

ALL UNMARKED TOLERANCE: ±0.3mm
DIMENSION WITH * IS SIGNIFICANT DIMENSION
DIMENSION WITH () IS REFERENCE DIMENSION



SHANTOU GOWORLD DISPLAY CO., LTD.
Tel:0754-88192283 Fax:0754-86339619

DRAWN: 黄海龙
2020.07.29

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2020.07.29

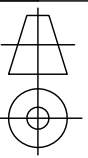
APPROVED: 江树仁
2020.07.29

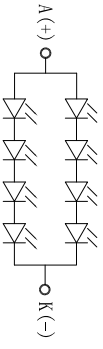
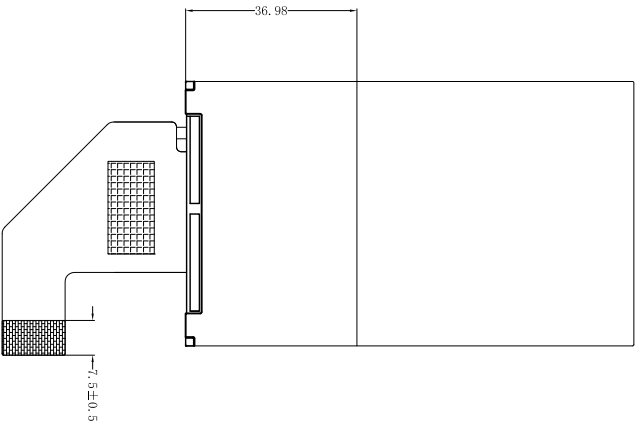
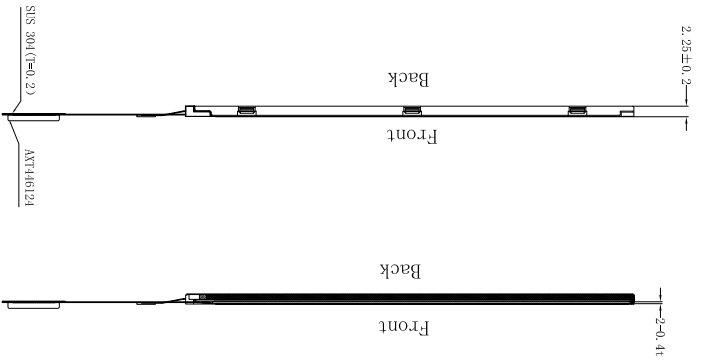
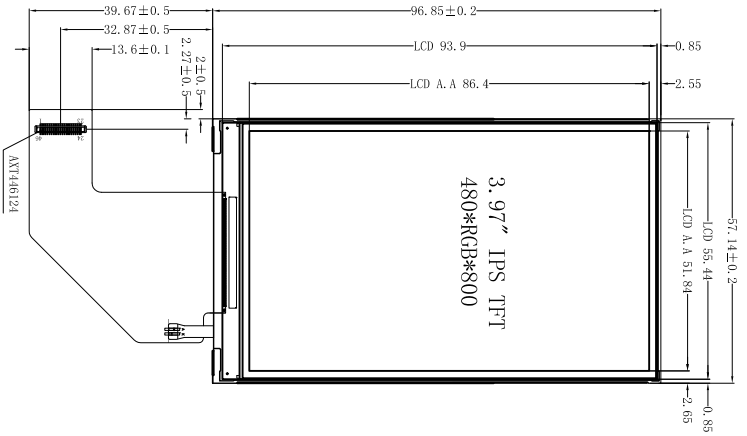
LCM NO: GWMD16950-LCM/A
DWG NO: ED-16950-LCM/A

Rev: 01
SHEET 2 OF 3

CUSTOMER APPROVAL:

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White LED (4*2)
 If=40mA, Vf=12 ± 1.2V
 Backlight circuit diagram

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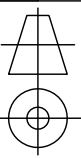
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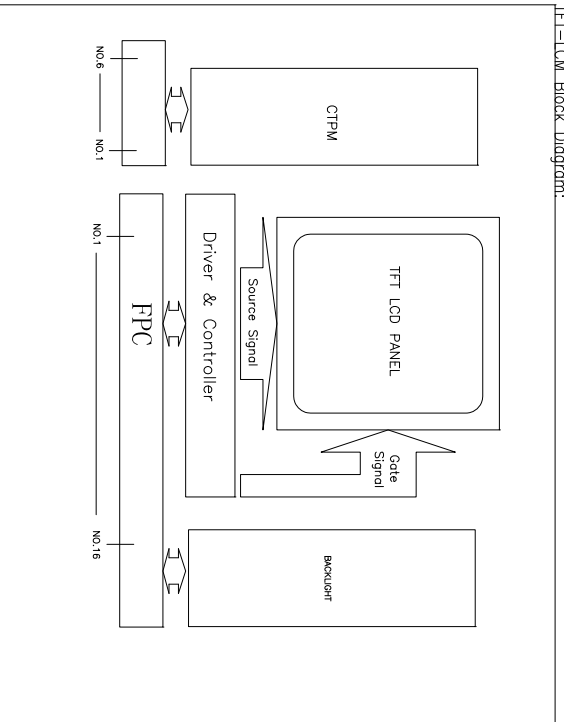
Rev: 01
 SHEET 2 OF 3
 UNITS: mm



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Electrical Part

TFT-LCM Block Diagram:



Pin:

NO.	SYMBOL	NO.	SYMBOL
1	GND	46	LED_K
2	GND	45	LED_K
3	GND	44	LED_K
4	GND	43	LED_K
5	GND	42	LED_K
6	GND	41	LED_K
7	GND	40	LED_K
8	GND	39	LED_A
9	GND	38	LED_A
10	D1_N	37	GND
11	D1_P	36	GND
12	GND	35	GND
13	CK_P	34	GND
14	CK_N	33	GND
15	GND	32	GND
16	DO_N	31	GND
17	DO_P	30	GND
18	GND	29	RST
19	GND	28	GND
20	GND	27	IOVCC
21	GND	26	GND
22	NC	25	VCI
23	NC	24	VCI

Display type: TFT/IPS /16.7M Color
 Display mode: Transmissive
 VIEWING DIRECTION: Free
 LCM Driver IC: ST7701S
 MPU interface mode: MIPI interface
 Volatage: IOVCC=1.8±0.1V, VCI=2.8±0.1V
 Backlight: 8 Chip-White LED
 Operating temperature: -20° C ~ +70° C
 Storage temperature: -30° C ~ +80° C
 Interface connector: FPC



401: Update according customer document
 A00: Original Edition
 Revision History:

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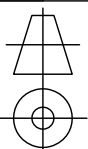
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SHEET 3 OF 3

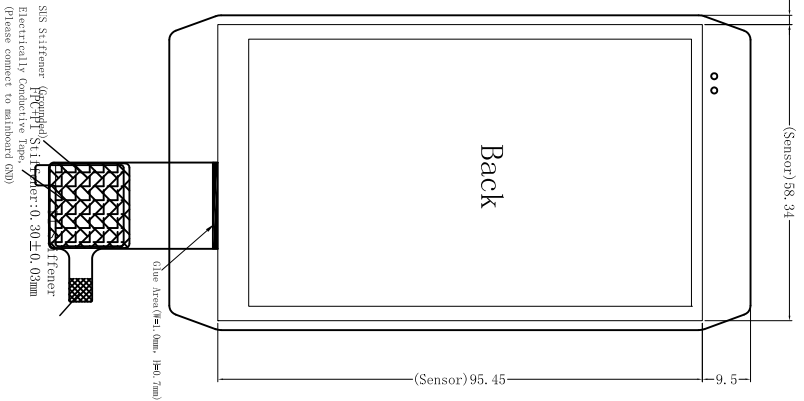
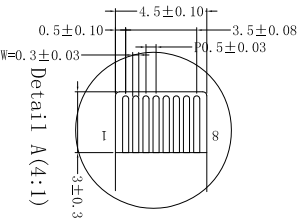
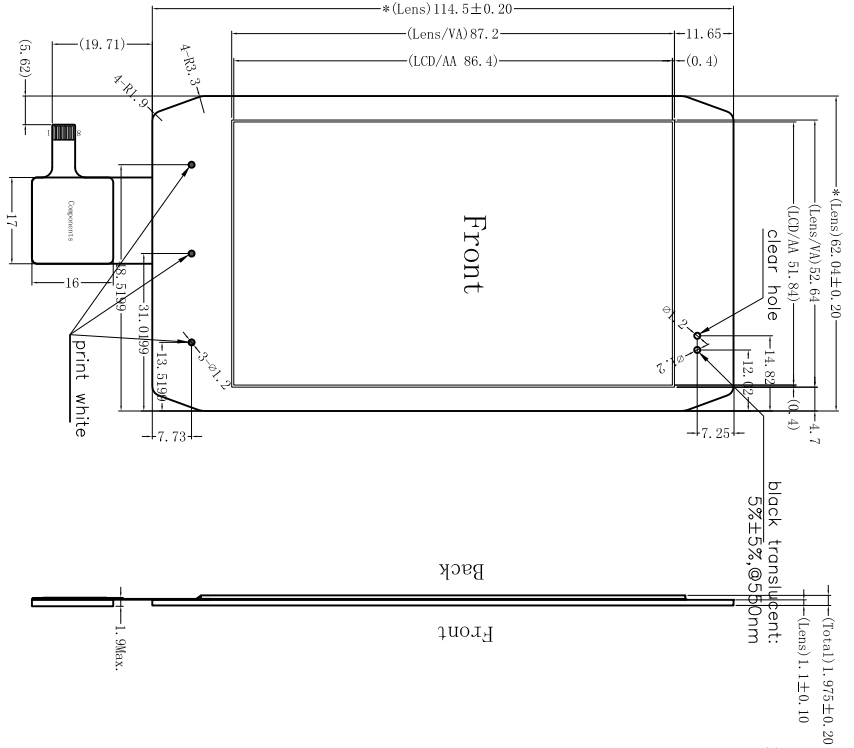




Pin Definition

PIN	NAME
1	NC
2	GND
3	SCL
4	SDA
5	VDDIO_VA
6	INT
7	VDD_VA
8	RESET

Note:
 IC: mXT308U
 AVDD/VDD=3.3±0.1V
 IOVDD=1.8±0.1V
 Undefined tolerance : ±0.30mm
 Operating temp.: -20~60° C
 Storage temp.: -30~80° C
 Dimensions with () are for reference



Dimensions with * are pivotal

A00: Original Edition.

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郑清交

2020-07-28

LCM NO: GWTC16952-CTPM/A

Rev: 00

UNITS: mm

DWG NO: ED-16952-CTPM/A

SHEET 1 OF 1

