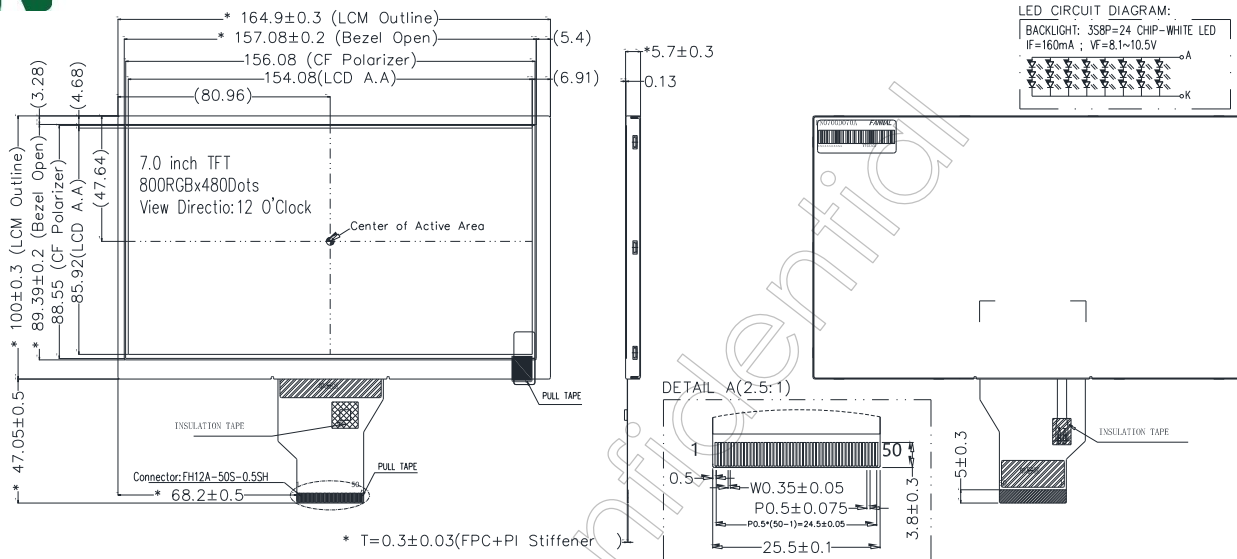




Parameter	Specification	Unit	Pin No.	Symbol	I/O	Description
LCD size	7.0 (Diagonal)	inch	1-2	VLEDA	P	Power for LED Backlight(Anode).
Resolution Ratio	800(H)×480(V)	pixels	3-4	VLEDK	P	Power for LED Backlight(Cathode).
Pixel Pitch	0.1926(H)×0.179(V)	mm	5	GND	P	Power ground.
Active Area	154.08(H)×85.92(V)	mm	6	NC	-	No connection.
Module Size	164.9(W)×100.0(H)×5.7(D)	mm	7	VCC	P	Power for Digital Circuit.
Display Mode	Normally White, Transmissive		8	MODE	I	DE/SYNC Mode select.
Interface	RGB 24bit		9	DE	I	Data Input Enable.
Pixel arrangement	RGB-island		10	VSYNC	I	Vertical Sync Input.
View Direction	12:00	O'clock	11	HSYNC	I	Horizontal Sync Input.
Power Supply	3.3	V	12-19	B7-B0	I	Blue data.
Power Consumption	LCD: 0.24(Typ.) @VDD=3.3V BL: 1.6(Typ.)@IBL=160mA	W	20-27	G7-G0	I	Green data.
Weight	157(Typ.)	g	28-35	R7-R0	I	Red data.
Luminance	400(Typ.)	cd/m ²	36	GND	P	Power ground.
Driver IC	ILI6137A+ILI5960		37	DCLK	I	Sample clock.
Operating Temperature	-20~+70	°C	38	GND	P	Power ground.
Storage Temperature	-30~+80	°C	39	LR	I	Left/Right selection.
			40	UD	I	Up/Down selection.
			41	VGH	P	Gate ON Voltage.
			42	VGL	P	Gate OFF Voltage.
			43	AVDD	P	Power for Analog Circuit.
			44	RESET	I	Global reset pin.
			45-46	NC	-	No connection.
			47	DITHB	I	Dithering function.
			48	GND	P	Power ground.
			49-50	NC	-	No connection.
Parameter	Symbol	Min.	Typ.	Max.	Unit	
Digital supply Voltage	Vcc	3.0	3.3	3.6	V	
Analog supply Voltage	AVDD	10.1	10.4	10.7	V	
Gate on Voltage	VGH	14.4	16.0	17.6	V	
Gate off Voltage	VGL	-7.7	-7.0	-6.3	V	
Power Supply current	IDD	-	20	-	mA	
Input logic high voltage	VIH	0.7Vcc	-	Vcc	V	
Input logic low voltage	VIL	0	-	0.3Vcc	V	
Current of digital supply voltage	Ivcc	1.0	4.0	10	mA	
Current of analog supply voltage	Iavdd	5.0	20.0	50	mA	
Current of Gate on voltage	Ivgh	0.05	0.2	1.0	mA	
Current of Gate off voltage	Ivgl	0.2	0.5	1.0	mA	
Parameter	Symbol	Min.	Typ.	Max.	Unit	
Forward Current Voltage	VF	8.1	9.3	10.5	V	
Forward Current	If	-	160	200	mA	
Backlight Power Consumption	Wbl	-	1.488	2.1	W	
LED Lifetime	-	-	30000	-	Hrs	