



NO.	DATE	BY	DESCRIPTION
1	09/07/16	NLV	NEW RELEASE

CN1 PINS ASSIGNMENT			
NO.	SYMBOL	DESCRIPTION	
1	SW5+	POWER SUPPLY FOR LED B.L.(+5.0V)	
2	LEDA	NEGATIVE VOLTAGE INPUT(-10V)	
3	VEE	POWER SUPPLY FOR LOGIC AND LCD	
4	VDD	GROUND	
5	VSS	BACKLIGHT ON/OFF CONTROL	
6	K-CTRL	DATA INPUT FOR COMMAND DRIVER	
7	FLM	ALTERNATE VOLTAGE INPUT	
8	M	LATCH PULSE	
9	LP	SHIFT PULSE	
10	CP	DB0--DB3 DATA BUS	
11-14		CN2 PINS ASSIGNMENT	
1	LEDA	SW2+	SW8+
2	LED1-	SW3+	VSS
3	LED2-	SW4+	
4	LED3-	SW6+	
5	SW1+	SW7+	

ABSOLUTE MAXIMUM RATING			
ITEM	SYMBOL	MIN	MAX
POWER SUPPLY(LOGIC)	VDD-VSS	0	5.5
POWER SUPPLY(LCD DRV.)	VDD-VEE	0	28.0
INPUT VOLTAGE	VI	VI	VDD

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	-	9.0V	-	V
INPUT VOLTAGE	H	VH	0.7VDD	-	V
	L	VIL	0	0.3VDD	V
VOLTAGE FOR LED B.L	VI	4.0	4.10	4.40	V

MECHANICAL SPECIFICATIONS		
ITEM	SPECIFICATION	UNIT
OVERALL SIZE	96.0W x 84.0H x 13.0T	MM
VIEWING AREA	56.0W x 29.0H	MM
DOT NUMBER	128 x55	DOTS
DOT SIZE	0.35W x 0.40H	MM
DOT PITCH	0.39W x 0.44H	MM

OPTIONS	
1.	LCD TYPE: GRAY STN, TRANSPARENT
2.	BACKLIGHT: LED
3.	COLOR OF BACKLIGHT: YELLOW/GREEN
4.	TEMPERATURE RANGE: EXTENDED(-20---70C)
5.	POWER SUPPLY: 5.0V
6.	VIEWING ANGLE: 6H

NLV-G128551A 128 X 55 DOTS GRAPHIC LCM



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

