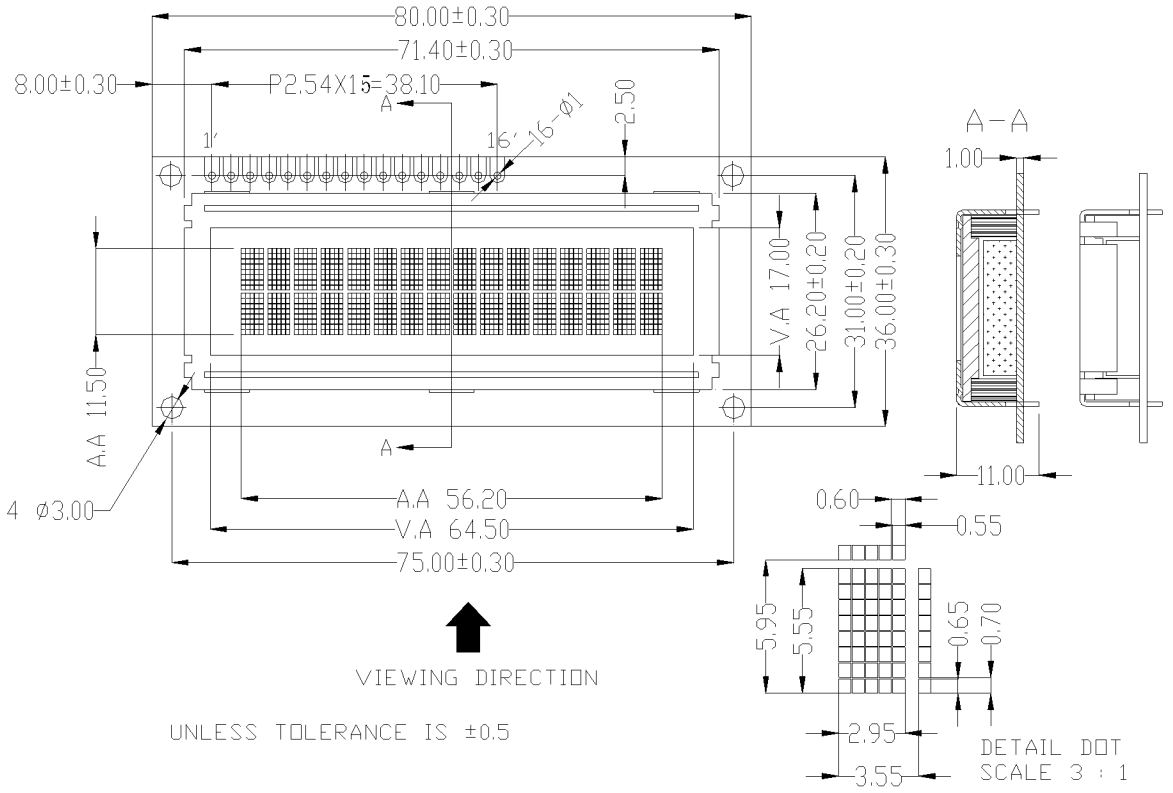
FUNCTIONS AND FEATURES

- Viewing Direction : 6 O' Clock
- Driving Scheme : 1/16 Duty;1/5 Bias
- Power Supply Voltage :2.7 TO 5.5 V (typical 5.0 V)
- Backlight color : Yellow Green
- VLCD Adjustable for best contrast : 4.5 V
- Easy interface with 4-bit or 8-bit MPU

MECHANICAL SPECIFICATIONS

- Display contents : 16 x 2 Characters
- Character Pitch : 3.55(W) x 5.95(h) mm
- Character Size : 2.95(W) X 5.55(h) mm
- Character font : 5 X 8 dots
- Dot Size : 0.55(W) x 0.65 (h) mm
- Dot Pitch : 0.60(w) X 0.70(h) mm

EXTERNAL DIMENSIONS



PIN ASSIGNMENT

Pin No.	Symbol	Function
1	VSS	Ground for LCD Module.
2	VDD	Power terminal of module 2.7V to 5.5V.
3	V0	Power Supply for liquid crystal drive. (Vo=V_{DD}-V_{LCD})
4	RS	Register select RS = 0…Instruction register RS = 1…Data register
5	R/W	Read /Write R/W = 1…Read R/W = 0…Write
6	E	Read/Write Enable Signal
7~14	DB0~DB7	Bi-directional data bus, data transfer is performed once, thru DB0 to DB7, in the case of interface data. Length is 8-bits; and twice, thru DB4 to DB7 in the case of interface data length is 4-bits. Upper four bits first then lower four bits.
15 ~16	**LED Backlight**	**Refer Backlight connection details**

ABSOLUTE MAXIMUM RATINGS

	MIN	TYP	MAX
Power Supply Voltage	0.3V	5.0V	7.0V
LCD bias Voltage	5.0 V	6.0V	11.0V
Operating Temperature	0 Deg C	25 Deg C	50 Deg C
Storage Temperature	-10 Deg C	25 Deg C	60 Deg C

ELECTRICAL CHARACTERISTICS

Input High Voltage		2.2 V	----	-----
Input Low Voltage		-----	----	0.6 V
Output High Voltage		2.4 V	----	-----
Output Low Voltage		----	----	0.4V
Power Supply Current	I_{DD}	----	0.8 mA	1.8 mA
	I_{LED}	----	90 mA	400 mA

BACKLIGHT CONNECTION DETAILS

SL NO	BACKLIGHT CONNECTION	JUMPER POSITION
1	PIN NO 1 – CATHODE PIN NO 2 – ANODE	P1, P6 BRIDGE P2, P5 BRIDGE
2	PIN NO 15 – CATHODE PIN NO 16– ANODE	P3, P6 BRIDGE P4, P5 BRIDGE
3	PIN NO 16 – CATHODE PIN NO 15 – ANODE	P4, P6 BRIDGE P3, P5 BRIDGE
4	PIN NO 1 – CATHODE PIN NO 15 – ANODE	P1, P6 BRIDGE P3, P5 BRIDGE