LCD 16x2 PVC160203P 〈無背光LED〉

# 1.0 COMPOSITION

Display type: 16 CHARACTERS × 2 LINES DOTs-Matrix LCD Module
Driving method: 1/16 DUTY 1/5 BIAS
View Direction: 6 O'clock
Backlight: NONE

2.0 MECHANICAL SPECIFICATIONS

ITEM	STANDARD VALUES	UNITS
LCD type	TN Reflective / Positive	
Dot arrangement	16 Characters × 2 Lines	dots .
Module size	84.0 (W) × 44.0 (H) × 15.5 (D)	mm
View area	61.0 (W) × 17.0 (H)	mm
Active area	56.20 (W) × 11.50 (H)	mm
Dot size	0.55 (W) × 0.65 (II)	mm
Dot pitch	0.6 (W) × 0.7 (H)	mm
Viewing direction	6 O'clock	
Weight	40	g

3.0 DIMENSIONAL DIAGRAM
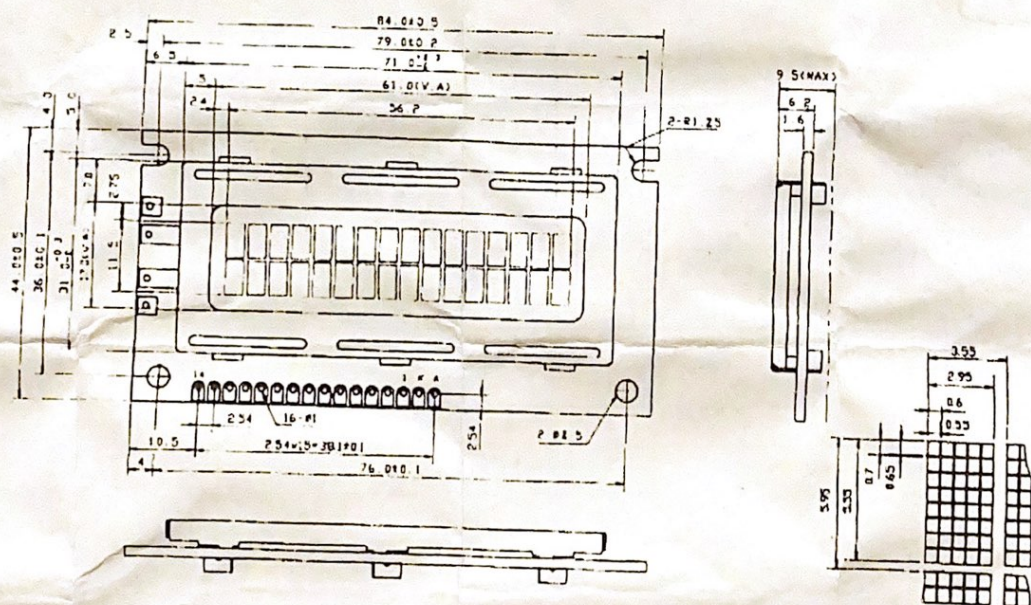
5.0 ELECTRICAL SPECIFICATIONS

ITEM	SYMBOL	MIN	TYP	MAX	UNITS
Power-supply voltage	V_{DD}	4.7	5.0	5.3	V
Power-supply current (VDD=5V)	I_{DD}	—	1.6	2.5	mA
Vop output voltage	V_O	----	4.5	-----	V
Input voltage	V_{IH}	$0.8V_{DD}$	—	V_{DD}	V
	V_{IL}	0	—	$0.2V_{DD}$	

5.1 POWER SUPPLY CIRCUIT DIAGRAM

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┌─────────────────────┐
│ PVC160203           │
│                  VDD │────────── +5V
│ LCM  MODULE         │
│                      │
│                  VSS │──────┐
└─────────────────────┘      ┴
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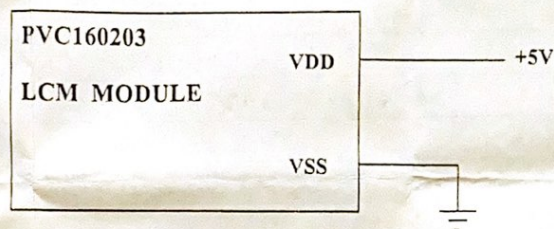
6.0 INTERFACE PIN DESCRIPTION

PIN NO.	SYMBOL	I/O	FUNCTION
1	Vss	I	Ground
2	VDD	I	Power Supply for Logic
3	Vo	O	Power Supply for LCD
4	RS	I	REGISTER SELECT
5	R/W	I	READ /WRITE
6	E	I	ENABLE SIGNAL
7-14	DB0 ~ DB7	I	Data BUS
15	NC		
16	NC		