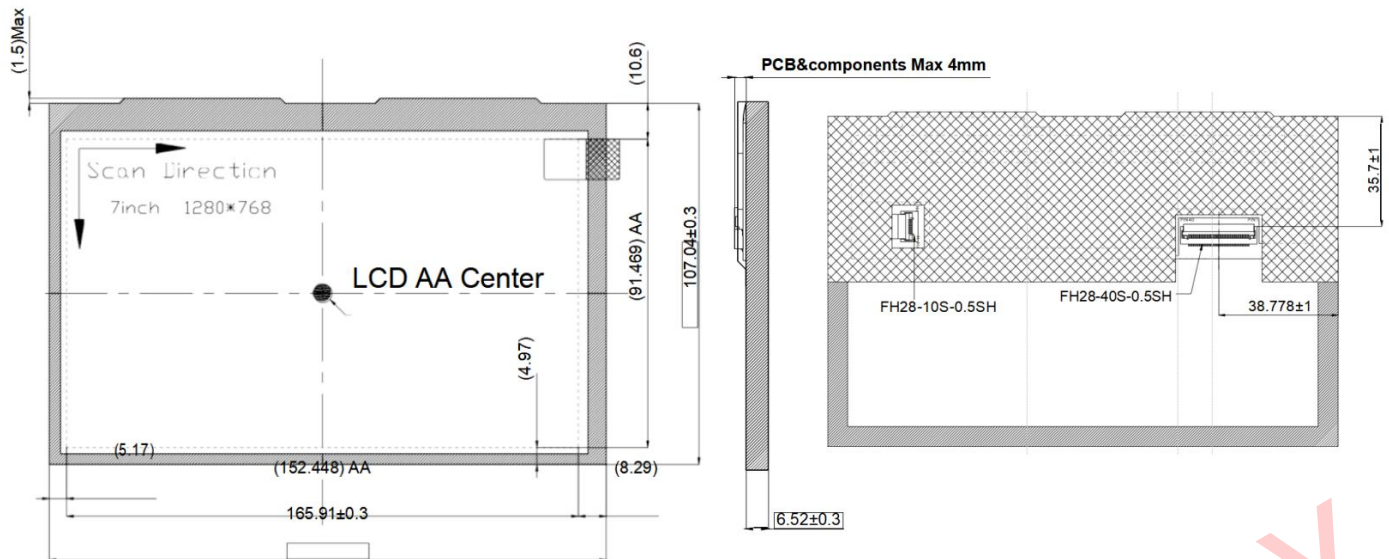




Pin Connections (Recommended Connector typ: FH28-40S-0.5SH)

Pin No.	Symbol	I/ O	Description
1	A1	P	Anode
2	A2	P	Anode
3	A3	P	Anode
4	NC	-	Not connect at customer side
5	K1	P	Cathode
6	K2	P	Cathode
7	K3	P	Cathode
8	NTC+	P	NTC
9	NTC-	P	NTC
10	GND	P	System Ground
11	CSB	I	SPI interface
12	SCL	I	SPI interface
13	SDA	I	SPI interface
14	GND	I	System Ground
15	RESET	I	H : normal operation ; L : reset state There is an internal RC circuit in product for stability
16	STBYB	I	Standby mode setting pin, active low
17	FAIL_DETECT	O	Fail detection signal output
18	GND	P	System Ground
19	D3P	I	LVDS Differential Data Pair

20	D3N	I	LVDS Differential Data Pair
21	GND	P	System Ground
22	CKP	I	LVDS Differential CLK Pair
23	CKN	I	LVDS Differential CLK Pair
24	GND	P	System Ground
25	D2P	I	LVDS Differential Data Pair
26	D2N	I	LVDS Differential Data Pair
27	GND	P	System Ground
28	D1P	I	LVDS Differential Data Pair
29	D1N	I	LVDS Differential Data Pair
30	GND	P	System Ground
31	D0P	I	LVDS Differential Data Pair
32	D0N	I	LVDS Differential Data Pair
33	GND	P	System Ground
34	FEED_BACK	O	Output internal Touch Panel SYNC signal
35	VCC	P	System power(3.3V)
36	VCC	P	System power(3.3V)
37	GND	P	System Ground
38	TB_RL	I	Horizontal shift direction selection L: Forward direction indication(Left to Right, default) H: Reverse direction indication(Right to Left)
39	BISTEN	I	Not connect at customer side
40	VDD_OTP	I	Not connect at customer side

I/O: I:Input O: Output P: Power

Basic Specifications

Item	Specification
Size	7 inch
Interface	LVDS
Resolution	1280 (RGB) ×768
Display mode	Normal black
Viewing direction	Typ85/85/85/85, Min80/80/80/80
Display colors	16.7M
Active area	152.448 (H) x 91.4688 (V) (单位: mm)
Module outline	165.91(H) ×107.04(V) × 6.52(T) (单位: mm)
Operation voltage	3.3V

Operation Temperature	-40 °C ~85 °C
Storage Temperature	-40 °C ~ 90 °C

DC Electrical Characteristics&Backlight Driving Conditions

Parameters	Symbol	Values			Unit
		Min.	Typ.	Max.	
Power for Circuit Driving	VCC	3.0	3.3	3.6	V
Logic Input Voltage	VIL	GND-0.3	-	0.3*VCC	V
	VIH	0.7*VCC	-	VCC+0.3	V

Optical Specifications

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit	
Viewing Angle range	Horizontal	Θ3	CR > 10: 1	80	85	-	Deg.	
		Θ9		80	85	-	Deg.	
	Vertical	Θ12		80	85	-	Deg.	
		Θ6		80	85	-	Deg.	
Contrast ratio @25°C		CR	Θ = 0 (Center) Normal Viewing Angle	800	1000	-	-	
Contrast ratio @85°C		CR		50%	-	-	-	
White luminance uniformity		ΔY		80			%	
NTSC		%		70	75	-	-	
White Chromaticity		xw		Typ-0.03	0.315	Typ+0.03	-	
		yw			0.339		-	
Reproduction of color	Red	xR			0.651		-	
		yR			0.336		-	
	Green	xG			0.317		-	
		yG			0.624		-	
	Blue	xB			0.146		-	
		yB			0.061		-	
Parameter	Condition			Min.	Typ.	Max.		
Luminance	Θ = 0 (Center) Normal Viewing Angle			800	-	-	cd/m2	