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|----------------------------|------------------------------------------------------|
| DISPLAY TYPE | FSTN |
| VEILING DIRECTION | 12 O' CLOCK |
| POLARIZER MODE | TRANSMISSIVE/NEGATIVE |
| POLARIZER | ANTI-GLARE |
| DRIVE METHOD | 1/65 DUTY 1/9 BIAS |
| LCD DRIVE VOLTAGE | 11.3V |
| LOGIC POWER SUPPLY VOLTAGE | 3.3V |
| OPERATING TEMP | -30°C ~ +80°C |
| STORAGE TEMP | -40°C ~ +85°C |
| IC | NT7534H-BDT |
| CONNECTION TYPE | COG |
| BACKLIGHT UNIT | LED(WHITE) >=7000(TYP)cd/m ² 6.5U/55mA |

The module is consistent to RoHS principle.

FEATURE

1. FSTN, Negative, Transmissive/Display
2. IC: NOVATEK NT7534H-BDT
3. 1/65 Duty, 1/9 Bias, 12 o'clock.
4. Backlight: LED (White)

| Pin NO | Symbol |
|--------|---------|
| 1 | /CS1 |
| 2 | /RES |
| 3 | A0 |
| 4 | /WR |
| 5 | /RD |
| 6~11 | D0~D5 |
| 12 | D6(SCL) |
| 13 | D7(DI) |
| 14 | VDD |
| 15 | VSS |
| 16 | VOUT |
| 17 | CAP4+ |
| 18 | CAP3+ |
| 19 | CAP1- |
| 20 | CAP1+ |
| 21 | CAP2+ |
| 22 | CAP2- |
| 23~26 | V1~V4 |
| 27 | V0 |
| 28 | C86 |
| 29 | P/S |
| 30 | /HPM |

| MECHANICAL DATA | | | |
|------------------|----------------------------|------|--|
| Item | Standard Value | Unit | |
| Module Dimension | 73.2(W) x 50.9(H) x 7.7(T) | mm | |
| Viewing Area | 68(W) x 39(H) | mm | |
| Dot Size | 0.47(W) x 0.54(H) | mm | |
| Dot Pitch | 0.49(W) x 0.56(H) | mm | |

| ABSOLUTE MAXIMUM RATING | | | | | |
|------------------------------|---------|----------------|-----|------|------|
| Item | Symbol | Standard Value | | | Unit |
| | | min | typ | max | |
| Supply Voltage For Logic | VDD-VSS | -0.3 | — | +4.0 | V |
| Supply Voltage for LCD Drive | V0 | -0.3 | — | +15 | V |

| ELECTRONICAL CHARACTERISTICS | | | | | | |
|------------------------------|--------------|-------------------------------------------------------------------------------------------------------------|----------------|------|--------|------|
| Item | Symbol | Condition | Standard Value | | | Unit |
| | | | min | typ | max | |
| Logic Supply Voltage | VDD-VSS | — | — | 3.3 | — | V |
| LCD Drive | V0 - VSS | — | — | 11.3 | — | V |
| Input Voltage | VDD= 3.3V±5% | — | 0.8VDD | — | VDD | V |
| | | — | VSS | — | 0.2VDD | |
| Current Consumption | IDD | VDD=3V, V0=11V, built-in boosting power supply off, display on, display data=checker and no access Ta=25°C. | — | 20 | 35 | mA |