



FEATURE

- 1. STN, Positive, Transflective**
- 2. IC: Samsung S6B0723TB-01**
- 3. 1/64Duty, 1/9Bias, 6 O'clock**
- 4. Backlight: LED(Yellow-Green), Display dot: Dark Blue, Background: Yellow-Green**

Pin NO	Symbol	Function	
1	V0(V5)	LCD driver supply voltages	
2-5	V4~V1		
6	VRS		No used
7	CAP2+		Capacitor 2 positive connection pin for voltage converter
8	CAP2-		Capacitor 2 negative connection pin for voltage converter
9	CAP1-	Capacitor 1 negative connection pin for voltage converter	
10	CAP1+	Capacitor 1 positive connection pin for voltage converter	
11	VOUT	Voltage converter input/output pin	
12	VSS	Ground	
13	VDD	Power supply	
14	SI	Serial input data	
15	SCL	Serial input clock	
16	/RD	Read/Write execution control pin	
17	/WR		
18	A0	Register select input pin	
19	/RESET	Reset input pin	
20	/CS1	Chip select input pins Data/ instruction I/O is enabled only when CS1B is "L"	

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	87(W) × 102.1(H) × 2.1MAX(T)	mm
Viewing Area	70.7(W) × 38.8(H)	mm
Dot Size	0.48(W) × 0.48(H)	mm
Dot Pitch	0.52(W) × 0.52(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD-VSS	-0.3	-	+7.0	V
Input Voltage	VIN	-0.3	-	VDD+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	V _{IH}	VDD=3.0V±5%	0.8VDD	-	VDD	V
	V _{IL}		0	-	0.2VDD	
Current Consumption	I _{DD}	VDD=3.0V±5% V0-VSS=8.5V F _{flm} =7.5Hz	-	0.06	2.0	mA
Logic Supply Voltage	VDD-VSS	Ta=0~50°C	2.4	3.0	3.6	V
LCD Drive Voltage	V _{op} =V0 -VSS	Ta=25°C	8.0	8.5	9.0	V
Frame Frequency	f _{FLM}	VDD=3.0V±5%	65	75	85	Hz