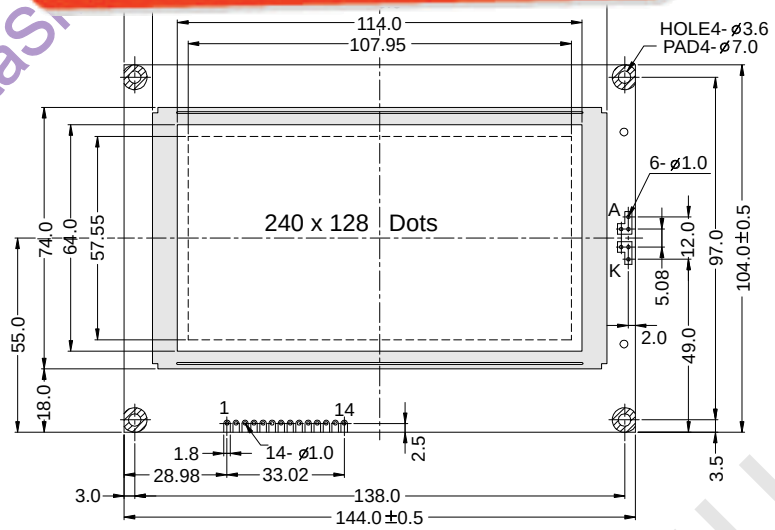
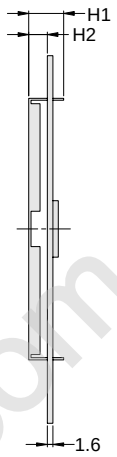
POWERTIP

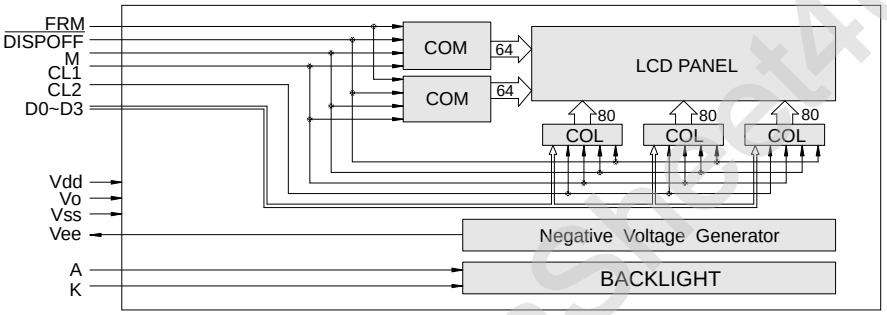
PG 240128-B

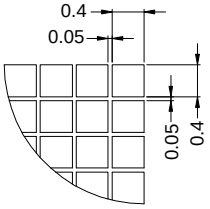
液晶之家 电话: 020-33819057
Http://www.lcdfriends.com

OUTLINE DIMENSION & BLOCK DIAGRAM









The tolerance unless classified ±0.3mm

MECHANICAL SPECIFICATION			
Overall Size	144.0 x 104.0	Module	H2 / H1
View Area	114.0 x 64.0	W /O B/L	5.2 / 9.8
Dot Size	0.40 x 0.40	EL B/L	5.2 / 9.8
Dot Pitch	0.45 x 0.45	LED / CCFL B/L	9.2 / 13.8

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vo	Contrast Adjust
2	Vee	Negative voltage output
3	DB0	Data bus line
4	DB1	Data bus line
5	DB2	Data bus line
6	DB3	Data bus line
7	M	Alternation control signal
8	Vss	Power supply(GND)
9	Vdd	Power supply(+)
10	CL2	Dispaly data input colock
11	CL1	Dispaly data input colock
12	FRM	Shift direction select
13	$\overline{\text{DISPOFF}}$	Column output control
14	FG	Frame ground

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7	V
LCD driving supply voltage	Vdd-Vee	25°C	0	22.0	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

ELECTRICAL CHARACTERISTICS										
Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	Vdd-Vss	25°C	4.5		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	18.8	–	19.8	–	20.8	V
		0°C	12.5	–	13.1	–	13.7	–	V
		25°C	11.7	17.2	12.3	18.1	12.9	19.1	V
		50°C	10.9	–	11.4	–	11.9	–	V
		70°C	–	16.1	–	16.9	–	17.7	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		7		–		mA
Backlight current consumption	LED/edge	VB/L=3.5V	–		120		–		mA
	LED/array	VB/L=4.2V	–		900		–		mA

REMARK

LCD option: STN, TN, FSTN

Backlight Option: LED,EL Backlight feature, other Specs not available on catalog is under request.

www.DataSheet4U.com