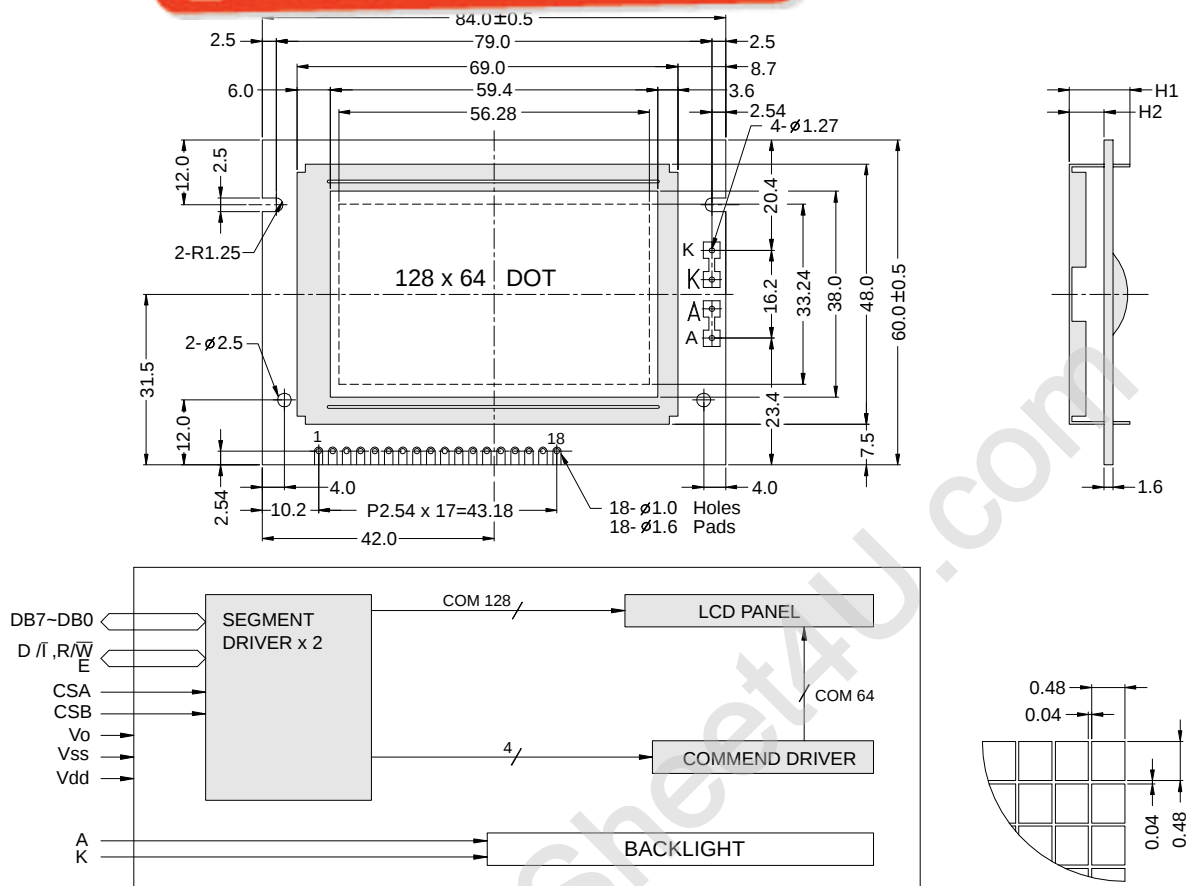
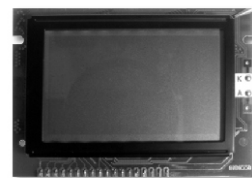


液晶之友 电话: 020-33819057
http://www.lcdfriends.com

OUTLINE DIMENSION & BLOCK DIAGRAM



The tolerance unless classified $\pm 0.3\text{mm}$

MECHANICAL SPECIFICATION			
Overall Size	84.0 x 60.0	Module	H2 / H1
View Area	59.4 x 38.0	W / O B/L	3.6 / 8.2
Dot Size	0.40 x 0.48	EL B/L	3.6 / 8.2
Dot Pitch	0.44 x 0.52	LED B/L	6.3 / 11.0

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1-8	DB0-DB7	Data bus line
9	E	Enable signal
10	R/W	Data read / write
11	D/I	Command /Data select
12	Vo	Contrast Adjust
13	Vdd	Power supply(+)
14	Vss	Power supply(GND)
15	K	Power supply for LED B/L(-)
16	A	Power supply for LED B/L(+)
17	CSA	Chip selection driver 1
18	CSB	Chip selection driver 2

ABSOLUTE MAXIMUM RATING									
Item	Symbol	Condition	Min.		Max.		Units		
Supply for logic voltage	Vdd-Vss	25°C	-0.3		7.0		V		
LCD driving supply voltage	Vdd-Vee	25°C	-0.3		19.0		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	—	14.3	—	14.7	—	15.1	V
		0°C	9.5	—	10	—	10.6	—	V
		25°C	8.8	13.2	9.3	13.6	9.8	14	V
		50°C	8.5	—	9	—	9.5	—	V
		70°C	—	12	—	12.4	—	12.8	V
LCM current consumption (No B/L)	Idd	Vdd=5V	—		1.5		3		mA
Backlight current consumption	LED/edge	VB/L=4.2V	—		100		—		mA
	LED/array	VB/L=4.2V	—		—		—		mA

REMARK

LCD option: STN, TN, FSTN

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

