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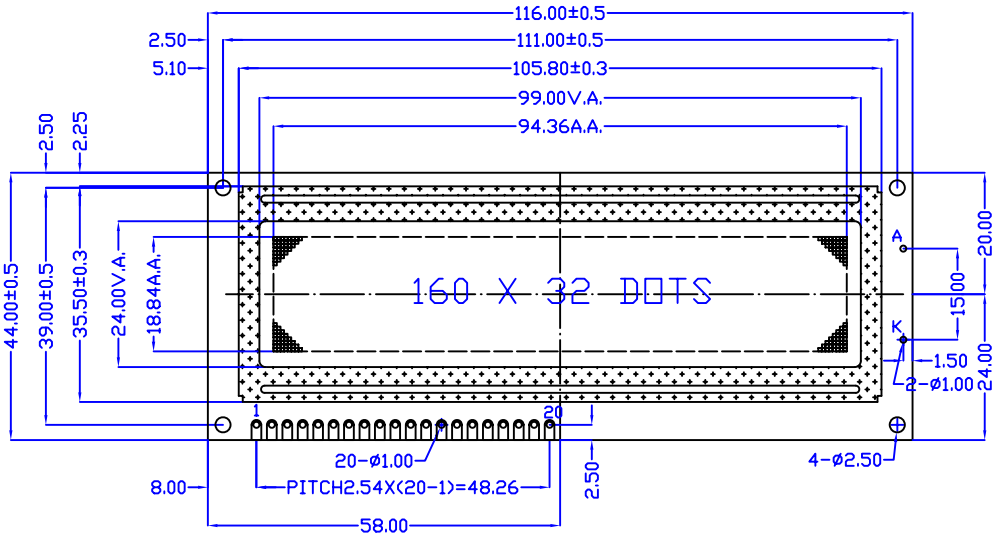
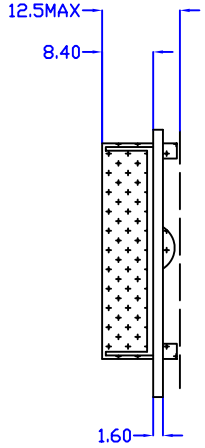
NLV TECH CO. LTD.

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	06/02/12	NLV	NEW RELEASE

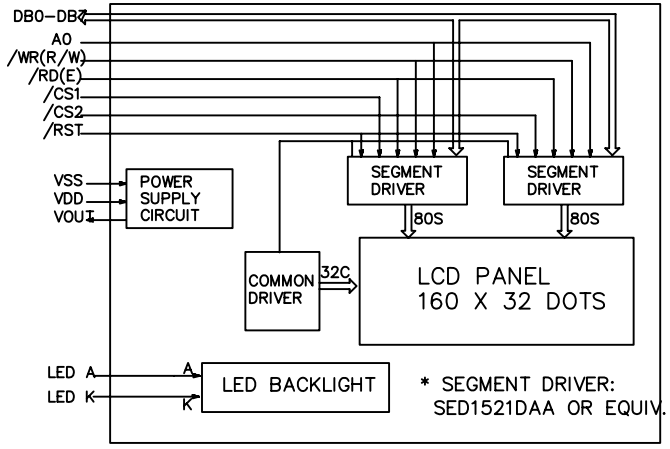


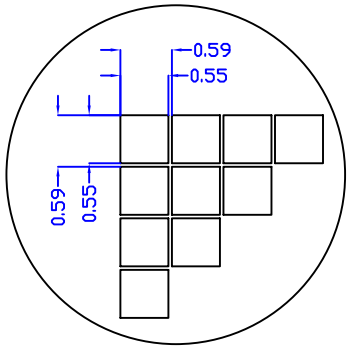


PINS ASSIGNMENT		
NO.	SYSBOL	DESCRIPTION
1	A0	DATA/INSTRUCTION SELECT
2	/CS2	CHIP SELECTION FOR IC2(RIGHT PART)
3	/CS1	CHIP SELECTION FOR IC1(LEFT PART)
4	/RD(E)	READ SIGNAL/ENABLE SIGNAL
5	/WR(R/W)	WRITE SIGNAL // READ/WRITE CONTROL
6	VDD	POWER SUPPLY +5V
7	VSS	GROUND
8-15	DB0-DB7	DATA BUS
16	RST	RESET AND INTERFACE TYPE SELECTION
17	V0	DISPLAY CONTRAST ADJUST
18	VOUT	NEGATIVE VOLTAGE OUTPUT(-5V)
19	A	POWER SUPPLY FOR LED BACKLIGHT +
20	K	POWER SUPPLY FOR LED BACKLIGHT -

ABSOLUTE MAXIMUM RATING				
ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	-0.3	5.5	V
POWER SUPPLY(LCD DRV.)	VLCD	-0.3	7.0	V
INPUT VOLTAGE	Vi	-0.3	VDD	V

ELECTRICAL CHARACTERISTICS (VDD=5.0±0.25V, 25C)						
ITEM		SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC		VDD-VSS	4.75	5.0	5.25	V
SUPPLY CURRENT		IDD	-	0.6	0.8	mA
VOLTAGE FOR LCD		VDD-V0	-	7.2	-	V
INPUT VOLTAGE	H	ViH	2.2	-	VDD	V
	L	ViL	-0.3	-	0.6	V
OUTPUT VOLTAGE	H	VoH	2.4	-	-	V
	L	VoL	-	-	0.4	V





MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	116.0W x 44.0H x 13.5T	MM
VIEWING AREA	99.0W x 24.0H	MM
DOTS	160 X 32	
DOT SIZE	0.55W x 0.55H	MM
DOT PITCH	0.59W x 0.59H	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: 5.0V; 3.0V
6. VIEWING ANGLE: 6H; 12H

NLV-G160322A

160 X 32 DOTS GRAPHICS 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!