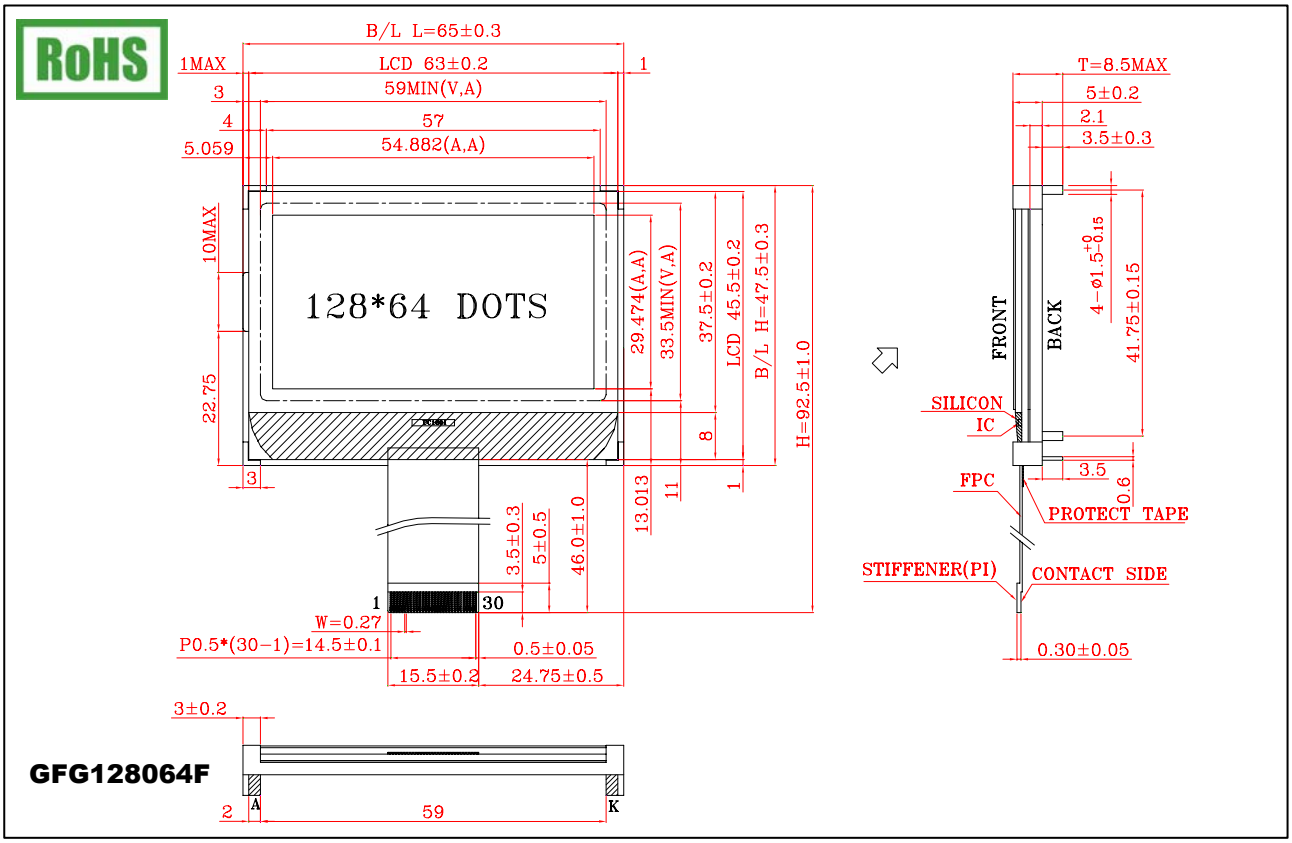

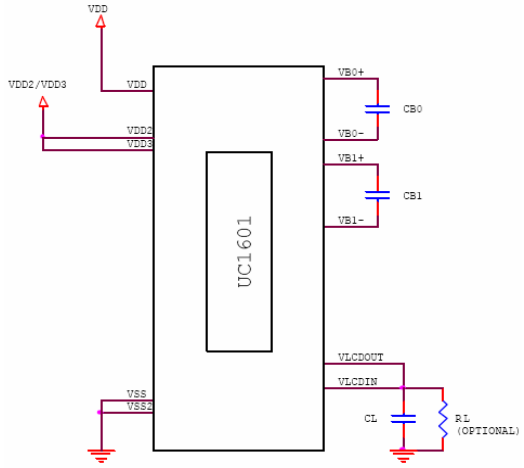

Bus Type		8080	6800	SPI (S8)	SPI (S9)
Control & Data Pins	BM[1:0]	10b	11b	00b	01b
	CS[1:0]	Chip Select			
	CD	Control/Data			–
	WR0	$\overline{WR}$	R/$\overline{W}$	–	
	WR1	$\overline{RD}$	EN	–	
	Access	Read/Write		Write Only	
	D[7:0]	8-bit bus (Tri-state)		D0=SCK, D3=SDA	

* Connect unused control pins and data bus pins to V_{DD} or V_{SS}

Table 4: Host interfaces Choices

Note

- Recommended component values:
  C_B: 100x~200x LCD load capacitance or 1.0uF (2V), whichever is higher.
  C_L: 10nF ~ 30nF (25V) is appropriate for most applications.
  R_L: 10MΩ. Acts as a draining circuit when the power is abnormally shut down.
- The illustrated resistor values are for reference only. Please optimize for specific requirements of each application.

Interface			
Pin no	Symbol	Pin no	Symbol
1	NC	16	D5
2	NC	17	D4
3	NC	18	D3/SDA
4	NC	19	D2
5	VLCD	20	D1
6	VB0+	21	D0/SCK
7	VB0-	22	WR1
8	VB1-	23	WR0
9	VB1+	24	CD
10	VSS	25	RST
11	VDD	26	/CS0
12	BM1	27	NC
13	BM0	28	NC
14	D7	29	NC
15	D6	30	NC

Feature			
Controller	UC1601	Module	65 x 47.5
Duty	1/65 duty	Viewing Area	59 x 33.5
Bias	1/9 bias	Mounting hole	-
B/L	WHITE	Character Size	0.399 x 0.413

Absolute Maximum Rating					
I tem	Symbol	Condition	Min	Max	Units
Supply for logic voltage	Vdd-Vss	25°c	-0.3	4	V
LCD driving supply voltage	Vdd-Vss	25°c	-0.3	12	V
Input voltage	Vin	25°c	-0.4	Vdd+0.3	V

Electrical Characteristics						
Item	Symbol	Condition	Min.	Typ.	Max.	Units
Power supply voltage	Vdd-Vss	25°c	2.4	-	3.3	V
LCD operation voltage	Vop	25°c	-	10.2	-	V
LED Forward Voltage	VF	25°c	-	3.2	-	V
LED Forward Current	IF	25°c	-	40	-	mA