



Pin Connections: J2:

J1:

Pin	Symbol	I/O	Function	Note	Pin	Symbol	I/O	Function	Note
1	V _{SS}	0V	Power ground	3.3V I/O contr- ol	1	V _{SS}	0V	Power ground	3.3V I/O contr- ol
2	V _{DD}	5.0V	Power supply		2	V _{DD}	5.0V	Power supply	
3	/RST	H/L	Reset signal		3	/RST	H/L	Reset signal	
4	/CS	H/L	Chip select		4	/SCS	H/L	SPI Chip select	
5	/RD	H/L	Read enable		5	SCL	H/L	SPI clock	
6	/WR	H/L	Write enable		6	SDO	H/L	SPI data output	
7	RS	H/L	Command/Data select		7	SDI	H/L	SPI data input	
8~15	DB0~DB7	H/L	Data bus		8	LEDC	H/L	Backlight control	
16	/WAIT	H/L	Wait signal						
17	/INT	H/L	Interrupt signal						
18	LEDC	H/L	Backlight control						

Basic Specifications

Item	Specifications
Size	5 inch
Resolution	800×3(RGB)×480
Color depth	16M
Viewing direction	6 o'clock
Operation temperature	-20 °C ~70 °C
Storage temperature	-30 °C ~ 80 °C
Driver IC	RA8873
Interface type	8-bit 8080 parallel or SPI interface

DC Electrical Characteristics&Backlight Driving Conditions

Item	Symbol	Min.	Typ.	Max.	Unit
Power supply	DVDD	3.0	3.3	3.6	V
Input logic high voltage	V _{IH}	0.7 VDD	-	VDD	V
Input logic low voltage	V _{IL}	0	-	0.3 VDD	V
Power supply for LED backlight	V _F	18.0	18.6	19.2	V
Current for LED backlight	I _F	-	40	-	mA
Operating life time for LED backlight	Ta=25°C and I _F =40mA	-	20000	-	Hrs

Optical Specifications

Item	Symbol	Condition	Min.	Typ.	Max.	Unit	
View angles	VERT	CR ≥ 10 (Note)	θ _T	45	50	-	Degree
			θ _B	55	60	-	
	HOR		θ _L	60	65	-	
			θ _R	60	65	-	
Contrast ratio	CR	θ=0°	400	500	-	-	
Chromaticity	White	Backlight is on	X	0.25	0.30	0.35	
			Y	0.25	0.30	0.35	
Luminance	L	Ta=25°C and I _F =40mA	-	TBD		cd/m ²	

Note: T:Top 12 o'clock; B:Bottom 6 o'clock; L:Left 9 o'clock; R:Right 3 o'clock