

FEATURE										
1. 5 x 8 dots with cursor										
2. Display format: 16 characters x 2 lines										
3. LCD type: FSTN/STN /TN										
4.LCD controller: S6A0069										
5.LCD colour: Blue/Gray/Yellow-Green										

ABSOLUTE MAXIMUM RATINGS												
ITEM	SYMBOI	MIN	MAX	UNIT								
Power suply(logic)	Vdd	-0. 3	5. 5	V								
Power suply(lcd)	VLCD	0	4.9	V								
Input voltage	Vin	-0.3	VDD	V								

Pin Assignment										
Pin no	symbol	Function								
1	Vss	Ground								
2	Vdd	Power Supply for LCM(+)								
3	V0	Contrast Adjust								
4	RS	Register select signal								
5	R/W	Data read / write								
6	Е	Enable signal								
7-14	DB0-DB7	Data bus								
15	A	Power supply for LED BL(+)								
16	K	Power supply for LED BL(-)								

MECHANICAL SPECIFICATIONS											
CHARACTER NUMBER	16 x 2										
OVERALL SIZE	84 x 44	mm									
VIEWING AREA	64 x 16.2	mm									
HOLE-HOLE	76 x 36	mm									
DOT SIZE	0.55x 0.65	mm									
DOT PITCH	0.6 x 0.7	mm									

ELECTRONICAL CHARACTERISTICS													
TOPA	SYMBOL	CONDITION	ST	LINITE									
ITEM	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT							
Power supply voltage for circuit	V _{DD} - V _{SS}		4.75	5	5.25	V							
Power supply voltage for LCD drive	VDD-V0			4.7		V							
LCD display duty ratio	DUTY			1/16									
LED BACKLIGHT	Ifp	I mseo plus 10% Dutg				mA							
		Operating voltage		4.1(YG		V							
		Forward current				mA							
LED Lifetime		VFL=Vrms		100000		Hr							
Power supply LCD current	IEE	VDD-VO= 4.7 V				mA							

DISPLAY CHARACTER ADDRESS CODE																				
Display position:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
Address line1:	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F				
Address line2:	40	41	42	43	44	45	46	47	48	49	4A	4B	BC	4D	4E	4F				