



Interface

| Pin no | Symbol | Function |
|--------|--------|---------------------------|
| 1 | VSS | Power supply (GND) |
| 2 | VDD | Power supply(+) |
| 3 | VO | Contrast Adjustment |
| 4 | RS | Data / Instruction select |
| 5 | R/W | Read / Write select |
| 6 | E | Enable signal |
| 7 | DB0 | Date bus line |
| 8 | DB1 | Date bus line |
| 9 | DB2 | Date bus line |
| 10 | DB3 | Date bus line |
| 11 | DB4 | Date bus line |
| 12 | DB5 | Date bus line |
| 13 | DB6 | Date bus line |
| 14 | DB7 | Date bus line |
| 15 | LEDA | LED B/L (+) |
| 16 | LEDK | LED B/L (-) |

Feature

| Controller | SPLC780D | Module | 180.0 x 40.0 |
|------------|-----------|----------------|--------------|
| Duty | 1/16 duty | Viewing Area | 149.0 x 23.0 |
| Bias | 1/5 bias | Mounting hole | 172.0 x 32.0 |
| B/L | Y/G | Character Size | 6.0 x 9.66 |

Absolute Maximum Rating

| I tem | Symbol | Condition | Min | Max | Units |
|----------------------------|----------------------------------|-----------|------|----------------------|-------|
| Supply for logic voltage | V _{DD} -V _{SS} | 25°C | -0.3 | 7 | V |
| LCD driving supply voltage | V _{DD} -V _{SS} | 25°C | -0.3 | 13 | V |
| Input voltage | V _{in} | 25°C | -0.3 | V _{DD} +0.3 | V |

Electrical Characteristics

| Item | Symbol | Condition | Min. | Typ. | Max. | Units |
|-----------------------|----------------------------------|-----------|------|------|------|-------|
| Power supply voltage | V _{DD} -V _{SS} | 25°C | 4.5 | - | 5.5 | V |
| LCD operation voltage | V _{op} | 25°C | - | 4.4 | - | V |
| LED Forward Voltage | V _F | 25°C | - | 4.2 | - | V |
| LED Forward Current | I _F | 25°C | - | 360 | - | mA |