


7" TFT  
1024px x 600px

Backlight Circuit Diagram


WHITE LED (7 branches x 3px)  
Constant Current Driver, I<sub>LED</sub>=40mA  
V<sub>LED(V)</sub>=V<sub>LED(V)(max.)</sub>@I<sub>LED</sub>

Customer Approval: 

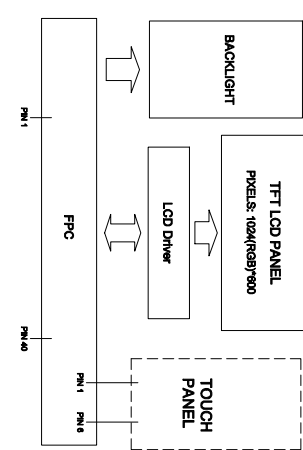
CUSTOMER APPROVAL:  
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DATE: 2024.07.22	DESIGNER: 陈秀丹	APPROVER: 黄宏生	LCD NO.: GMD1721-LCM/B	Rev: 00	UNITS: mm
DATE: 2024.07.22	DATE: 2024.07.22	DATE: 2024.07.22	DWG NO.: ED-1721-LCM/B	SHEET 0F 2	

SHANTOU GOWORLD DISPLAY CO., LTD.  
16-07-4-8819228 Fax: 0754-8533619




**Block Diagram**




**Hardware Pin Description:**

Pin	Symbol	Pin	Symbol
1	VCC1A0	21	GND
2	VCC1A1	22	CTP_RST
3	VCC1A2	23	CTP_RST
4	GND	24	CTP_RST
5	Reset	25	GND
6	STTB0	26	CTP_VDD
7	GND	27	CTP_RST
8	VDD	28	CTP_RST
9	AVDD	29	AVDD
10	GND	30	GND
11	D17	31	LEN0
12	D17	32	LEN0
13	GND	33	GND
14	D20	34	GND
15	D20	35	VOL
16	GND	36	GND
17	CLAV	37	GND
18	CLAV	38	LEN0
19	CLAV	39	LEN0
20	GND	40	LEN0

**DISPLAY TYPE:** a-si TFT (IPS mode) / 16.7M Colors  
**DISPLAY MODE:** Transmissive / Normally Black  
**VIEWING DIRECTION:** FREE  
**LCD IC:** (Souton) EK79007 (Geno) EK73217  
**LCD SUPPLY INPUT(V):** V<sub>data</sub>, Host Edata Volt.; V<sub>DD</sub>=1.8V, AV<sub>DD</sub>=1.1V, V<sub>GH</sub>=20V, V<sub>GL</sub>=7.5V  
**V<sub>COM</sub>**=-3.7V, Internally generated)  
**LCD INTERFACE:** MIPI Interface  
**BACKLIGHT:** White LED (3 pcs in series, 7 branches)  
**LCM LUMINANCE:** 280cd/m<sup>2</sup>(min.) @ I<sub>LED</sub>=40mA  
**OPERATING TEMPERATURE:** 20°C ~ +40°C  
**STORAGE TEMPERATURE:** -30°C ~ +70°C

**NOTE:** PLEASE CHECK WITH: 

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