

Figure 1 is a schematic diagram of the printing process. It shows a rectangular printing block with a central white area and a surrounding grey border. The grey border is labeled "Printing Block" and "Transparent Pore". Dimensions are indicated: 8.50 for the total width, 2.51 for the width of the transparent pore, 2.00 for the width of the printing block, and 7.00 for the height of the transparent pore.

Technical drawing of the PH39-39S-0.3SH module. The drawing shows the module's dimensions and components. The main display area is 68.44 ± 0.15 (Lens VA) wide and 120.96 (LCD A, A) high. The total width including the bezel is 76.80 ± 0.05 (Lens OD). The total height including the bezel is 127.04 ± 0.05 (Lens OD). The module is labeled "5.46" TFT IPS" and "720XRGBK1280 DOTS". The viewing direction is indicated as "VIEWING DIRECTION: ALL". The module is connected to a PCB via a connector labeled "FPC+PI=0.3 ± 0.03". The PCB is labeled "黑色印刷線 (綠油)". The module is labeled "PH39-39S-0.3SH". The drawing also shows the "VIEWING DIRECTION: ALL" and the "720 X RGBK 1280 DOTS" resolution. The module is labeled "5.46" TFT IPS". The drawing also shows the "VIEWING DIRECTION: ALL" and the "720 X RGBK 1280 DOTS" resolution. The module is labeled "5.46" TFT IPS".

(CTP+OCA) 1.25 ± 0.15

2.86 ± 0.25 (L0M+CTP)

1.61 ± 0.10 (L0D0)

Lens 0.70 ± 0.05

Film 0.35 ± 0.05

OCA 0.20 ± 0.05

硅衬底

FPC+IC+SI/S:MAX 1.30

0.30 ± 0.03

0.2 ± 0.03

0.5SH (50)

Technical drawing of a bent FPC (Flexible Printed Circuit) showing dimensions and tolerances. The drawing includes a central vertical section with a "Label" area, a base with a bend, and various dimension lines with numerical values and tolerances. Key dimensions include:

- Top width: 70.94 ± 0.2 (LOM)
- Top right width: 72.93 ± 0.2
- Right side width: 220.91 ± 0.5
- Right side width: 226.56 ± 0.2 (LOM)
- Bottom right width: 2.97
- Bottom right width: 0.80max
- Bottom right width: 2.76
- Bottom width: 12.00
- Bottom width: 34.65
- Central vertical dimension: 1.00

FPC弯折示意图

弯折出货

PIN	SYMBOL
1	GND
2	TP_IDVCC_1V8
3	TP_VCC_2V85
4	GND
5	TP_I2C_SCL_1.8V
6	TP_I2C_SDA_1.8V
7	GND
8	TP_INT_N_1.8V
9	TP_RST_1.8V
10	DYNAMIC4B
11	DYNAMIC5A
12	DYNAMIC5B
13	DYNAMIC4B_A
14	GND
15	LCD_VDD_2V85
16	LCD_IDVDD_1V8
17	GND
18	LCD_TD(GND)
19	LCD_RST
20	LCD_TE
21	GND
22	MIPI_DS1_D1_P
23	MIPI_DS1_D1_N
24	GND
25	MIPI_DS1_CLK_P
26	MIPI_DS1_CLK_N
27	GND
28	MIPI_DS0_D0_P
29	MIPI_DS0_D0_N
30	GND
31	MIPI_DS1_D2_P
32	MIPI_DS1_D2_N
33	GND
34	MIPI_DS1_D3_P
35	MIPI_DS1_D3_N
36	GND
37	LED-
38	LED+
39	GND

PIN	TP连接器定义	27	GND
1	TP_IDVCC_1V8	28	MPID_DS0_P
2	TP_VCC_2V85	29	MPID_DS0_N
3	GND	30	GND
4	TP_I2C_SCL_1.8V	31	MPID_DS1_DS2_P
5	TP_I2C_SDA_1.8V	32	MPID_DS1_DS2_N
6	GND	33	GND
7	TP_INT_1N_1.8V	34	MPID_DS1_DS3_P
8	TP_RST_1.8V	35	MPID_DS1_DS3_N
9	DYNAMIC5A	36	GND
10	DYNAMIC5B	37	LED-
11	DYNAMIC4B	38	LED+
12	DYNAMIC4B_A	39	GND

1. COVER GLASS+SENSOR Film+FPC
COVER GLASS:0.7mm
SENSOR Film:0.35mm
IC:FT5446DQS
Resolution:720(RGB)*1280
2. Voltage:2.8~3.3V
3. Transmittance:≥82%
4. Surface hardness:6H(750gf)
5. Tem. op:-10℃~+50℃, ≤85%RH
6. Tem. st:-20℃~+60℃, ≤90%RH

1. GENERAL TOLERANCE: ± 0.2
 2. () REFERENCE DIMENSION
 3. Important dimension: ① ~ ⑪

LD Type	5.46 TFT Transmissive
Resolution	Normally black IPS
View Direction	720(RGB)*1280
LD driver IC	ALL o'clock
Colour depth	1U988IC
Interface types	16.7M
Operating voltage	MIPI Video, 4-Lane
With TP/Lens	2.8V
Backlight	with ctp(c-F15446QD05)
Surface luminance	14 LEDs, 40mA(typ) 22V(ref)
Operating temperature	350cd/m ² (typ)
Storage temperature	-20°C~60°C
Color chromaticity	-30°C~70°C
	[white] x/y:

版本 (Version)	变更记录 (Revise History)
A0	Initial release

日期(Date)	设计 (DESIGN)	Zahi
2023. 01. 05	审核 (CHECKED)	Aron
	批准 (APPROVED)	Aron
	客户承认 (CUSTOMER APPROVAL)	

 		
TITLE: LCM+CTP	页面(Page)	1 / 1
	单位(Unit)	mm
Drawing No. TST055HDII-18C	比例(SCALE)	1 : 1
	角度(Angle)	

