LMG-S12812801 | 128 Dots X 128 Dots | 1/128 Duty | 1/12 Bias

FEATURE

LCD TYPE	STN , FSTN	
LCM CONTROLLER IC	ST7528	
LCM BACKLIGHT TYPE	LED	
POWER SUPPLY FOR LCM	DC +3.0V	
LED BACKLIGHT INPUT	DC +3.3V	
LCM DIMENSION	81.4 (W) X 63.1 (H)	mm
LCM VIEWING	61.3 (W) X 49.0 (H)	mm
ACTIVE DISPLAY AREA	44.78 (W) X 44.78 (H)	mm
LCD DOT SIZE	0.33 (W) X 0.33 (H)	mm
LCD DOT PITCH	0.35 (W) X 0.35 (H)	mm

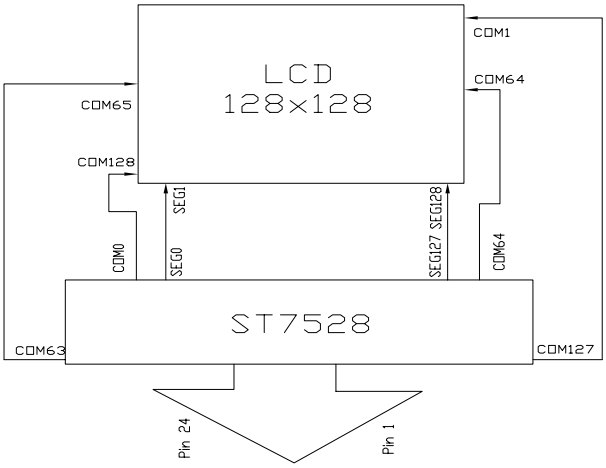
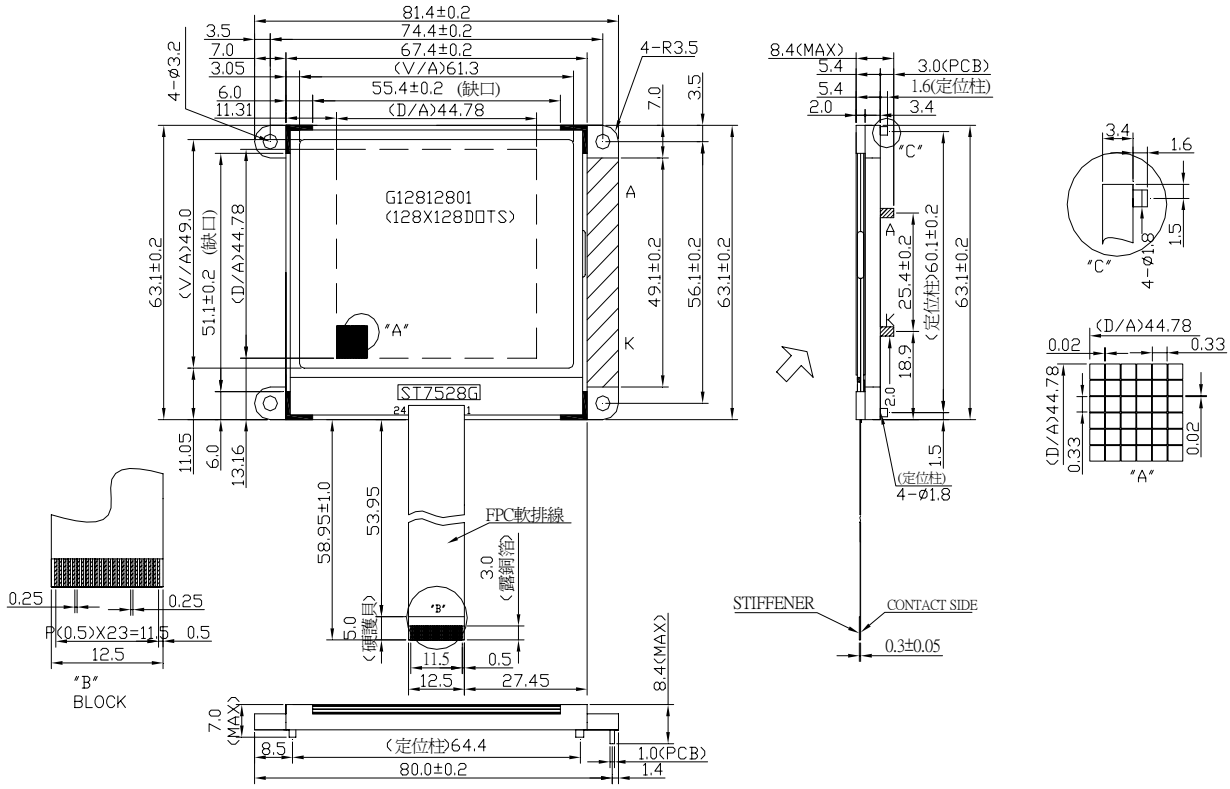
ELECTRICAL

ITEM	SYM.	CONDITION	MIN.	TYP.	MAX	UNIT
Supply Voltage For Logic	V_{DD}-V_{SS}	Ta=25℃	2.4	3.0	3.3	V
Supply Voltage For LCD Driver	V_{LCD}	Ta=25℃	11.7	12.0	12.3	V
Input High Voltage	V_{IH}	--	$0.7V_{DD}$	--	V_{DD}	V
Input Low Voltage	V_{IL}	--	0	--	$0.3V_{DD}$	V
Supply Current For Logic	I_{DD}	--	--	2.0	--	mA
LED Current	I_F	Ta=25℃	--	91	140	mA
OPERATING TEMP.	T_{OP}	--	-20	--	+70	℃
STORAGE TEMP.	T_{SP}	--	-30	--	+80	℃

INTERFACE PIN CONNECTIONS

NO.	SYM.	LEVEL	FUNCTION
1	PS0	H/L	Interface Mode Select
2	PS1	H/L	Interface Mode Select
3	PS2	H/L	Interface Mode Select
4	CSB	L	CHIP ENABLE SIGNAL
5	RESET	L	CONTROLLER RESET
6	A0	H/L	A0 = H : Data, A0= L : Command
7	RW_WR	L	68 Series : RW ; 80 Series : /WR
8	E_RD	L	68 Series : E ; 80 Series : /RD
9	DB0	H/L	DATA BIT0
10	DB1	H/L	DATA BIT1
11	DB2	H/L	DATA BIT2
12	DB3	H/L	DATA BIT3
13	DB4	H/L	DATA BIT4
14	DB5	H/L	DATA BIT5
15	DB6	H/L	DATA BIT6
16	DB7	H/L	DATA BIT7
17	VDD	—	DC +3.0V
18	VSS	--	DC 0V
19	VOUT	--	LCD Driver Supply Voltages
20	V4	--	LCD Driver Supply Voltages
21	V3	--	LCD Driver Supply Voltages
22	V2	--	LCD Driver Supply Voltages
23	V1	--	LCD Driver Supply Voltages
24	V0	--	LCD Driver Supply Voltages

BLOCK DIAGRAM



DIMENSIONAL DRAWING