

# LMG-S12864028

128 Dots X 64 Dots

1/64 Duty

1/9 Bias

FEATURE	
LCD TYPE	STN , FSTN
LCM CONTROLLER IC	S6B1713
LCM BACKLIGHT TYPE	LED
POWER SUPPLY FOR LCM	DC +3.3V
LED BACKLIGHT INPUT	DC +3.3V
LCM DIMENSION	58.0 (W) x 39.5 (H) mm
LCM VIEWING	53.0 (W) x 27.5 (H) mm
ACTIVE DISPLAY AREA	47.33 (W) x 23.65 (H) mm
LCD DOT SIZE	0.34 (W) x 0.34 (H) mm
LCD DOT PITCH	0.37 (W) x 0.37 (H) mm

INTERFACE PIN CONNECTIONS			
NO.	SYM.	LEVEL	FUNCTION
1	N.C	--	--
2~6	V4~V0	--	Power supply for LCD Driver
7	C2-	--	DC/DC voltage converter(CAP2-)
8	C2+	--	DC/DC voltage converter(CAP2+)
9	C1-	--	DC/DC voltage converter(CAP1-)
10	C1+	--	DC/DC voltage converter(CAP1+)
11	C3-	--	DC/DC voltage converter(CAP3-)
12	C3+	--	DC/DC voltage converter(CAP3+)
13	VOUT	--	DC/DC voltage converter
14	VDD	--	Power Supply terminal VCC.
15	VSS	--	GND.
16	PS	H/L	H: Parallel , L: Serial data input
17	MI	H/L	H: 6800 ; L: 8080
18	DB7(SI)	H/L	Serial data input (SI)
19	DB6(SCL)	H/L	the serial clock input (SCL)
20~25	DB5~DB0	H/L	Data Bit 5~0
26	E (RD)	L	6800: E ; 8080 : /RD
27	R/W (/WE)	L	6800: R/W ; 8080 : /WR
28	RS	H/L	H: Display data ; L: Control data
29	/RES	L	Reset signal
30	/CS1	L	The chip select signal

ELECTRICAL						
ITEM	SYM.	CONDITION	MIN.	TYP.	MAX	UNIT
Supply Voltage For Logic	V <sub>DD</sub> -V <sub>SS</sub>	Ta=25°C	2.4	3.3	3.6	V
Supply Voltage For LCD Driver	V <sub>LCD</sub>	Ta=25°C	8.4	8.7	9.0	V
Input High Voltage	V <sub>IH</sub>	--	0.8V <sub>DD</sub>	--	V <sub>DD</sub>	V
Input Low Voltage	V <sub>IL</sub>	--	0	--	0.2V <sub>DD</sub>	V
Supply Current For Logic	I <sub>DD</sub>	--	--	0.5	--	mA
LED Current	I <sub>F</sub>	Ta=25°C	--	39	60	mA
OPERATING TEMP.	T <sub>OP</sub>	--	-20	--	+70	°C
STORAGE TEMP.	T <sub>SP</sub>	--	-30	--	+80	°C

