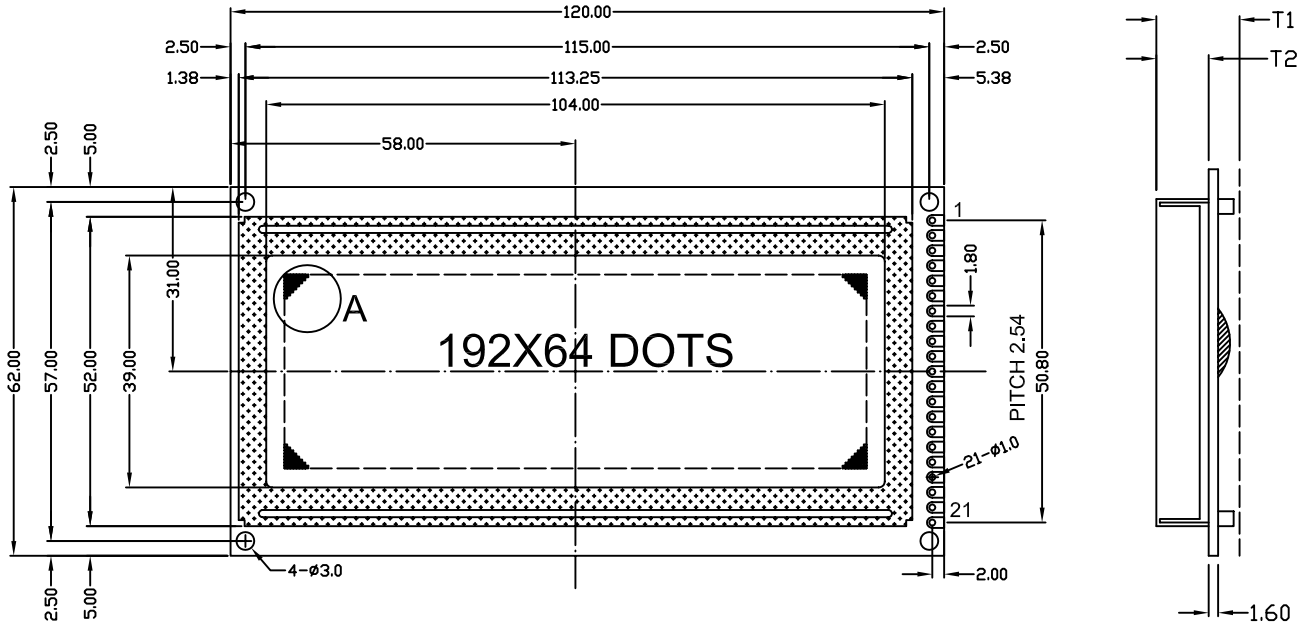
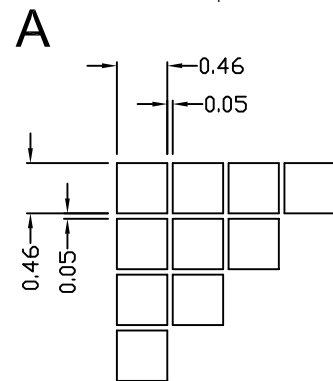
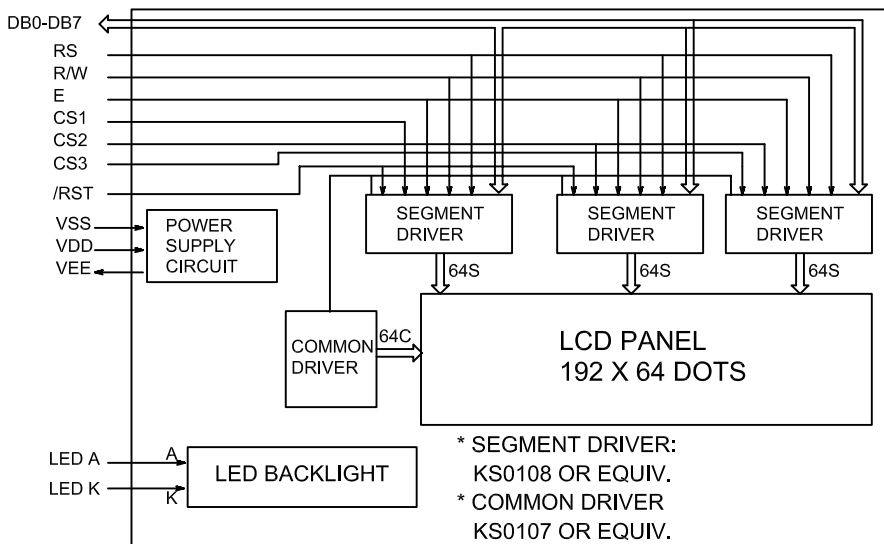


# LINK-SUN (HONG KONG) ELECTRONICS LTD

## Model No: LSM19264-3



\* FOR LED BACKLIGHT  
T1=14.0MAX T2=9.0±0.3  
\* FOR EL OR NO BACKLIGHT  
T1=11.0MAX T2=6.0±0.3



PINS ASSIGNMENT		
NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	VEE	NEGATIVE VOLTAGE OUTPUT/INPUT(-10V)
5	RS	DATA/INSTRUCTION SELECT
6	R/W	READ/WRITE SELECT
7	E	ENABLE SIGNAL
8-15	DB0-DB7	DATA BUS
16	/CS1	CHIP SELECT OF IC1 (LOW EFFECTIVE)
17	/CS2	CHIP SELECT OF IC2 (LOW EFFECTIVE)
18	/CS3	CHIP SELECT OF IC3 (LOW EFFECTIVE)
19	/RST	RESET SIGNAL(LOW EFFECTIVE)
20	A	POWER SUPPLY FOR LED B.L.(+)
21	K	POWER SUPPLY FOR LED B.L.(-)

OPTIONS	
1.	LCD TYPE: Y/G STN; GRAY STN; B/W FSTN
2.	BACKLIGHT: WITHOUT BACKLIGHT; LED; EL
3.	COLOR OF BACKLIGHT: Y/G; BLUE; WHITE
4.	TEMPERATURE RANGE: NORMAL(0-50C); EXTENDED(-20-70C)
5.	POWER SUPPLY: ON BOARD DC/DC(SINGLE 5.0V); DUAL POWER SUPPLY(5.0V & -10.0V)
6.	VIEWING ANGLE: 6H; 12H

ELECTRICAL CHARACTERISTICS					
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	4.75	5.0	5.25	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	120.0W x 62.0H x 14.0T(10.0T)	MM
VIEWING AREA	104.0W x 39.0H	MM
DOT NUMBER	192 x 64	DOTS
DOT SIZE	0.46W x 0.46H	MM
DOT PITCH	0.51W x 0.51H	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