



SPECIFICATION

MODULE NO.: WF57RTQACDNN0#

General Specifications

Item	Dimension	Unit
Size	5.7	inch
Dot Matrix	320 x RGBx240(TFT)	dots
Module dimension	144.0 x 89.4 x 12.3	mm
Active area	115.2 x 86.4	mm
Dot pitch	0.12 x 0.36	mm
LCD type	TFT, Normally White, Transmissive	
View Direction	6 o'clock	
Gray Scale Inversion Direction	12 o'clock	
Backlight Type	LED ,Normally White	
With /Without TP	Without TP	
Surface	Anti-Glare	

*Color tone slight changed by temperature and driving voltage.

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-30	—	+85	°C
Storage Temperature	TST	-30	—	+85	°C

Electrical Characteristics

TFT LCD MODULE

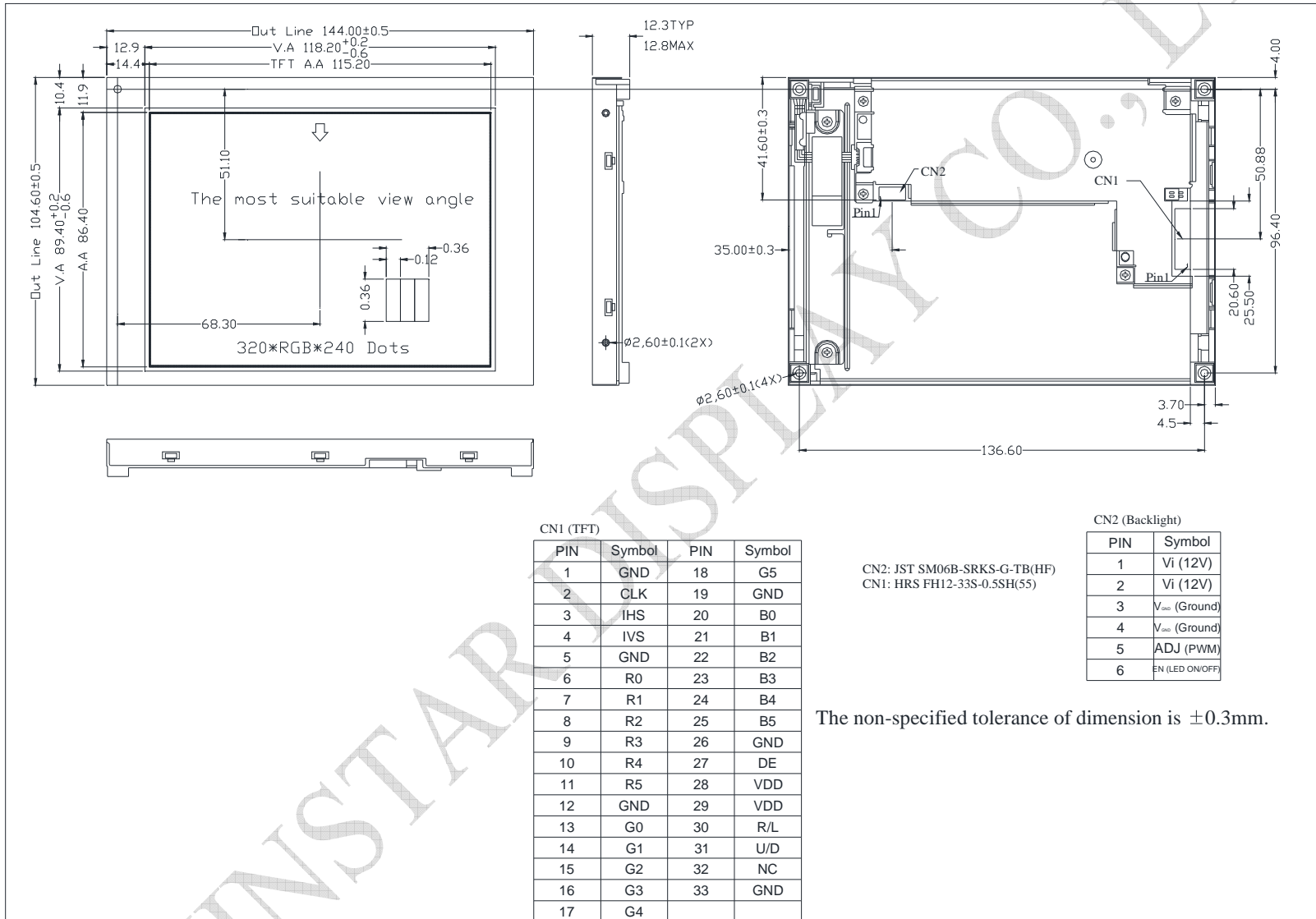
Ta = 25 ± 2 °C

Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
Power Supply Voltage	VCC	3.0	3.3	3.6	V
Rush Current	IRUSH		1		A
Power Supply Current	White		146	175	mA
	Black		151	181	mA
Power Consumption	PL		0.5		W

Interface

Pin	Name	Description
1	GND	Ground
2	CLK	Dot Clock
3	IHS	Horizontal synchronous signal
4	IVS	Vertical synchronous signal
5	GND	Ground
6	R0	Red data (LSB)
7	R1	Red data
8	R2	Red data
9	R3	Red data
10	R4	Red data
11	R5	Red data (MSB)
12	GND	Ground
13	G0	Green data (LSB)
14	G1	Green data
15	G2	Green data
16	G3	Green data
17	G4	Green data
18	G5	Green data (MSB)
19	GND	Ground
20	B0	Blue data (LSB)
21	B1	Blue data
22	B2	Blue data
23	B3	Blue data
24	B4	Blue data
25	B5	Blue data (MSB)
26	GND	Ground
27	DE	Data Enable Signal
28	VDD	Power Supply (3.3V)
29	VDD	Power Supply (3.3V)
30	R/L	Horizontal reverse scan
31	U/D	Vertical reverse scan
32	NC	NC
33	GND	Ground

Contour Drawing



CN1 (TFT)

PIN	Symbol	PIN	Symbol
1	GND	18	G5
2	CLK	19	GND
3	IHS	20	B0
4	IVS	21	B1
5	GND	22	B2
6	R0	23	B3
7	R1	24	B4
8	R2	25	B5
9	R3	26	GND
10	R4	27	DE
11	R5	28	VDD
12	GND	29	VDD
13	G0	30	R/L
14	G1	31	U/D
15	G2	32	NC
16	G3	33	GND
17	G4		

CN2: JST SM06B-SRKS-G-TB(HF)
 CN1: HRS FH12-33S-0.5SH(55)

CN2 (Backlight)

PIN	Symbol
1	Vi (12V)
2	Vi (12V)
3	V _∞ (Ground)
4	V _∞ (Ground)
5	ADJ (PWM)
6	EN (LED ON/OFF)

The non-specified tolerance of dimension is ±0.3mm.