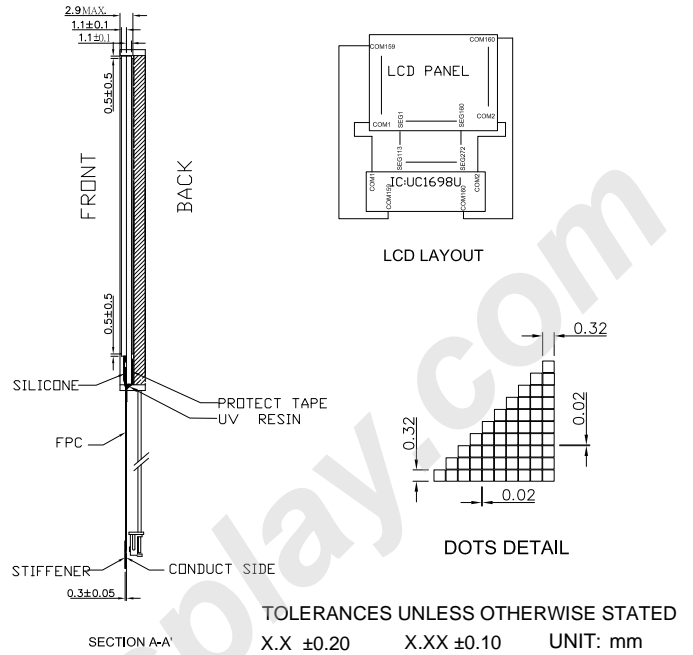
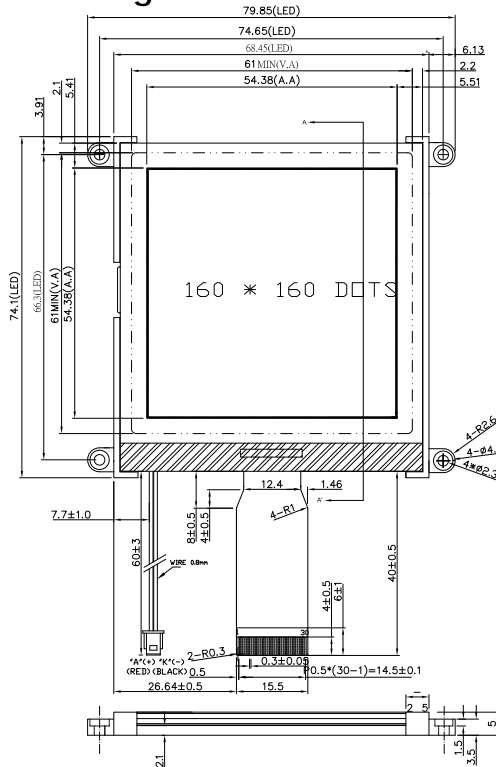


Dimension Drawing



Feature:

1. 160 x 160 dots graphic display
2. Built-in controller UC1698U
3. +3.3V power supply
4. 1/160 Duty cycle
5. STN or FSTN Mode
6. Match all kind colors of LED back light
7. ROHS compliant

Interface Pin Connections

PIN NO.	Symbol	PIN NO.	Symbol
1	NC	16	CS0
2	NC	17	A0
3	VLCD OUT	18	E(/RD)
4	VLCD IN	19	RW(/WR)
5	VS+	20	RST
6	VS-	21	DB0
7	VB0-	22	DB1
8	VB1-	23	DB2
9	VB1+	24	DB3
10	VB0+	25	DB4
11	VDD23	26	DB5
12	VDD	27	DB6
13	VSS	28	DB7
14	BM1	29	NC
15	BM0	30	NC

Mechanical Data

Item	Standard	Unit
Module dimension	79.85 x 74.1	mm
Viewing area	61.0 x 61.0	mm
Dots pitch	0.34 x 0.34	mm
Dots size	0.32 x 0.32	mm

Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	---	4.0	V
Input voltage	Vin	-0.4	---	Vdd+0.5	

Electrical Characteristics

Item	Symbol	Condition	Standard			Unit
			Min	Typ	Max	
Input voltage	VDD	+3.0V	1.8	3.0	3.3	V
Supply current	I _{DD}	VDD=3V	----	135	200	uA
Recommended LCD driving voltage for normal temp version module	V5-VDD (VDD=3V)	-20°C	15.3	----	----	V
		0°C	15.0	15.3	----	
		25°C	14.7	15.0	15.3	
		50°C	----	14.7	15.0	
70°C	----	----	14.7			
LED forward voltage	V _F	25°C	----	3.1	3.3	V
LED forward current	I _F	25°C Edge	----	90	120	mA