



Parallel/Serial Interface Mode

| Type | PS1 | CSB | PS0 | Interface mode |
|----------|-----|-----|-----|----------------------|
| Parallel | H | CSB | H | 6800-series MPU mode |
| | L | | | 8060-series MPU mode |
| Serial | H | CSB | L | 4-pin SPI mode |
| | L | | | 3-pin SPI mode |

Interface

| Pin no | Symbol | Pin no | Symbol |
|--------|---------|--------|--------|
| 1 | NC | 23 | C1- |
| 2 | PS0 | 24 | C1+ |
| 3 | PS1 | 25 | C2+ |
| 4 | CSB | 26 | C2- |
| 5 | RESETB | 27 | C4+ |
| 6 | RS | 28 | REF |
| 7 | RW-WR | 29 | VEXT |
| 8 | E-RD | 30 | INTRS |
| 9-16 | DB0-DB7 | 31-35 | V4-V0 |
| 17 | VDD | 36 | VR |
| 18 | VCI | 37 | OSC1 |
| 19 | VSS | 38 | NC |
| 20 | VOUT | - | - |
| 21 | C5+ | - | - |
| 22 | C3+ | - | - |

Feature

| | | | |
|------------|------------|----------------|--------------|
| Controller | S6B0741 | Module | 40.6 x 56.66 |
| Duty | 1/128 duty | Viewing Area | 34.3 x 35.46 |
| Bias | 1/11 bias | Mounting hole | - |
| Backlight | N/A | Character Size | 0.21 x 0.235 |

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. | V |

Electrical Characteristics

| Item | Symbol | Condition | Min. | Typ. | Max. | Units |
|-----------------------|---------|-----------|------|------|------|-------|
| Power supply voltage | Vdd-Vss | 25°C | 1.8 | - | 3.3 | V |
| LCD operation voltage | Vop | 25°C | - | 12.9 | - | V |