

ALL UNMARKED TOLERANCE:  $\pm 0.3\text{mm}$   
 DIMENSION WITH \* IS SIGNIFICANT DIMENSION  
 DIMENSION WITH ( ) IS REFERENCE DIMENSION

4	FPC	1
3	BEZEL(TOP)	1
2	TFT LCD	1
1	Backlight (with BEZ)	1
NO	Part Name	Quantity

CUSTOMER APPROVAL:

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SHANTOU GOWORLD DISPLAY CO., LTD.  
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DRAWN:

吴逸翔  
 2018.10.24

CHECKED:

陈秀丹  
 2018.10.24

APPROVED:

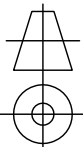
黄宏生  
 2018.10.24

LCM NO: GWM/D15829-LCM/A

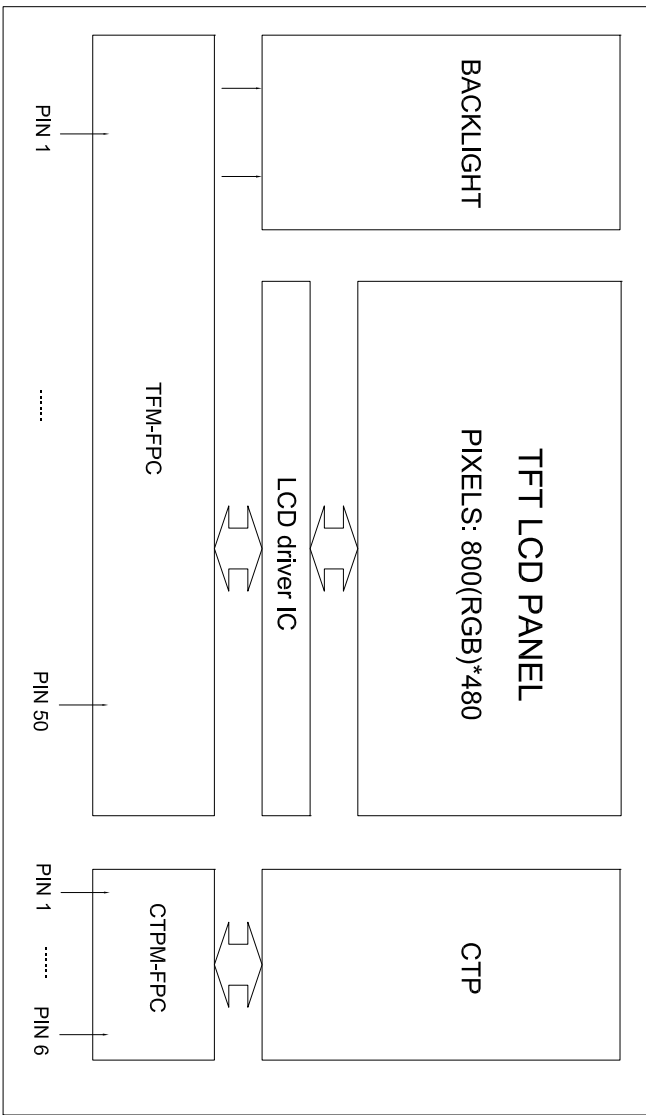
Rev: 00 UNITS: mm

DWG NO: ED-15829-LCM/A

SHEET 2 OF 3



Block Diagram



DISPLAY TYPE: TFT(TN) / 262K Color  
 DISPLAY MODE: Transmissive / Normally White  
 VIEWING DIRECTION: 12 O'clock (No Gray Inversion)  
 DRIVER IC: ILI6122 + ILI5960  
 LCD DIGITAL VOLTAGE: VDD(TFM)=3.3±0.1V  
 CTPM VOLTAGE: VDD(CTPM)=3.3±0.1V  
 TFM INTERFACE MODE: 18-bit RGB Interface  
 CTPM INTERFACE MODE: IIC  
 OPERATING TEMPRATURE: -20° ~ +70°C  
 STORAGE TEMPRATURE: -30° ~ +80°C

NOTE:  
 WITH PLEASE CHECK



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CTPM PINS:

1	Y10	Symbol
2	INT	
3	INT	
4	INT	
5	S1A	
6	N/D	

PIN NO.	Symbol	Function Description
1	GND	Ground
2	B5	Blue data input(NSB)
3	B4	Blue data input
4	B3	Blue data input
5	B2	Blue data input
6	B1	Blue data input
7	B0	Blue data input(SB)
8	G5	Green data input(NSB)
9	G4	Green data input
10	G3	Green data input
11	G2	Green data input
12	G1	Green data input
13	G0	Green data input(SB)
14	R5	Red data input(NSB)
15	R4	Red data input
16	R3	Red data input
17	R2	Red data input
18	R1	Red data input
19	R0	Red data input(SB)
20	GND	Ground
21	DCLK	Clock signal.
22	HSYNC	Horizontal sync signal
23	VSYNC	Vertical sync signal
24	DE	Input data enable control
25	VDD	Power supply for digital block.
26	NC	Non connection
27	RSTB	Hardware global reset
28	STRB	Standby mode control
29	UPDN	Gate scan direction control
30	SHLR	Source shift direction control
31	MODE	DE / SYNC mode select
32	OTHER(VDD)	Connect this pin to VDD
33	CLKPOL	Input clock edge selection
34	DECS(VDD)	Connect this pin to VDD
35	NC	Non connection
36	NC	Non connection
37	NC	Non connection
38	NC	Non connection
39	NC	Non connection
40	VGL	Power supply for Gate drive output low
41	NC	Non connection
42	VGH	Power supply for Gate drive output high
43	AVDD	Power supply for analog block
44	VCOM	Power supply for common voltage
45	VDD	Power supply for digital block.
46	GND	Ground
47	LEDK	Backlight cathode
48	LEDK+	Backlight anode
49	LEDA+	Backlight anode
50	LEDA+	Backlight anode

A00: Original Edition (base on 14753\_LCM\_C00)  
 Revision History:

-18.10.24

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 DWG NO: ED-15829-LCM/A

Rev: 00

UNITS: mm

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