



Parameter	Specification	Unit	Pin No.	Symbol	I/O	Description
LCD size	6.2 (Diagonal)	inch	1	AGND	P	Ground
Resolution Ratio	800(H)×480(V)	pixels	2	AVDD	P	Analog Power
Pixel Pitch	0.1717(H)×0.1610(V)	mm	3	VCC	P	Digital Power Supply
Active Area	137.4(H)×77.28(V)	mm	4	R0	I	Red Data (LSB)
Module Size	155.2(W)×88.2(H)×4.9(D)	mm	5-11	R1-R7	I	Red Data
Display Mode	Normally White, Transmissive		12	G0	I	Green Data (LSB)
Interface	RGB 24Bit		13-19	G1-G7	I	Green Data
Pixel arrangement	RGB-Vertical Stripe		20	B0	I	Blue Data (LSB)
View Direction	12:00	O'clock	21-27	B1-B7	I	Blue Data
Power Supply	3.3	V	28	DCLK	I	Dot Clock Input
Power Consumption	1.8(Typ.)	W	29	DE	I	Data Enable Signal
Weight	115(Typ.)	g	30	HSD	I	Horizontal Sync Input, Negative Polarity
Luminance	550(Typ.)	cd/m ²	31	VSD	I	Vertical Sync Input, Negative Polarity
Driver IC	HX8264-D&HX8664-B		32	MODE	I	DE/SYNC Mode Select. Normally pull high
Operating Temperature	-20~+70	°C	33	RSTB	I	Global Reset Pin
Storage Temperature	-30~+80	°C	34	STBYB	I	Standby Mode Select; H:normal operation, L:standby mode
			35	SHLR	I	Source Right or Left Sequence Control
			36	VCC	P	Digital Power
			37	UPDN	I	Gate Up or Down Scan Control
			38	GND	P	Ground
			39	AGND	P	Ground
			40	AVDD	P	Analog power
			41	VCOM	P	Common Voltage Input
			42	DITHB	I	Dithering Setting. H:6bit Resolution, L:8bit Resolution
			43-44	NC	-	No Connection
			45-54	V10-V1	P	Gamma Voltage
			55	NC	-	No Connection
			56	VGH	P	Positive Power for TFT
			57	VCC	P	Digital Power
			58	VGL	P	Negative power for TFT
			59	GND	P	Ground
			60	NCNC	-	No Connection
Parameter	Symbol	Min.	Typ.	Max.	Unit	
Logic Supply Voltage 1	VCC	2.8	3.3	3.6	V	
Logic Supply Voltage 2	AVDD	10.3	10.5	10.8	V	
Logic Supply Voltage 3	VGH	19.7	20.0	20.3	V	
Logic Supply Voltage 4	VGL	-7.3	-7.0	-6.7	V	
Logic Supply Voltage 6	VCOM	3.9	4.0	4.1	V	
Input Signal Voltage	Low Level	VIL	0	0.3VCC	V	
	High Level	VIH	0.7VCC	VCC	V	
Output Signal Voltage	Low Level	VOL	-	GND+0.4	V	
	High Level	VOH	VCC-0.4	-	V	
Power Consumption	Black Mode(60Hz)	-	355	-	mW	
Parameter	Symbol	Min.	Typ.	Max.	Unit	
Forward Current Voltage	VF	8.7	9.6	10.2	V	
Forward Current	If	-	140	-	mA	
Backlight Power Consumption	Wbl	-	1.344	-	W	
LED Lifetime	-	30000	-	-	Hrs	