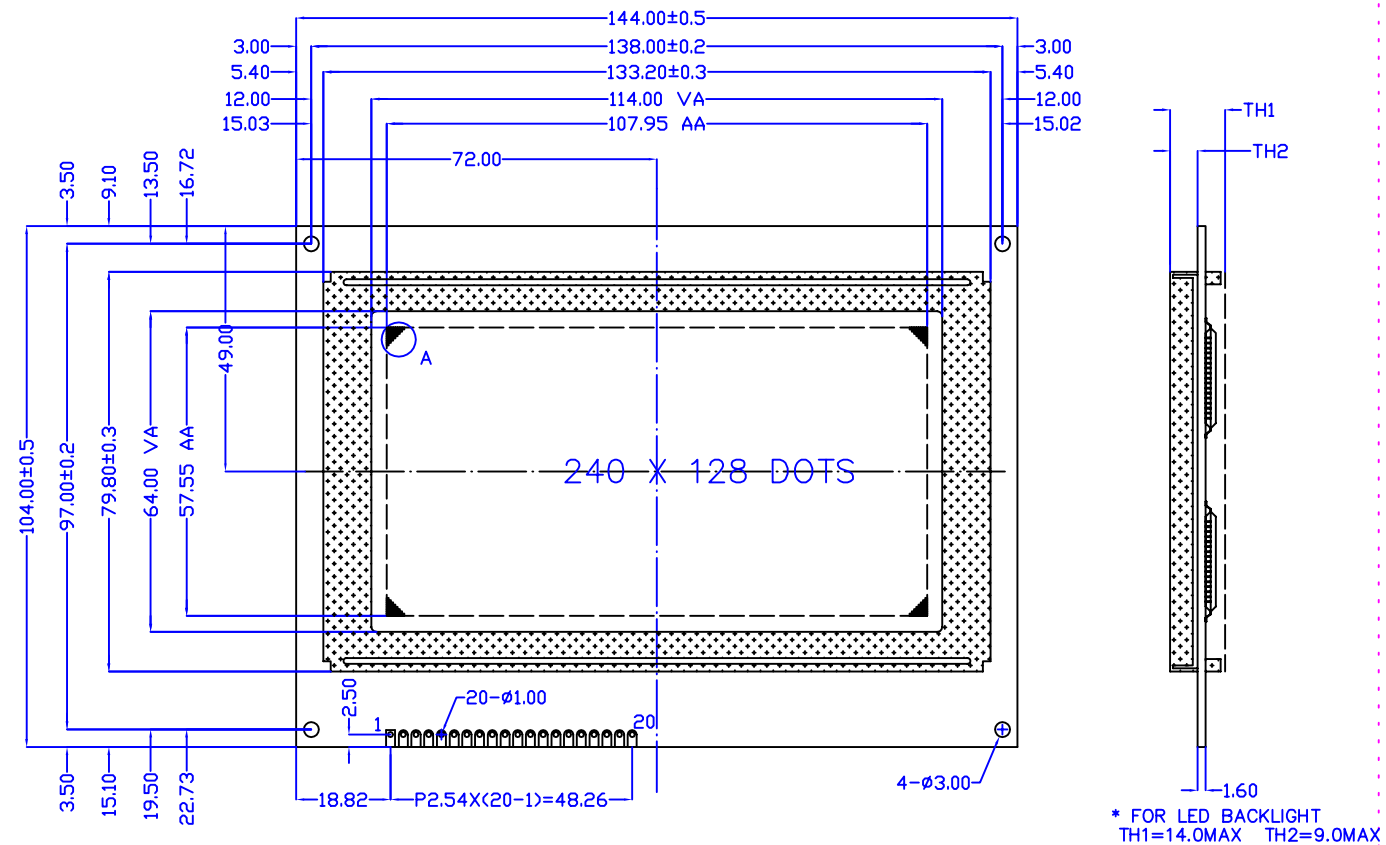
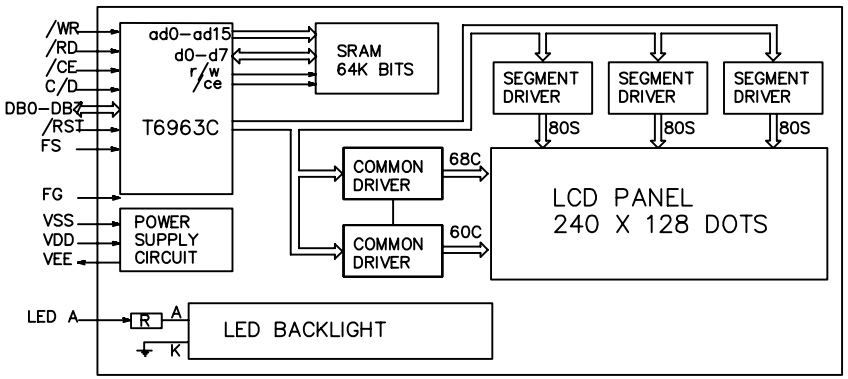
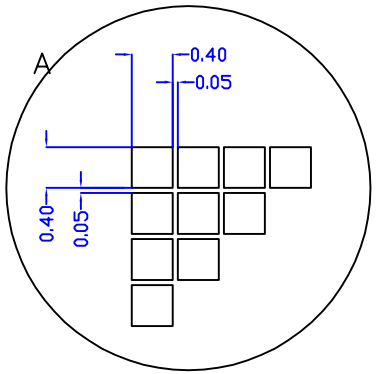
NELY TECH CO.,LTD. WWW.NELYTECH.COM



* FOR LED BACKLIGHT
TH1=14.0MAX TH2=9.0MAX
* FOR EL OR NO BACKLIGHT
TH1=11.0MAX TH2=6.0MAX





REVISIONS

NO.	DATE	BY	DESCRIPTION
1	01/06/18	A.CH	NEW RELEASE

PINS ASSIGNMENT

NO.	SYSBOL	DESCRIPTION
1	FG	FRAME GROUND
2	VSS	GROUND
3	VDD	POWER SUPPLY FOR LOGIC AND LCD
4	V0	OPERATING VOLTAGE FOR LCD
5	/WR	DATA WRITE
6	/RD	DATA READ
7	/CE	CHIP ENABLE FOR T6963C
8	C/D	COMMAND/DATA SELECTION
9	/RST	RESET T6963C (LOW EFFECTIVE)
10--17	DB0--DB7	DATA BUS
18	FS	FONT SELECTION (L:8X8, H:6X8)
19	LED A	POWER SUPPLY FOR LED BACKLIGHT (+)
20	VEE	ON CHIP DC/DC OUTPUT(-10V)

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

ELECTRICAL CHARACTERISTICS

ITEM		SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC		VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT		IDD	-	12.0	-	mA
LCD OPERATING VOLTAGE	0C	VDD-V0	-	16.0	-	V
	25C		-	15.0	-	V
	40C		-	14.0	-	V
INPUT VOLTAGE	H	ViH	0.7VDD	-	VDD	V
	L	ViL	0		0.3VDD	V

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	144.0W x 104.0H x 14.0T(11.0T)	MM
VIEWING ANGLE	133.2Wx64.0H	MM
DOT NUMBER	240 x 128	DOTS
DOT SIZE	0.40W x 0.40H	MM
DOT PITCH	0.45W x 0.45H	MM

OPTIONS

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

NT-G2401281A

240 X 128 DOTS GRAPHIC LCM

ALL DIMENSIONS ARE IN MM. TOLERANCE IS +/-0.
UNLESS OTHERWISE NOTED.

NELY, YOUR SUPPLIER, AND YOUR PARTNER!