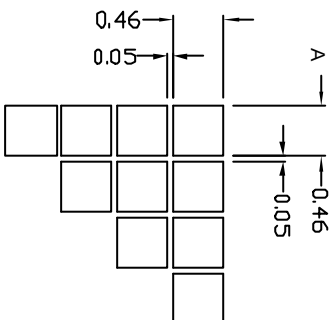
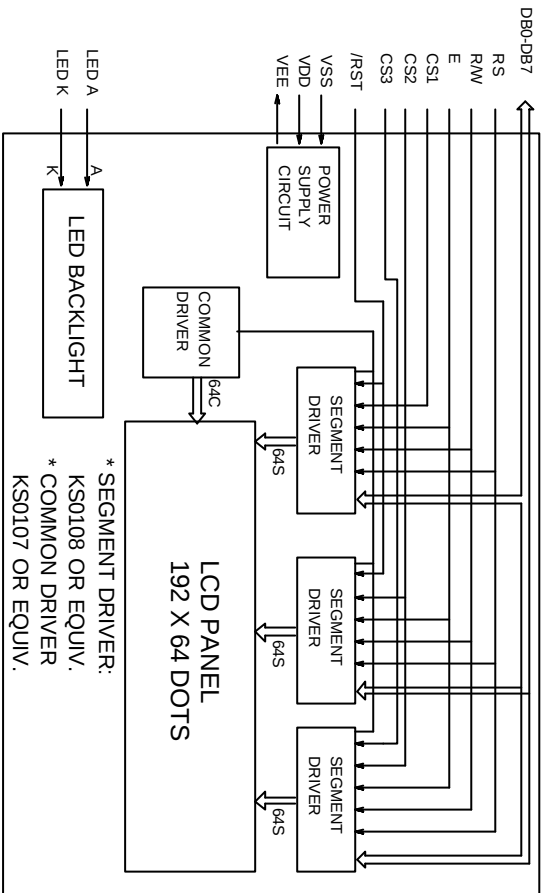
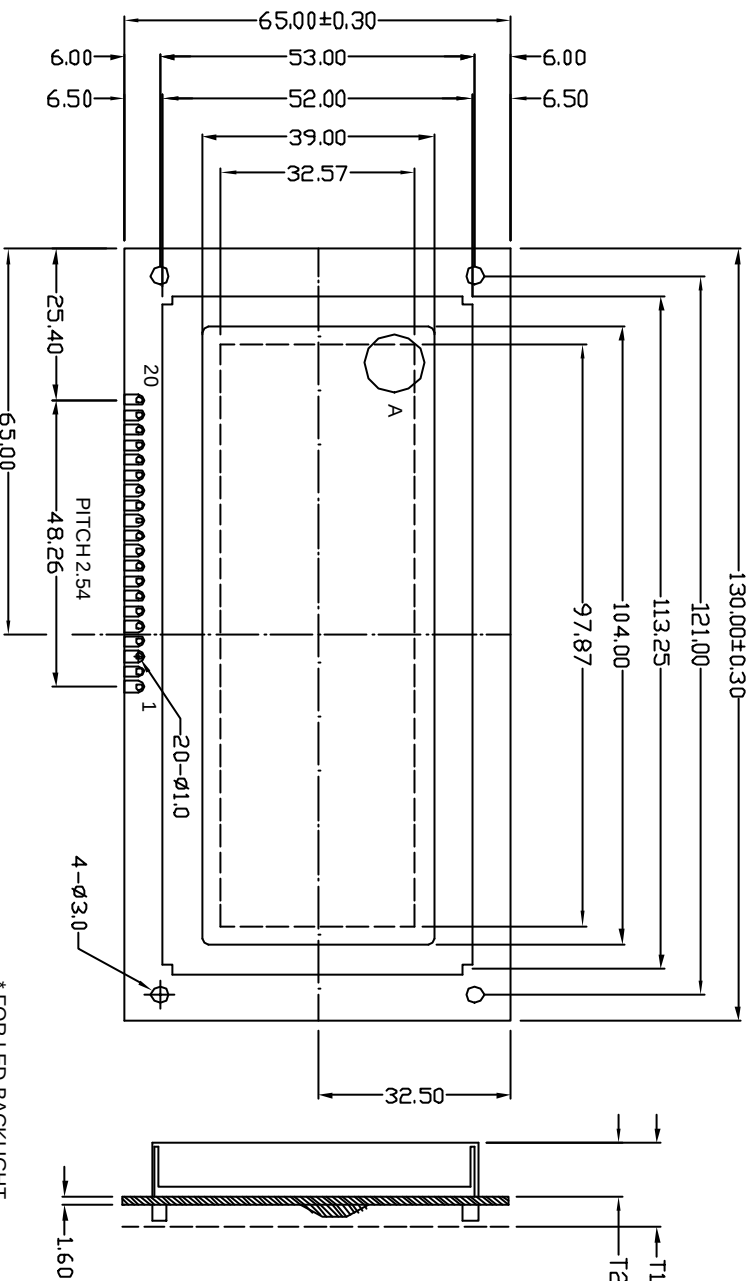




* FOR LED BACKLIGHT
T1=14.0MAX T2=9.0±0.3
* FOR EL OR NO BACKLIGHT
T1=11.0MAX T2=6.0±0.3

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	01/06/18	NLV	NEW RELEASE

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	RW READ/WRITE SELECT
6	E ENABLE SIGNAL
7-14	DB0-DB7 DATA BUS
15	CS1 CHIP SELECT OF IC1 (HIGH EFFECTIVE)
16	/RST RESET SIGNAL(LOW EFFECTIVE)
15	CS2 CHIP SELECT OF IC2 (HIGH EFFECTIVE)
15	CS3 CHIP SELECT OF IC3 (HIGH EFFECTIVE)
19	VEE NEGATIVE VOLTAGE OUTPUT(OUTPUT(-10V)
20	A POWER SUPPLY FOR LED B.L.(+5.0V)

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	VI	V

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				
0°C	-	-	9.2	- V
25°C	VDD-V0	-	9.0	- V
40°C	-	-	8.8	- V
INPUT VOLTAGE				
H	VH	0.7VDD	-	VDD V
L	VIL	0	-	0.3VDD V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	130.00V X 65.00H 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

OPTIONS	
1. LCD TYPE:	Y/G STN; GRAY STN; BW 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

NLV-G192642A

192 X 64 DOTS GRAPHIC LCM



奈立微科技有限公司

NLV, YOUR SUPPLIER, AND YOUR PARTNER!

ALL DIMENSIONS ARE IN MM. TOLERANCE IS +/-0.2 UNLESS OTHERWISE NOTED.

