



Interface

| Pin no | Symbol | Function |
|--------|--------|--|
| 1 | RST | External reset pin |
| 2 | SCLK | Serial clock input |
| 3 | SDTAT | Serial data input |
| 4 | VSS | Power supply (GND) |
| 5 | VDD | Power supply(+) |
| 6 | CAP+ | For voltage booster circuit(VDD-VSS) External capacitor about 0.1µ~4.7µf. |
| 7 | CAP- | For voltage booster circuit(VDD-VSS) External capacitor about 0.1µ~4.7µf. |
| 8 | VO | DC-DC voltage converter. |

Feature

| | | | |
|------------|-----------|----------------|-------------|
| Controller | ST70321 | Module | 60.0 x 26.0 |
| Duty | 1/16 duty | Viewing Area | 50.0 x 16.0 |
| Bias | 1/5 bias | Mounting hole | - |
| B/L | Y/G | Character Size | 2.46 x 4.7 |

Absolute Maximum Rating

| Item | Symbol | Condition | Min | Max | Units |
|----------------------------|---------|-----------|------|---------|-------|
| Supply for logic voltage | Vdd-Vss | 25°C | -0.3 | 7 | V |
| LCD driving supply voltage | Vdd-Vss | 25°C | -0.3 | 13 | V |
| Input voltage | Vin | 25°C | -0.3 | Vdd+0.3 | V |

Electrical Characteristics

| Item | Symbol | Condition | Min. | Typ. | Max. | Units |
|-----------------------|---------|-----------|------|------|------|-------|
| Power supply voltage | Vdd-Vss | 25°C | 2.7 | - | 5.5 | V |
| LCD operation voltage | Vop | 25°C | - | 4.2 | - | V |
| LED Forward Voltage | VF | 25°C | - | 4 | - | V |
| LED Forward Current | IF | 25°C | - | 20 | - | mA |