

SG128128A (128 DOTS X 128 DOTS)

FEATURES

- . BUILT-IN CONTROLLER T6963C OR EQUIVALENT)
- . +5 V POWER SUPPLY
- . 1/128 DUTY CYCLE
- . 8-BIT PARALLEL INTERFACE

MECHANICAL DATA

| ITEM | DIMENSIONS | UNIT |
|-------------------------|--------------------|------|
| Module Size (W x H x T) | 88.0 x 88.0 x 16.3 | mm |
| Viewing Area (W x H) | 69.0 x 69.0 | mm |
| Active Area (W x H) | 63.96 x 63.96 | mm |
| Dot Size (W x H) | 0.46 x 0.46 | mm |
| Dot Pitch (W x H) | 0.50 x 0.50 | mm |

INTERFACE PIN CONNECTIONS

| NO. | SYMBOL | LEVEL | FUNCTION |
|------|-----------------|-------|-------------------------------------|
| 1 | V _{SS} | 0V | Power Supply Ground |
| 2 | V _{DD} | 5V | Power Supply Voltage |
| 3 | V ₀ | - | Contrast Adjustment Voltage |
| 4 | C/D | H/L | H : Instruction Code, L : Data Code |
| 5 | /RD | L | Read Signal |
| 6 | /WR | L | Write Singal |
| 7~14 | DB0-DB7 | H/L | Data Bus Line |
| 15 | /CE | L | Enable Signal |
| 16 | /RST | L | Reset Signal |
| 17 | VEE | - | Power Supply Voltage For LCD |
| 18 | MD2 | H/L | H : 32/L : 40 Select of Columns |
| 19 | FS1 | H/L | H : 6*8 , L : 8*8 Select Of Columns |
| 20 | NC | - | No Connection |

ABSOLUTE MAXIMUM RATINGS

| ITEM | SYMBOL | MIN. | TYP. | MAX. | UNIT |
|------------------------------|----------------------------------|-----------------|------|-----------------|------|
| Supply Voltage For Logic | V _{DD} -V _{SS} | 0 | - | 7 | V |
| Supply Voltage For LCD Drive | V _{DD} -V ₀ | 0 | - | 28 | V |
| Input Voltage | V _I | V _{SS} | - | V _{DD} | V |

ELECTRICAL CHARACTERISTICS

| ITEM | SYMBOL | CONDITION | MIN. | TYP. | MAX. | UNIT | |
|--------------------------|----------------------------------|----------------------------|------|------|------|-----------------|---|
| Supply Voltage For Logic | V _{DD} -V _{SS} | - | 4.5 | 5 | 5.5 | V | |
| Supply Voltage For LCD | V _{DD} -V ₀ | V _{DD} =5V Ta=25. | 17.2 | 18.5 | 19.6 | V | |
| Supply Current | I _{DD} | V _{DD} =5V | - | 16 | 25 | mA | |
| Input Voltage | "HIGH" Level | V _{IH} | - | 2.2 | - | V _{DD} | V |
| | "LOW" Level | V _{IL} | - | - | - | 0.6 | V |
| Output Voltage | "HIGH" Level | V _{OH} | - | 2.4 | - | - | V |
| | "LOW" Level | V _{OL} | - | - | - | 0.4 | V |

EXTERNAL DIMENSIONS

