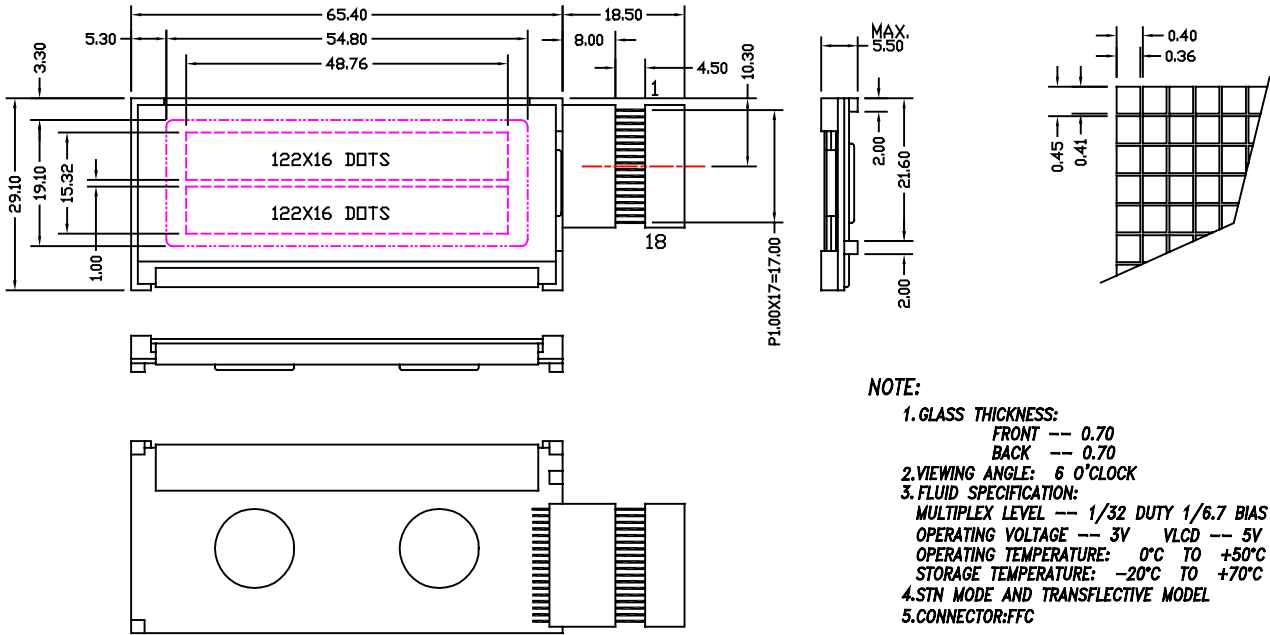


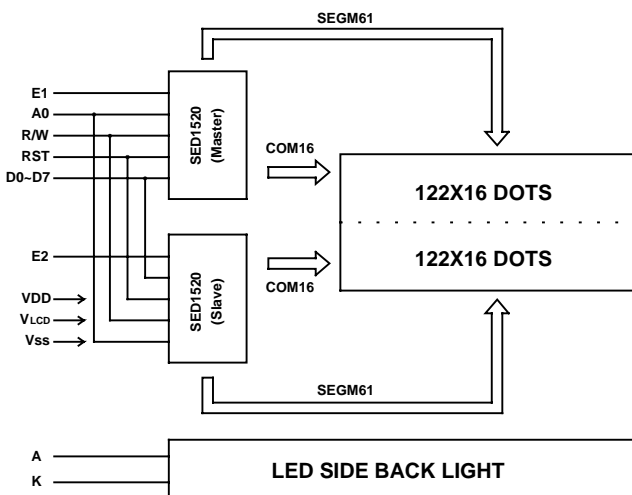
① EXTERNAL DIMENSION



② MECHANICAL DATA

ITEM	SPECIFICATION	UNIT
Module Size (W X H X T)	65.40 X 29.10 X 5.50	mm
Viewing Area (W X H)	54.80 X 19.10	mm
Internal Area (W X H)	48.76 X 15.32	mm
Dot Pitch (W X H)	0.45 X 0.40	mm
Dot Size (W X H)	0.41 X 0.36	mm
Number of dots	122 X 32	dots

④ BLOCK DIAGRAM



③ PIN CONFIGURATION

ITEM	SYMBOL	DESCRIPTION
1	VDD	Power Supply for Logic (+3v)
2	VSS	Ground
3	VLCD	Power Supply for LCD (-2.1V ~ -3.5V)
4	RES	Resets The System
5	E1	Read/Write Enable Signal (Master)
6	E2	Read/Write Enable Signal (Slave)
7	R/W	Read/Write Select Signal
8	A0	Selects Display Data ("H") or Instructions("L")
9	D0	Display Data Signal
10	D1	
11	D2	
12	D3	
13	D4	
14	D5	
15	D6	
16	D7	
17	A	Anode of LED
18	K	Cathode of LED

⑤ ABSOLUTE MAXIMUM RATINGS (25°C)

PARAMETER	SYMBOL	Standard Value	UNIT
Power Supply Voltage	VDD-VSS	-8.0 ~ +30	V
LCD Driving Voltage	VDD-VLCD	-16.5 ~ +0.3	V
Input Voltage	VIN	VSS-0.3 to +0.3	V