

5.5", Full HD TFT LCD

- IPS Technology
- High Resolution
- Wide Viewing Angles
- High Contrast
- Fast Response Times
- Landscape & Portrait View
- Wide Operating Temp.
- HDMI Driver Option

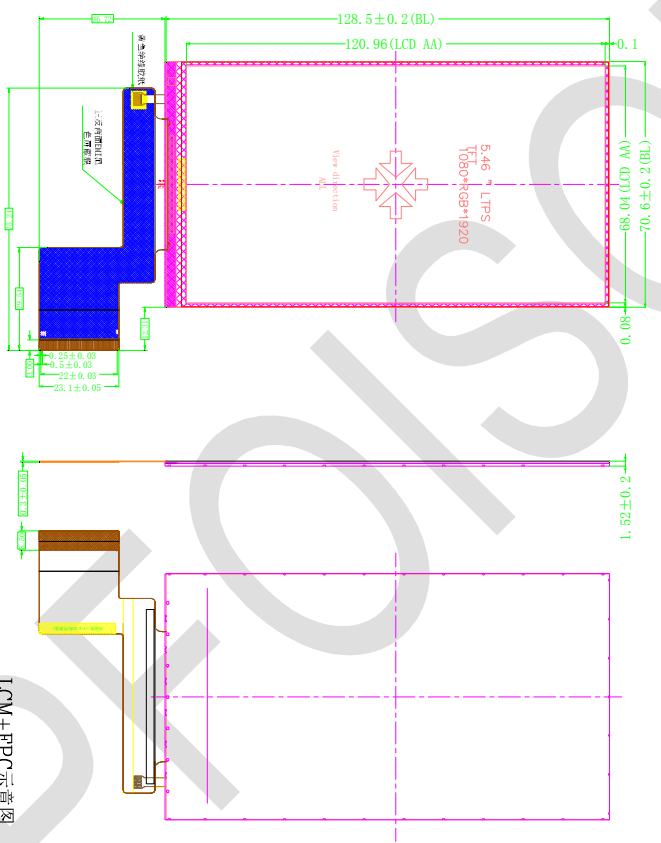


Part Number	TF55005A
Size	5.5", 1080p TFT LCD
Resolution	1080 x 1920 Pixels
Contrast Ratio	1000:1
Brightness	250 cd/m ²
Viewing Angles	L/R: 85°/85°, U/D: 85°/85°
Viewing Direction	All
Outline Dimensions (mm)	70.54(W) x 128.16(H) x 1.45(D)
Active Area (mm)	68.04(W) x 120.96(H)
Pixel Pitch (mm)	0.063(W) x 0.063(H)
Interface	MIPI 4-Lines
Driver IC	NT35532
Operating Voltage (V)	-0.3 ~ 3.6V
Response Time (ms)	Rise: 20ms, Fall: 15ms
Operating Temperature	-20°C ~ 70°C
Storage Temperature	-30°C ~ 80°C



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LCD朝平齐背光组装



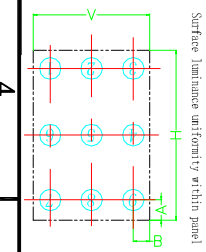
LCM+PPC示意图

VER.	SYMBOL	REVISION RECORD	DRAWN BY	CHECKED BY
V0	△	首版发行	LJU 16.12.13	
V1	△	更改特批	CHA 17.11.20	

32	GND	1	LEDA1
33	A_CLK_N	2	LEDA2
34	A_CLK_P	3	LEDA1
35	GND	4	LEDA2
36	A_D2_N	5	VDD1
37	A_D2_P	6	VDD1
38	GND	7	TE
39	A_D3_N	8	LED_PWM
40	A_D3_P	9	RESX
41	GND	10	GND
42	AVDD	11	GND
43	AVEE	12	NC
44	GND	13	NC
45	GND	14	GND
		15	NC
		16	NC
		17	GND
		18	NC
		19	NC
		20	GND
		21	NC
		22	NC
		23	GND
		24	NC
		25	NC
		26	GND
		27	A_DO_N
		28	A_DO_P
		29	GND
		30	A_D1_N
		31	A_D1_P

- NOTE:
1. GENERAL TOLERANCE: ±0.2,
 2. (,,,) IS REFERENCE DIMENSION.
 3. * CRITICAL DIMENSION
 4. COMPLIABLY ROHS.

Display Type	5-SFTI NORMALLY BLACK TRANSMISSIVE	LED CIRCUIT DIAGRAM:
Viewing Angle	FULL O'CLOCK	
LCD Driver IC	NT35532	
Operation Temperature	-20°C TO 70°C	
Storage Temperature	-30°C TO 80°C	
Interface	Mipi 4L	
Backlight	WHITE(40mA-22,4V)	



Measuring Equipment	BM-7
Test pattern	White
Light Source	Transmissive Mode: Internal(Backlight)
A: 5mm B: 5mm HV: Active Ared	
Uniformity value (Lu): Lu=med) *100%	

深圳市拓丰源电子有限公司
TOPOISON INDUSTRY Co., LIMITED

TITLE: LCM OUTLINE DIMENSION	PRODUCT MODEL: TP55005A
DRW. NO.: TP-LCM55005A-V1	Ver.: V
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

SCALE: N.T.S.

UNITS: mm

PRO (3):

SHEET: 1/1