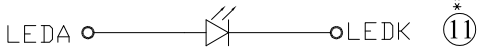
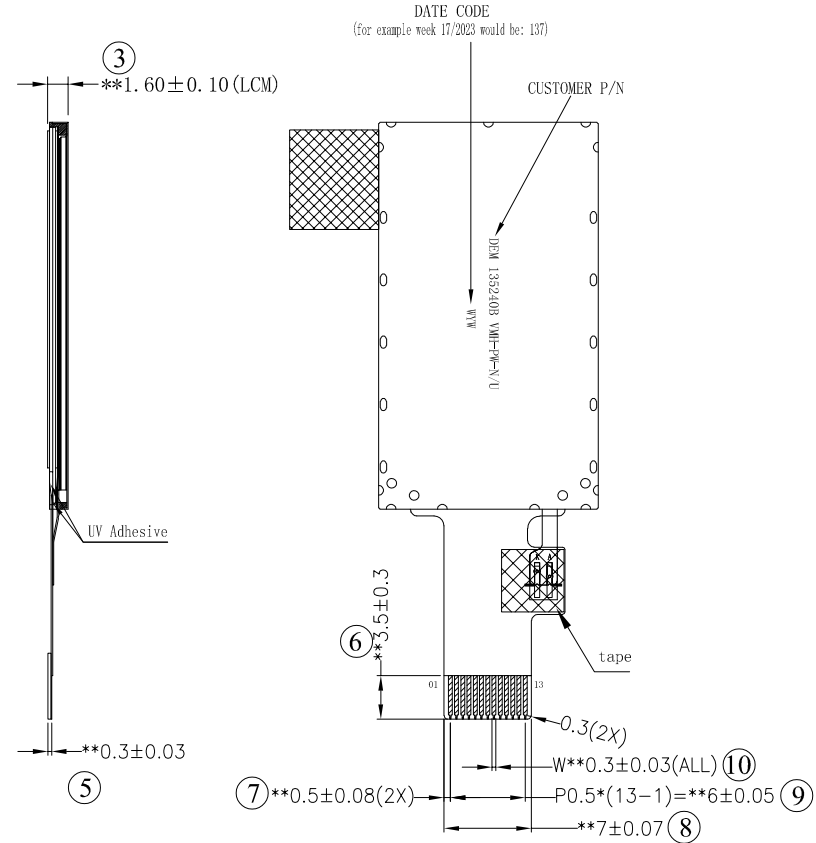
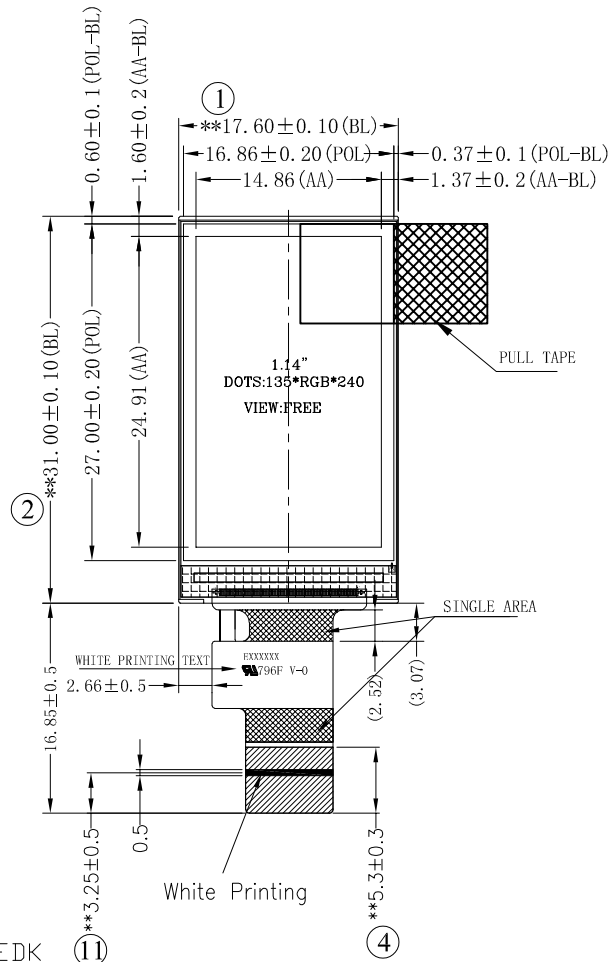


Counter-drawing revision date 图纸版本日期	2023-12-14	
Module type 模块类型	COG+FPC+BLU+PULL TAPE	
Display type 显示类型	TRANSMISSIVE/TFT(NORMAL BLACK)	
Module dimension (WxHxT), mm 模块尺寸	17.6x31x1.6mm (Excluded FPC length)	
Number of dots 点阵个数	135RGBx240 DOTS	
Dot size (WxH), mm 点阵尺寸	0.1101x0.1038	
Active area (WxH), mm 有效区	14.86x24.91	
Viewing angle 视角	FREE	
Front polarizer type 表偏光片类型	Transmissive normal	
Back polarizer type 底偏光片类型	Transmissive normal	
Driver IC P/N 驱动 IC 型号	ST7789T3-G4-1	
Driving scheme 驱动条件	N/A Duty 路数	N/A Bias 偏压
LCD driving voltage (VLCD), V LCD 驱动电压	N/A	
Interface connector type 界面连接类型	FPC	
Operating temperature 工作温度	-20 °C ~	70 °C
Storage temperature 存储温度	-30 °C ~	80 °C

ENTWURF

PIN ASSIGNMENT:

PIN	DESC
1	NC
2	NC
3	SDA
4	SDL
5	RS
6	RES
7	CS
8	GND
9	NC
10	VCC
11	LEDK
12	LEDA
13	GND



CIRCUIT DESIGN (1 CHIP LED)

FORWARD CURRENT: $I_F = 20\text{mA}$

FORWARD VOLTAGE: $V_f = 3\text{V}$ (TYP)

BACKLIGHT COLOUR: WHITE

LCM LUMIANANCE: 300cd/m^2 (TYP)

IC P/N: ST7789T3-G4-1

