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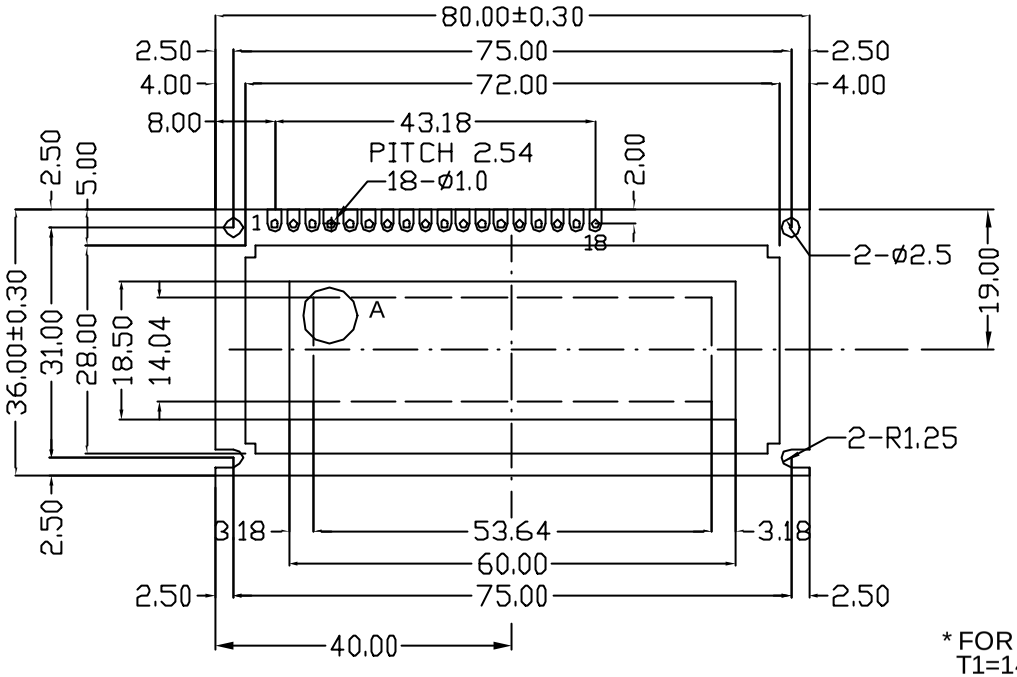
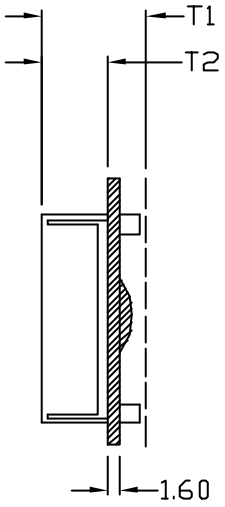
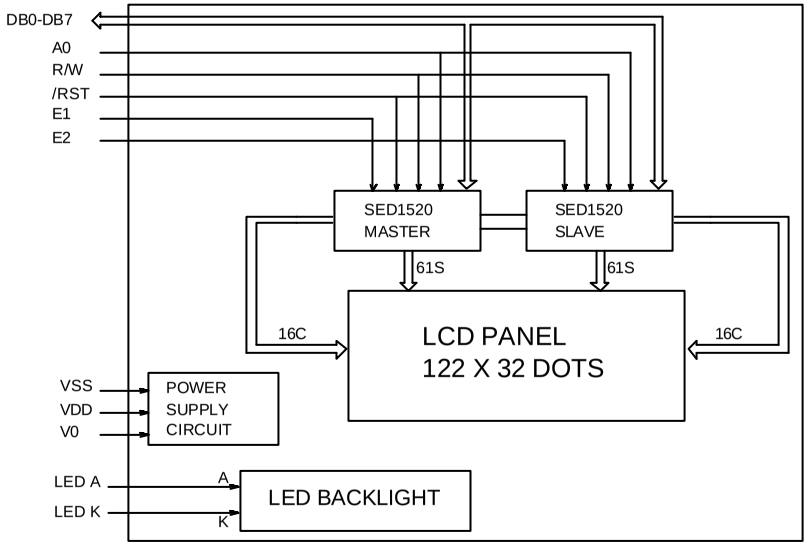
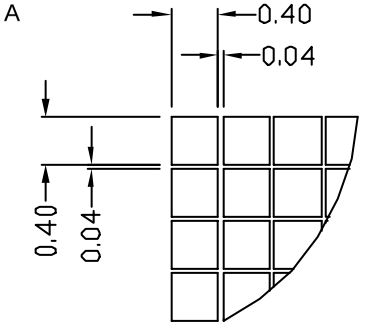




* FOR LED BACKLIGHT
T1=14.0MAX T2=9.0± 0.3

* 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.	SYSBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	V0	OPERATING VOLTAGE FOR LCD
4	A0	DATA/INSTRUCTION SELECT
5	E1	READ/WRITE ENABLE SIGNAL(MASTER)
6	E2	READ/WRITE ENABLE SIGNAL(SLAVE)
7	R/W	READ/WRITE SELECT
8--15	DB0--DB7	DATA BUS
16	/RST	RESET SIGNAL(LOW EFFECTIVE)
17	A	POWER SUPPLY FOR LED BACKLIGHT(+)
18	K	POWER SUPPLY FOR LED BACKLIGHT(-)

ABSOLUTE MAXIMUM RATING				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	6.5	V
POWER SUPPLY(LCD DRV.)	VDD-V0	0	10.0	V
INPUT VOLTAGE	Vi	Vi	VDD	V

ELECTRICAL CHARACTERISTICS						
ITEM		SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC		VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT		IDD	-	300	500	uA
LCD OPERATING VOLTAGE	0C	VDD-V0	-	6.2	-	V
	25C		-	5.8	-	V
	40C		-	5.6	-	V
INPUT VOLTAGE	H	ViH	0.8VDD	-	VDD	V
	L	ViL	0		0.2VDD	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	80.0W x 36.OH x 14.0T(10.0T)	MM
VIEWING AREA	60.0W x 18.5H	MM
DOT NUMBER	122 x 32	DOTS
DOT SIZE	0.40W x 0.40H	MM
DOT PITCH	0.44W x 0.44H	MM

OPTIONS

1. LCD TYPE: Y/G STN; GRAY STN;
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 & -5.0V)
6. VIEWING ANGLE: 6H; 12H

NLV-G122321A

122 X 32 DOTS GRAPHIC LCM

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

泰立微科技有限公司
NLV, YOUR SUPPLIER, AND YOUR PARTNER!