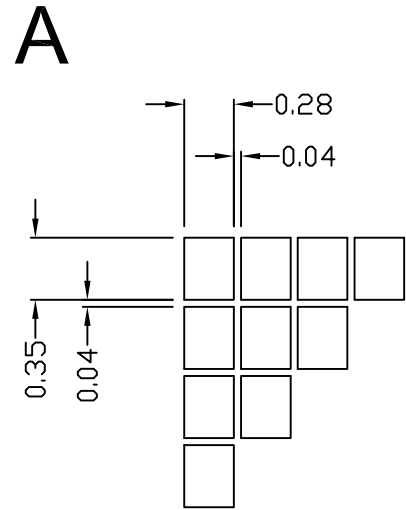
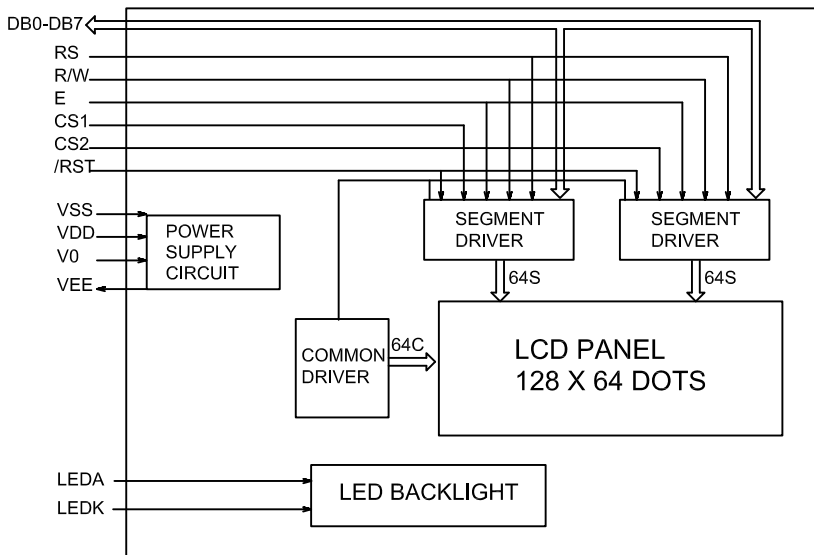
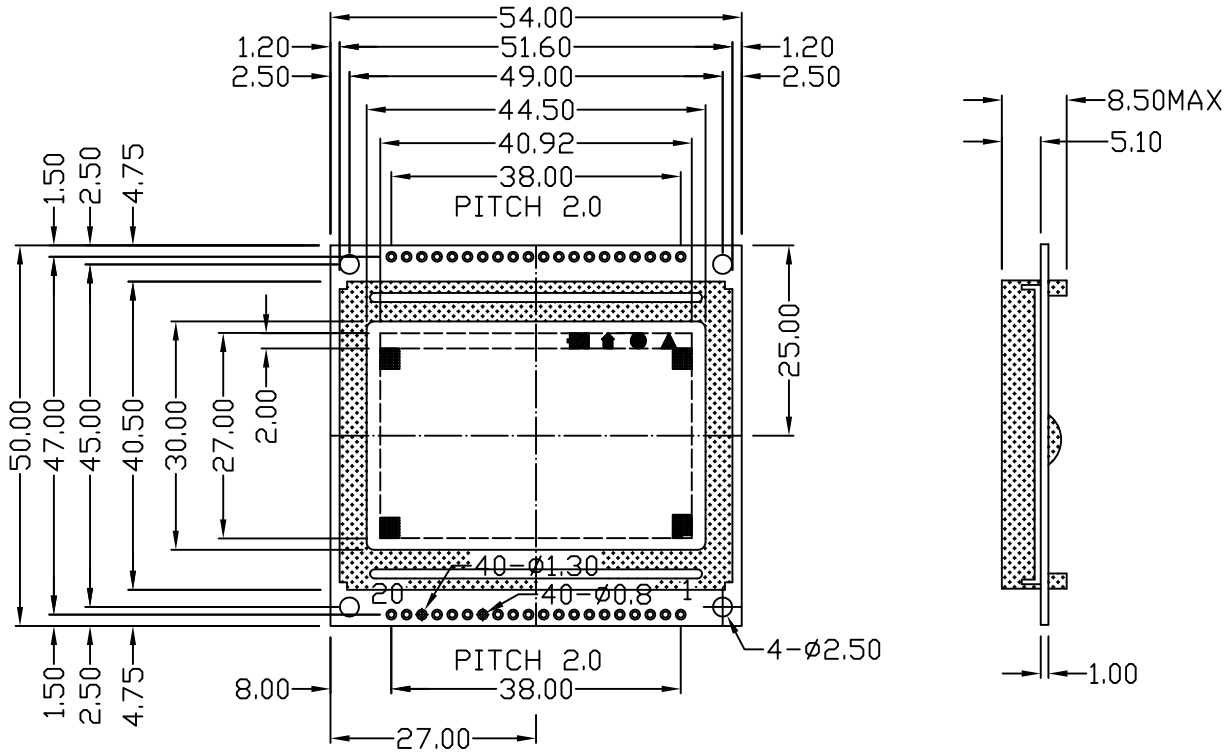


LINK-SUN (HONG KONG) ELECTRONICS LTD

Model No: LSM12864-4



PINS ASSIGNMENT		
NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	RS	DATA/INSTRUCTION SELECT
5	R/W	READ/WRITE SELECT
6	E	ENABLE SIGNAL
7-14	DB0-DB7	DATA BUS
15	/CS1	CHIP SELECT OF IC1 (LOW EFFECTIVE)
16	/CS2	CHIP SELECT OF IC2 (LOW EFFECTIVE)
17	/RST	RESET SIGNAL(LOW EFFECTIVE)
18	VEE	NEGATIVE VOLTAGE OUTPUT/INPUT
19	LEDA	POWER SUPPLY FOR LED BACKLIGHT +
20	LEDK	POWER SUPPLY FOR LED BACKLIGHT -

- OPTIONS**
- LCD TYPE: Y/G STN;
 - BACKLIGHT: SIDE LED BACKLIGHT
 - COLOR OF BACKLIGHT: Y/G; BLUE; WHITE
 - TEMPERATURE RANGE: NORMAL(0-50C); EXTENDED(-20-70C)
 - POWER SUPPLY: ON BOARD DC/DC(SINGLE 5.0V/3.3V); DUAL POWER SUPPLY(5.0V/3.3V & -10.0V)
 - VIEWING ANGLE: 6H;

ELECTRICAL CHARACTERISTICS						
ITEM	SYMBOL	MIN	TYP	MAX	UNIT	
VOLTAGE FOR LOGIC	VDD-VSS	2.8	3.3	3.5	V	
SUPPLY CURRENT	IDD	-	5.1	9.8	mA	
LCD OPERATING VOLTAGE	VDD-V0	0C	-	9.2	-	V
		25C	-	9.0	-	V
		40C	-	8.8	-	V
INPUT VOLTAGE	H	ViH	0.7VDD	-	VDD	V
	L	ViL	0	-	0.3VDD	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	54.0W x 50.0H x 8.5T	MM
VIEWING AREA	44.5W x 30.0H	MM
DOT NUMBER	128 x 64	DOTS
DOT SIZE	0.28W x 0.35H	MM
DOT PITCH	0.32W x 0.39H	MM

ABSOLUTE MAXIMUM RATING				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	6.5	V
POWER SUPPLY(LCD DRV.)	VDD-V0	0	18.0	V
INPUT VOLTAGE	Vi	Vi	VDD	V