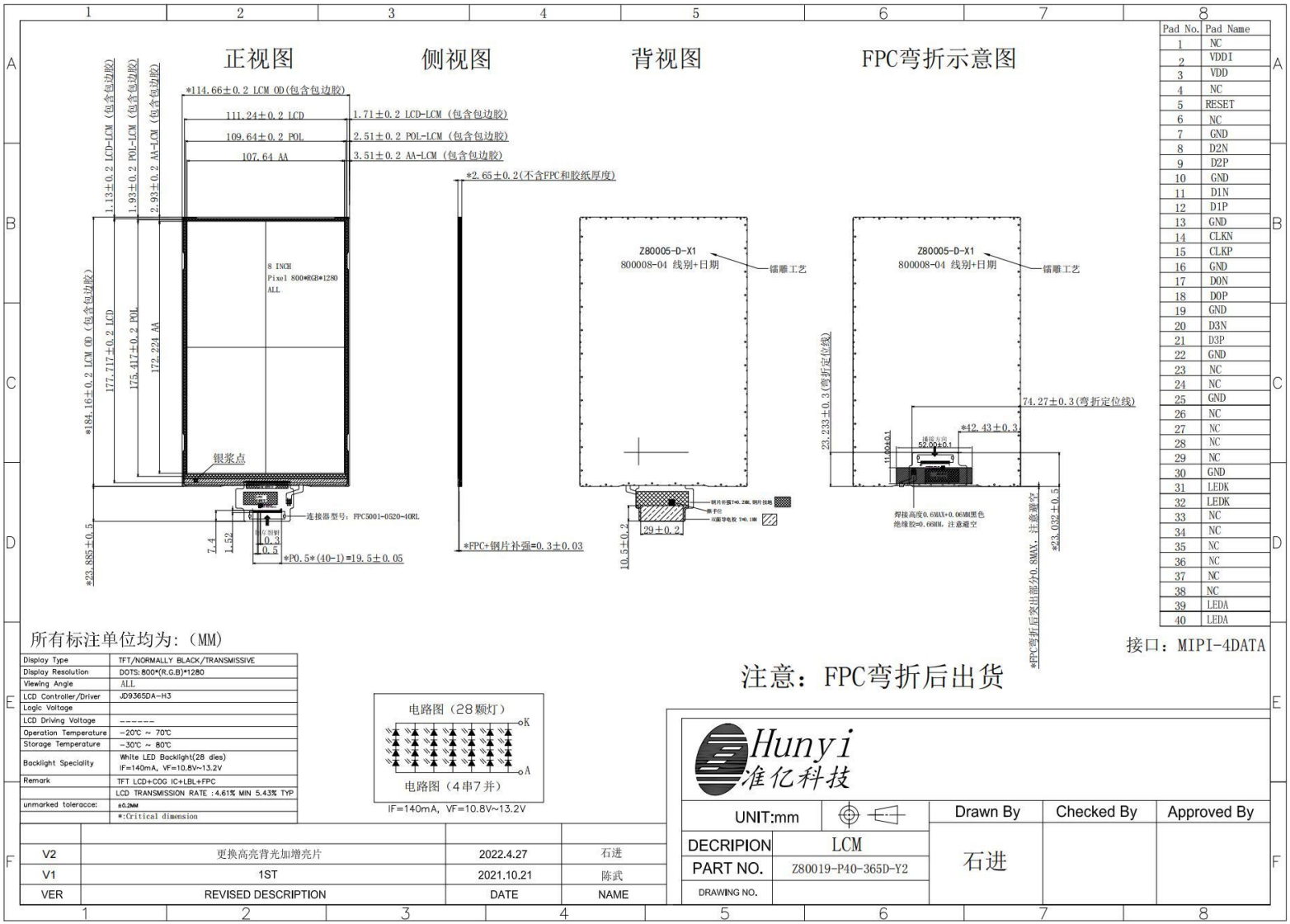
1. General Specifications

No.	Item	Specification	Unit
1	Display Size (Diagonal)	8.0	inch
2	Display Resolution	800(H） × RGB × 1280（V）	pixels
3	Pixel Pitch	44.85(H）× 134.55（V）	um
4	LCM Outline Dimension (Without FPC）	114.66 (W) ×184.16 (H) ×2.65 (T)	mm
5	LCD Outline Dimension	111.24 (W) × 180.52 (H) × 0.8 (T)	mm
6	LCD Active Area	107.64（W） ×172.224（H）	mm
7	View Direction (Gray Inversion)	FULL VIEW	-
8	Driver IC	JD9365DA-H3	-
9	Pixel Arrangement	RGB-Stripe	-
10	Display Mode	Normal Black	-
11	Pixel driving Element	a-Si TFT	-
12	LCD Transmittance	Typ.: 5.55%　Min:5.0%	-
13	LCD Contrast Ratio	Typ.: 1500　Min:1200	-
14	FPC Version	Z80019-P40 V1	-
15	Interface	MIPI	-
16	Operating Temperature	-20°C~ 70°C	-
17	Storage Temperature	-30°C~ 80°C	-
18	Backlight Arrangement	LED/4 Series 7 Parallel (28 lights in total)	-
19	Luminance	580	nit
20	Weight	0.114	kg

2. Interface Definition Description

PIN NO.	PIN DEF.	FUNCTION DESC.
1	NC	No Connection
2	VDDI	I/O POWER SUPPLY
3	VDD	POWER SUPPLY
4	NC	No Connection
5	RESET	LCM RESET PIN
6	NC	No Connection
7	GND	Ground
8	D2N	Negative MIPI differential data input
9	D2P	Positive MIPI differential data input
10	GND	Ground
11	D1N	Negative MIPI differential data input
12	D1P	Positive MIPI differential data input
13	GND	Ground
14	CLKN	Negative MIPI differential CLOCK input
15	CLKP	Positive MIPI differential CLOCK input
16	GND	Ground
17	D0N	Negative MIPI differential data input
18	D0P	Positive MIPI differential data input
19	GND	Ground
20	D3N	Negative MIPI differential data input
21	D3P	Positive MIPI differential data input
22	GND	Ground
23-24	NC	No Connection
25	GND	Ground
26-29	NC	No Connection
30	GND	Ground
31-32	LEDK	POWER SUPPLY- FOR BACKLIGHT CATHODE
33-38	NC	No Connection
39-40	LEDA	POWER SUPPLY- FOR BACKLIGHT ANODE
RESET voltage should be consistent with VDDI voltage, or there probably is black screen fault when power on.		

3. Mechanical Drawing



Pad No.	Pad Name
1	NC
2	VDDI
3	VDD
4	NC
5	RESET
6	NC
7	GND
8	D2N
9	D2P
10	GND
11	D1N
12	D1P
13	GND
14	CLKN
15	CLKP
16	GND
17	DON
18	DOP
19	GND
20	D3N
21	D3P
22	GND
23	NC
24	NC
25	GND
26	NC
27	NC
28	NC
29	NC
30	GND
31	LEDK
32	LEDK
33	NC
34	NC
35	NC
36	NC
37	NC
38	NC
39	LEDA
40	LEDA

所有标注单位均为：（MM）

Display Type	TFT/NORMALLY BLACK/TRANSMISSIVE
Display Resolution	DOTS: 800*(R.G.B)*1280
Viewing Angle	ALL
LCD Controller/Driver	JD9365DA-H3
Logic Voltage	
LCD Driving Voltage	-------
Operation Temperature	-20℃ ~ 70℃
Storage Temperature	-30℃ ~ 80℃
Backlight Speciality	White LED Backlight(28 dies) IF=140mA, VF=10.8V~13.2V
Remark	TFT LCD+COG IC+LBL+FPC
	LCD TRANSMISSION RATE :4.61% MIN 5.43% TYP
unmarked tolerace:	±0.2MM
	*:Critical dimension

电路图（28颗灯）

电路图（4串7并）

IF=140mA, VF=10.8V~13.2V

接口：MIPI-4DATA

注意：FPC弯折后出货

VER	REVISED DESCRIPTION	DATE	NAME
V2	更换高亮背光加增亮片	2022.4.27	石进
V1	1ST	2021.10.21	陈武

Hunyi 准亿科技

UNIT:mm		Drawn By	Checked By	Approved By
DECRIPION	LCM	石进		
PART NO.	Z80019-P40-365D-Y2			
DRAWING NO.				