

- 技术要求:
1. 未注公差: ±0.2mm, 未注倒角: C=0.15±0.1mm
 2. LENS材质: 旭硝子 (AGC Dragontrail), T=0.7mm
 3. OGS表面及边缘进行二次化学强化处理
 4. LENS表面强化处理, 硬度达到铅笔硬度7H
 5. 驱动IC: FT5336
 6. 采用0.175mmOCA贴合
 7. 环保符合RoHS要求。
 8. 未注公差: ±0.20mm
 9. 重点管控尺寸*
 10. LCM详细尺寸参照LCM图纸

按压水波纹减轻建议

1. 高强度机壳, 机壳四边由同一平面支撑CTP
2. 模组背面离机壳最好留有0.3mm或以上的间隙



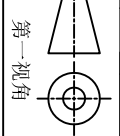
DRAWN:

CHECKED:

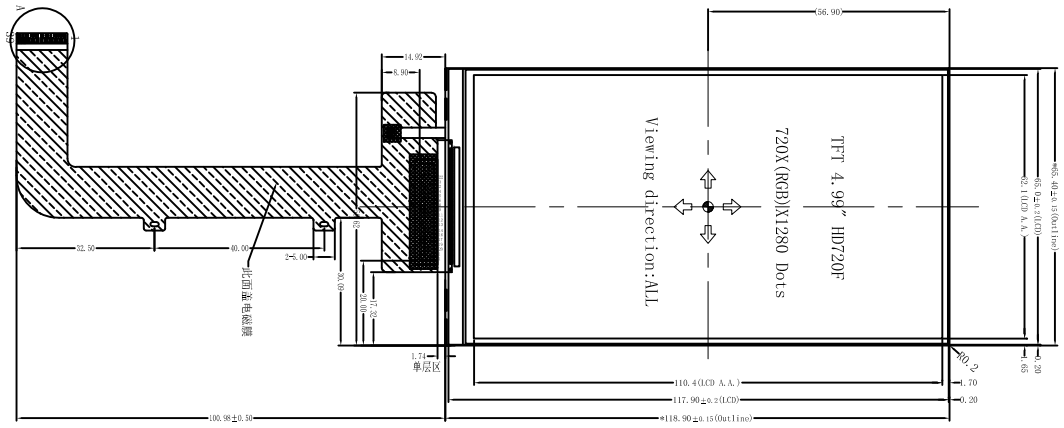
APPROVED:

LCM NO: OD/MD12100
DWG NO:

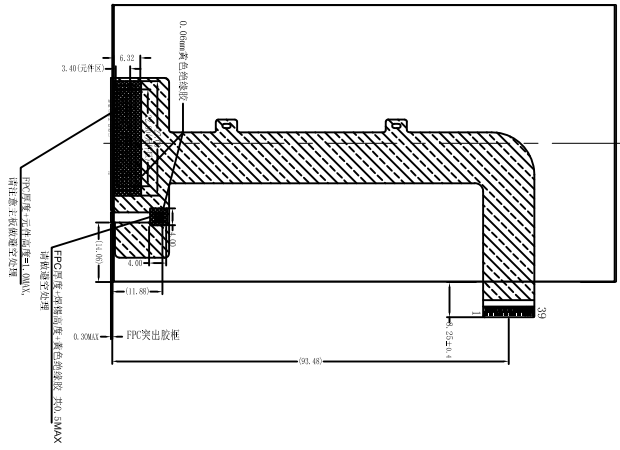
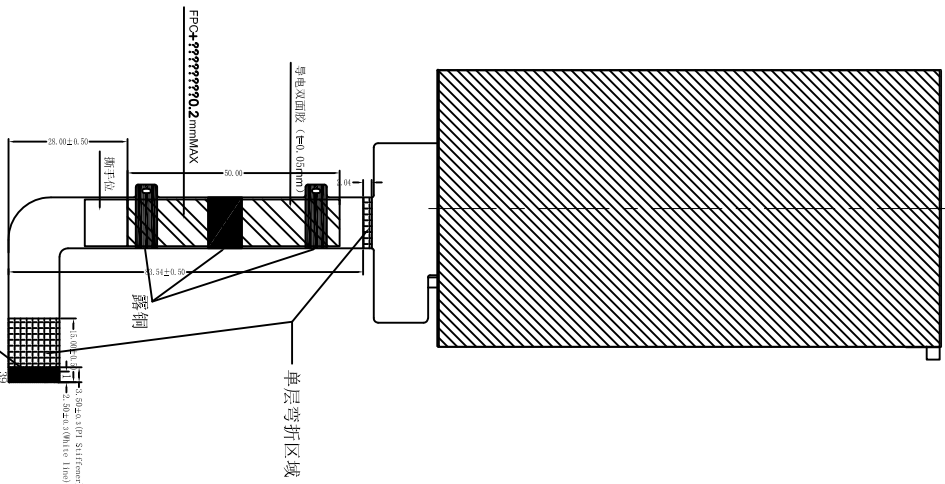
Rev: 01
UNITS: mm
SHEET 1 OF 3



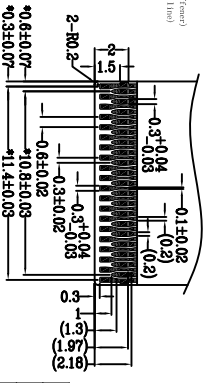
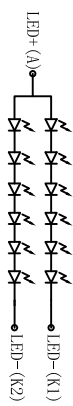
CUSTOMER APPROVAL:



Front



产品弯折示意图
展开出货



No.	Part Name	Quantity
4	Backlight	1
3	FPC	1
2	IC	1
1	LCD	1

CUSTOMER APPROVAL:

TFT: CMI 4.99HD



DRAWN:

CHECKED:

APPROVED:

LCM NO: OD/MD12100
DWG NO:

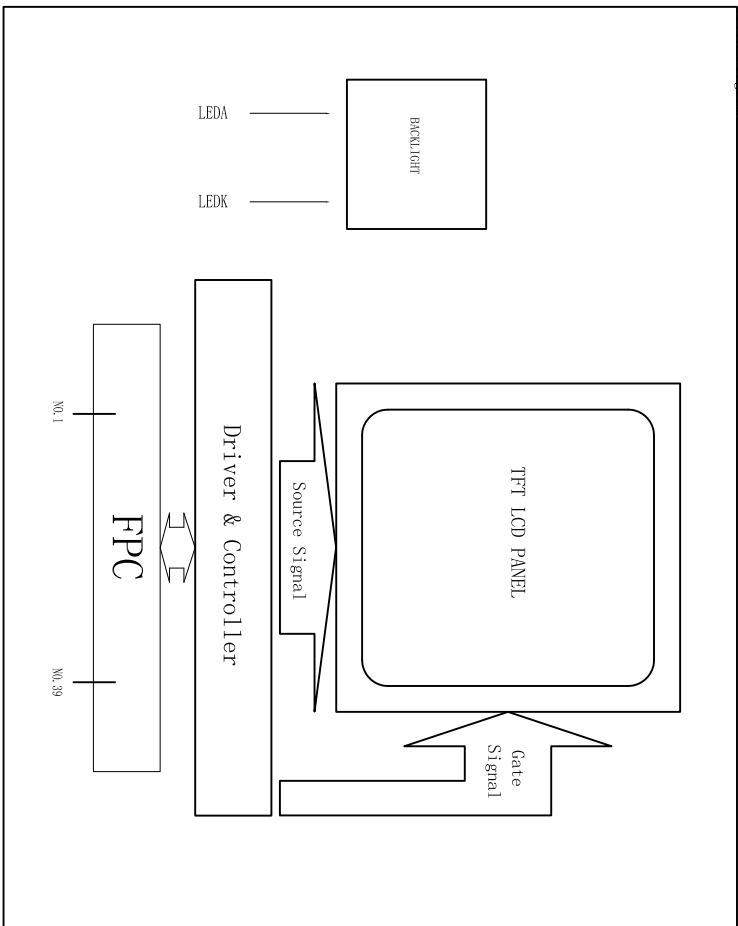
Rev: 01 UNITS: mm

SHEET 2 OF 3



第一视角

Block Diagram:



CTPM Pin Description:

PIN	NAME
1	VDD
2	RESET
3	SCL
4	SDA
5	INT
6	GND

LCM Pin Description :

No.	PIN NAME
1	GND
2	LEBK1
3	CABC
4	LEBK2
5	GND
6	LEDA
7	GND
8	TE
9	GND
10	+5V
11	RST
12	-5V
13	GND
14	MIP1_DST1_D0P
15	NC
16	MIP1_DST1_D8N
17	GND
18	MIP1_DST1_D0P
19	NC
20	MIP1_DST1_D2N
21	GND
22	MIP1_DST1_CLKP
23	NC
24	MIP1_DST1_CLKN
25	GND
26	MIP1_DST1_D1P
27	NC
28	MIP1_DST1_D1N
29	GND
30	MIP1_DST1_D0P
31	NC
32	MIP1_DST1_D0N
33	GND
34	ID_GPIO(NC)
35	ID_ADC
36	IOVCC
37	VCC
38	LANSSEL(GND)
39	GND



Display type: TFT-LCD 16.7M Color/IPS
 Display mode: Normally Black
 VIEWING DIRECTION: ALL
 LCM Driver IC: HX8394A
 MPU interface mode: MIPI interface
 Logic volatage: VCC=2.8±0.1V, IOVCC=1.8±0.1V
 CTP_VDD=2.8±0.1V, CTP_IOVDD=1.8±0.1V
 Backlight: White LED
 Vled=18.6±1.2V, Iled=20*2mA
 Operating temperature: -20° C ~ +60° C
 Storage temperature: -30° C ~ +70° C
 Interface connector: FPC
 All unmarked tolerance: ±0.2mm
 () reference dimension

A01:CTP修改按键灯位置。修改导光膜外形
 A00:在I1920A基础上去掉logo，薄信I971AB，CTP编号为12101

CUSTOMER APPROVAL:

DRAWN:

CHECKED:

APPROVED:

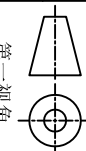
LCM NO: ODM/D12100.

Rev: 01

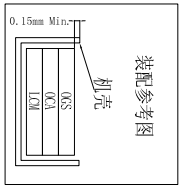
UNITS: mm

DWG NO:

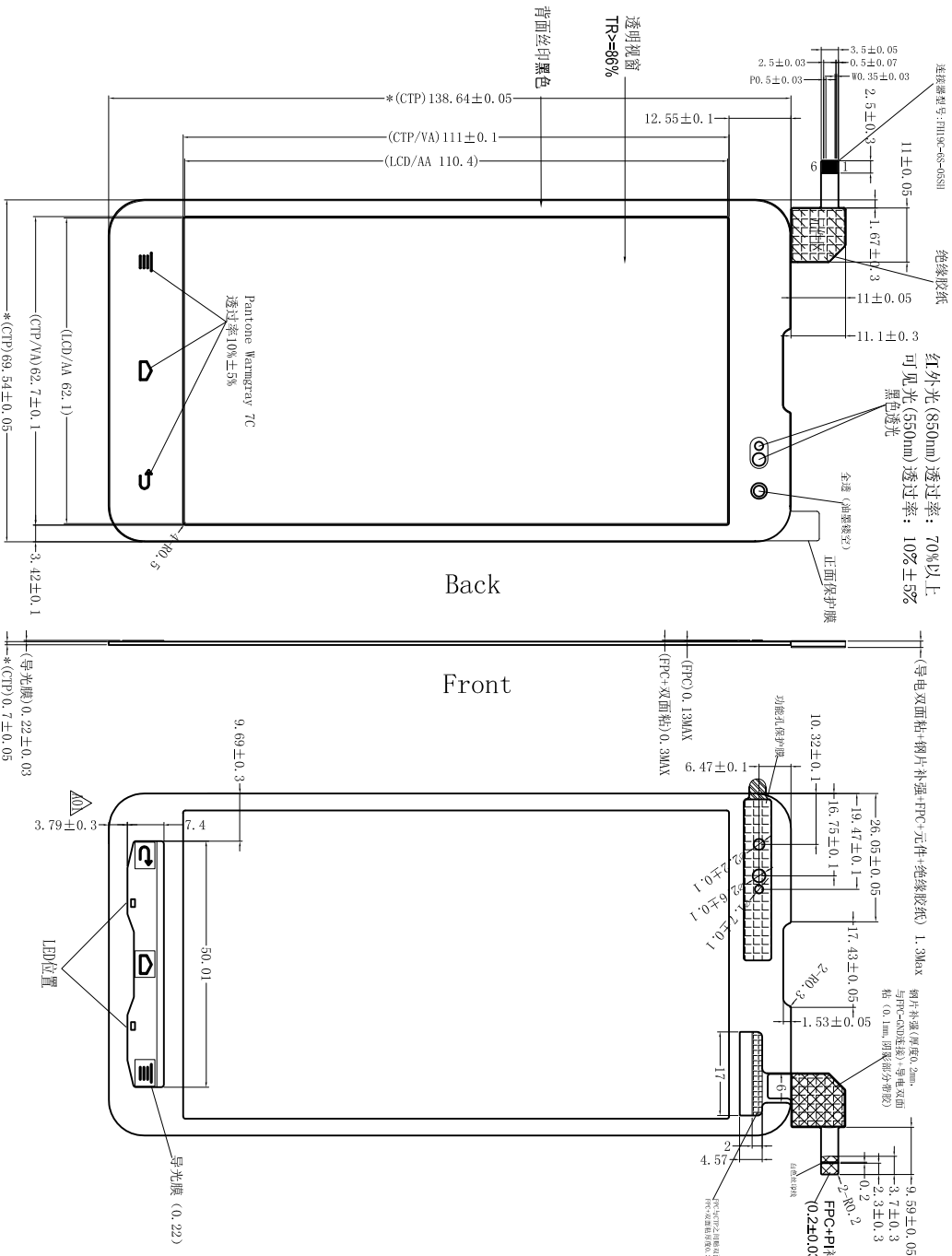
SHEET 3 OF 3



PIN	NAME
1	VDD
2	RESET
3	SCL
4	SDA
5	INT
6	GND



- 技术要求度:
1. 未注公差: $\pm 0.2\text{mm}$, 未注倒角: $(R=0.15 \pm 0.1\text{mm})$
 2. LENS材质: 旭硝子 (AGC Dragontail1), $T=0.7\text{mm}$
 3. OGS表面及边缘进行二次化学强化处理
 4. LENS表面做防指纹处理, 硬度达到铅笔硬度7H
 5. 驱动IC: FT5336
 6. 环保符合RoHS要求.
 7. VDD=2.8V $\pm 0.1\text{V}$
 8. IOVDD=1.8V $\pm 0.1\text{V}$
 9. 工作温度: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
 10. 存储温度: $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$



修改玻璃灯位置, 修改导光膜外形。
A00: 首版: 11921A04基础五册除1095°

CUSTOMER APPROVAL:



DRAWN:

CHECKED:

APPROVED:

LCM No. ODM12100

Rev 01 UNITS: mm

DWG NO.:

SHEET 1 OF 1

