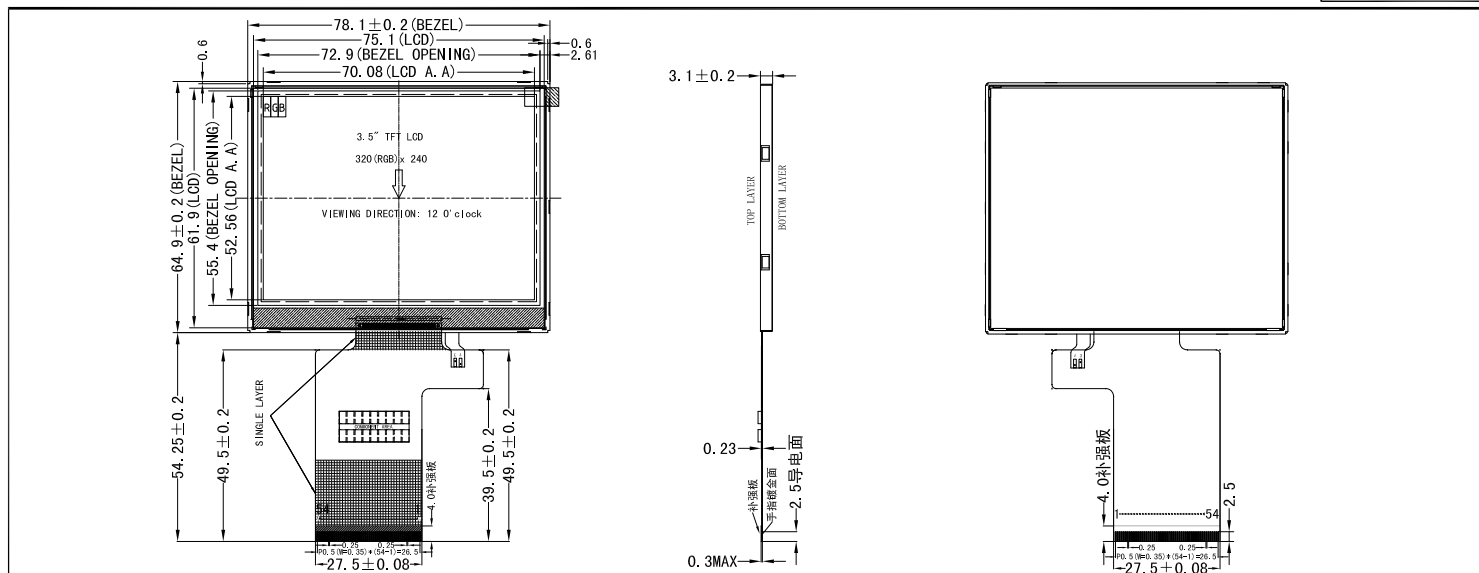
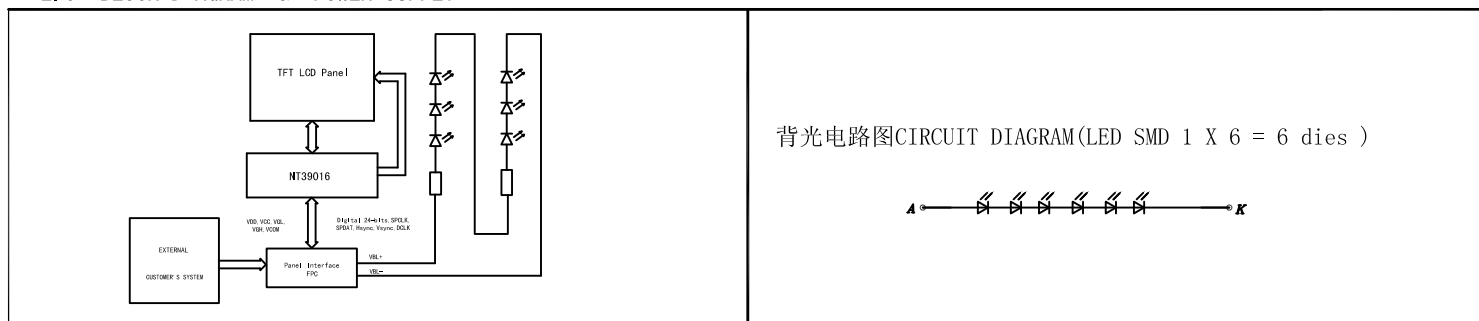


1.0 DIMENSIONAL DRAWING



2.0 BLOCK DIAGRAM & POWER SUPPLY



3.0 MECHANICAL SPECIFICATIONS & FEATURE

Item	Nominal Dimensions (mm)	Feature	
		Active Screen Size	3.5" Diagonal
Module Size (W*H*T)	78.1x64.9x3.1	Resolution	320 (RGB) x 240
View Area (W*H)	72.09 x 55.4	View Angle	12 0' clock
Dot x Dot (W*H)	320 (RGB) x 240	Pixel Driving Element	α-Si TFT
Dot Pitch (W*H)	0.219 x 0.219	Pixel Arrangement	RGB-Stripe
Dot Size (W*H)	0.219 x 0.219	Pre-tilt Angle	3-5 Degree
---	---	Operating Temperature	-20° C to +70° C
---	---	Storage Temperature	-30° C to +80° C

4.0 ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Logic Supply Voltage	VCC	Based On NT39016 Ta=25° C	3.0	3.3	3.6	V
Analog Supply Voltage	VDDA	Based On NT39016 Ta=25° C	4.8	5.0	5.2	V
Input Signal Voltage	Low Level	VIL Based On NT39016 Ta=25° C	0	---	0.3VDD	V
	High Level	VIH Based On NT39016 Ta=25° C	0.7*VDD	---	VDD	V
TFT Gate ON Voltage	VGH	Based On NT39016 Ta=25° C	---	15.0	---	V
TFT Gate Off Voltage	VGL	Based On NT39016 Ta=25° C	---	-10.0	---	V
TFT Common Electrode Voltage	VCOMAC	Based On NT39016 Ta=25° C	4.6	---	6.1	V
	VCOMDC	Based On NT39016 Ta=25° C	1.0	---	2.26	V

5.0 INTERFACE PIN CONNECTIONS

Pin No.	Symbol	Level	Description
1-2	K (LED-)	0V	LED Backlight Power Supply Negative Input Terminal
3-4	A (LED+)	19.2V	LED Backlight Power Supply Positive Input Terminal
5-7	NC	---	Not Connected
8	RESB	H→L, H	LCM reset pin. internal pull high. connected to VDD10 when not used
9	CS	L	LCM selection pin of serial interface; internal pull high
10	SCLK	H/L	LCM clock pin of serial interface. internal pull high
11	SDI	H/L	LCM Data Input Terminal
12-13	NC	---	Not Connected
14-19	BBO-BB5	---	Data Bus Input Terminal
20-21	NC	---	Not Connected
22-27	GG0-GG5	---	Data Bus Input Terminal
28-29	NC	---	Not Connected
30-35	RRO-RR5	---	Data Bus Input Terminal
36	HSYNC	---	Line Synchronizatio Signal Input Terminal
37	VSYNC	---	Frame Synchronizatio Signal Input Terminal
38	DOTCLK	---	Dotclk Signal Input Terminal
39-40	NC	---	Not Connected
41-42	VDD10	P	LCM Power Supply
43-51	NC	---	Not Connected
52	ENABLE	---	Enable Chip Signal Input Terminal
53-54	VSS	0V	LCM Power Supply Ground Input Terminal