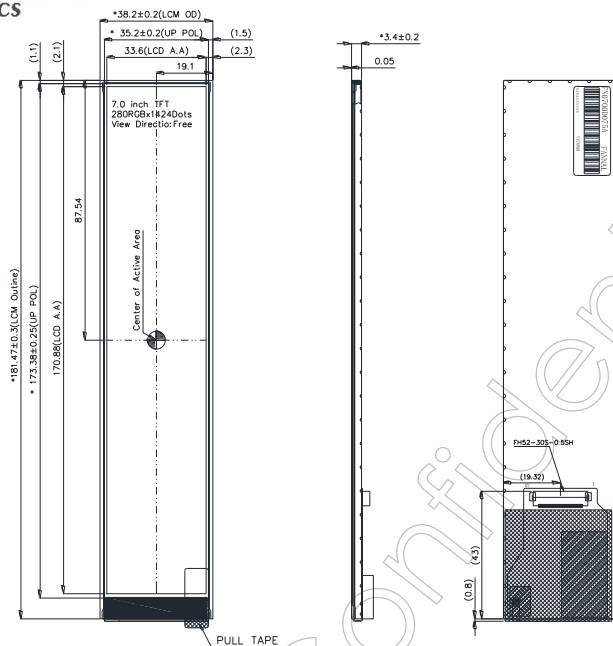




LED CIRCUIT DIAGRAM:

BACKLIGHT: 1S8P=8 CHIP-WHITE LED
IF=40mA : VF=21.0~27.5V

Parameter		Specification			Unit	Pin No.	Symbol	I/O	Description			
LCD size	7.0 (Diagonal)		inch			1	GND	P	Ground.			
Number Of Pixels	280(H)×1424(V)		pixels			2-4	VDD	P	Supply analog voltage.			
Pixel Pitch	0.120(H)x0.120(V)		mm			5	GND	P	Ground.			
Active Area	33.6(H)×170.88(V)		mm			6	RESET	I	Reset signal input.			
Module Size	38.2(W)×181.47(H)×3.4(D)		mm			7	TE	I	Serves TE(Tearing Effect)pin on MPU interface.			
Display Mode	Normally Black, Transmissive					8-9	GND	P	Ground.			
Interface	MIPI-4lane					10	D3N	I	MIPI DSI Negative differential data signal.			
Pixel arrangement	RGB-Vertical Stripe					11	D3P	I	MIPI DSI Positive differential data signal.			
View Direction	ALL				O'clock	12	GND	P	Ground.			
Power Supply	3.3				V	13	D2N	I	MIPI DSI Negative differential data signal.			
Power Consumption	1.1(Typ.)				W	14	D2P	I	MIPI DSI Positive differential data signal.			
Weight	46(Typ.)				g	15	GND	P	Ground.			
Luminance	450(Typ.)				cd/m²	16	CLKN	I	MIPI DSI Negative clock signal.			
Driver IC	OTA7290B					17	CLKP	I	MIPI DSI Positive clock signal.			
Operating Temperature	-20~+70				°C	18	GND	P	Ground.			
Storage Temperature	-30~+80				°C	19	D1N	I	MIPI DSI Negative differential data signal.			
						20	D1P	I	MIPI DSI Positive differential data signal.			
						21	GND	P	Ground.			
						22	D0N	I	MIPI DSI Negative differential data signal.			
						23	D0P	I	MIPI DSI Positive differential data signal.			
						24	GND	P	Ground.			
						25-26	NC	-	No connection.			
						27-28	LEDK	P	Power supply for LED cathode input.			
						29-30	LEDA	P	Power supply for LED anode input.			
Parameter	Symbol	Min.	Typ.	Max.	Unit	Parameter		Symbol	Min.	Typ.	Max.	Unit
Digital supply voltage	VDD	2.7	3.3	3.6	V	Forward Current Voltage		VF	21.0	25.6	27.5	V
TCON supply voltage	VCC	1.4	1.5	1.6	V	Forward Current		If	-	40	-	Ma
MIPI supply voltage	VCC_IF	1.4	1.5	1.6	V	Backlight Power Consumption		Wbl	-	1.024	-	W
Analog supply voltage	AVDD	7.0	-	10.0	V	LED Lifetime		-	-	30000	-	Hrs
Analog supply voltage	HAVDD	3.5	AVDD/2	5	V							
VGH Voltage	VGH	15	15	26	V							
VGL Voltage	VGL	-11.5	-5.0	-4.0	V							
TOP supply voltage	VMTP	7.4	7.5	7.6	V							