{DD}$ | V    |
| Supply Current     | $I_{DD}$ | -            | 250  | -            | mA   |

LED BACKLIGHT SPECIFICATION (  $T_a=25^{\circ}C$  )

| Item  | Forward Voltage | Forward Current |
|-------|-----------------|-----------------|
| White | 5.0V            | If=45mA         |