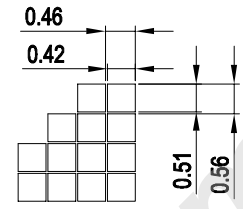
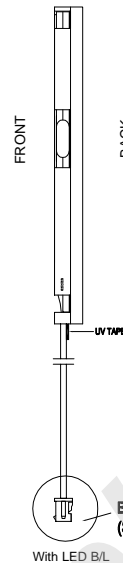
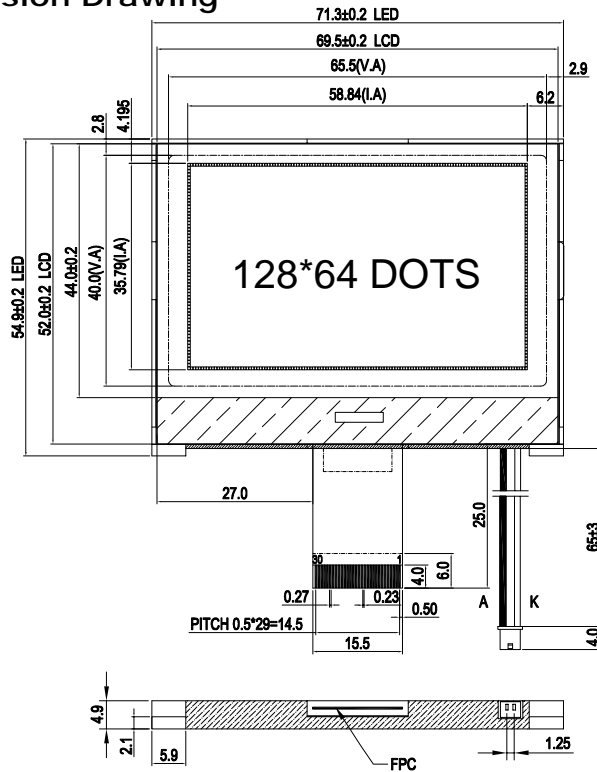


Dimension Drawing



IC	LCD
CD-C83	COMO-COM83
80-S127	SEGO-SEG127

TOLERANCES UNLESS OTHERWISE STATED
X.X ±0.20 X.XX ±0.10 UNIT: mm

Feature:

1. 128 x 64 dots graphic display
2. Built-in controller ST7565P
3. +3.3V or +5.0V power supply
4. 1/64 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	/CS1	16	VOUT
2	/RESETB	17	CAP3-
3	A0	18	CAP1+
4	RW(/WR)	19	CAP1-
5	E(/RD)	20	CAP2-
6	DB0	21	CAP2+
7	DB1	22	V1
8	DB2	23	V2
9	DB3	24	V3
10	DB4	25	V4
11	DB5	26	V5
12	DB6(SCL)	27	VR
13	DB7(SI)	28	C86
14	VDD	29	PS
15	VSS	30	/IRS

Mechanical Data

Item	Standard	Unit
Module dimension	71.3 x 54.9	mm
Viewing area	65.5 x 40.0	mm
Dots pitch	0.46 x 0.56	mm
Dots size	0.42 x 0.51	mm

Absolute Maximum Rating

Item	Symbol	Standard			Unit
		Min	Typ	Max	
Power supply	VDD-VSS	-0.3	---	7.0	V
Input voltage	Vin	0.3	---	Vdd+0.3	

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	----	200	320	uA
Recommended LCD driving voltage for normal temp version module	V5-VDD (VDD=3V)	-20°C	9.8	----	----	V
		0°C	9.5	9.8	----	
		25°C	9.2	9.5	9.8	
		50°C	----	9.2	9.5	
LED forward voltage	V _F	25°C	----	3.1	3.3	V
LED forward current	I _F	25°C Edge	----	60	80	mA