






PRODUCT COUNTER-DRAWING APPROVAL SHEET

产品图纸确认书

Ordering Number 订购型号	UNC-MFGF815003-01	Customer name 客户名称	DISPLAY ELEKTRONIK GMBH				
Internal Part Number 内部型号	UNC-MFGF815003-01	Customer P/N 客户型号	DEM 240280A VMH-PW-N/U				
Counter-drawing number 图纸名称	DWG-MFGF815003-01-VERB	Customer project name 客户项目名称					
Counter-drawing revision 图纸版本	B	No Use of Prohibited Substances defined in SOP-E-QS-009 and Only purchase Designated Raw Materials from Green Partners. (不使用SOP-E-QS-009 有害物质管控要求清单中禁止使用的物质; 指定原材料从绿色伙伴中购买) ✓ YES NO					
Counter-drawing revision date 图纸版本日期	2023-06-14						
Module type 模块类型	COG+FPC+BLU+PULL TAPE						
Display type 显示类型	TFT(NORMAL BLACK)/TRANSMISSIVE						
Module dimension (WxHxT), mm 模块尺寸	26.77 x 33.45 x 1.56mm (EXCLUDE FPC length)						
Number of dots 点阵个数	240 x R.G.B. x 280 DOTS						
Dot size (WxH), mm 点阵尺寸							
Display area (WxH), mm 显示区	24.77 x 28.9						
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	ST7789P3	Customer Special Requirement:					
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						
Prepared by: 作成	HD Li	Checked by: 检查		Checked by: 审核		Approved by: 批准	
Date/日期	2023-06-14		2023-06-14		2023-06-14		2023-06-14

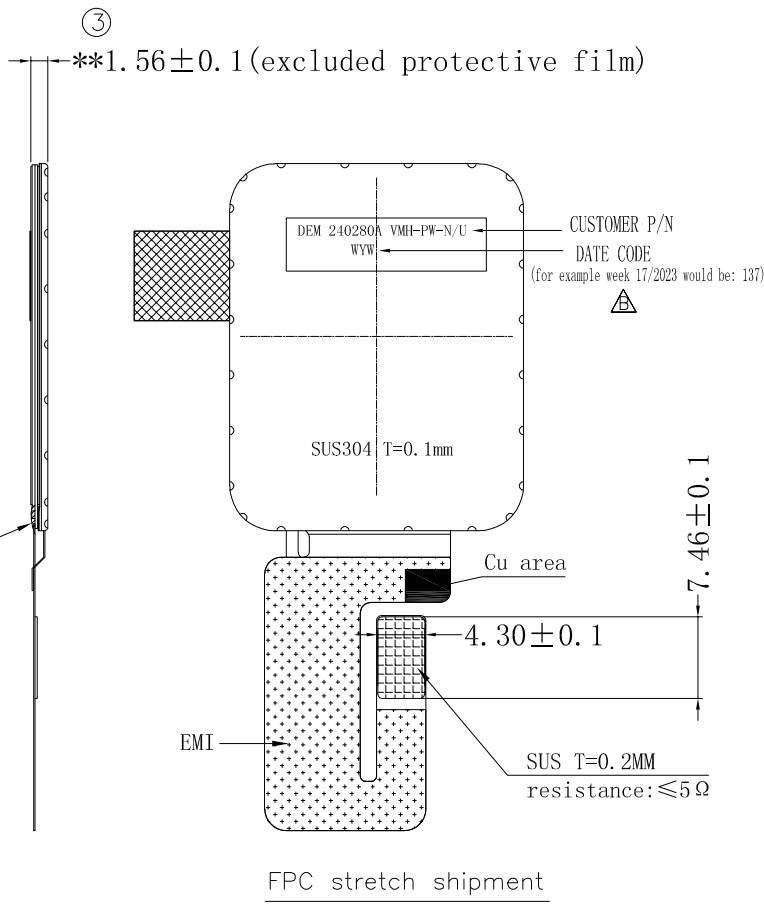
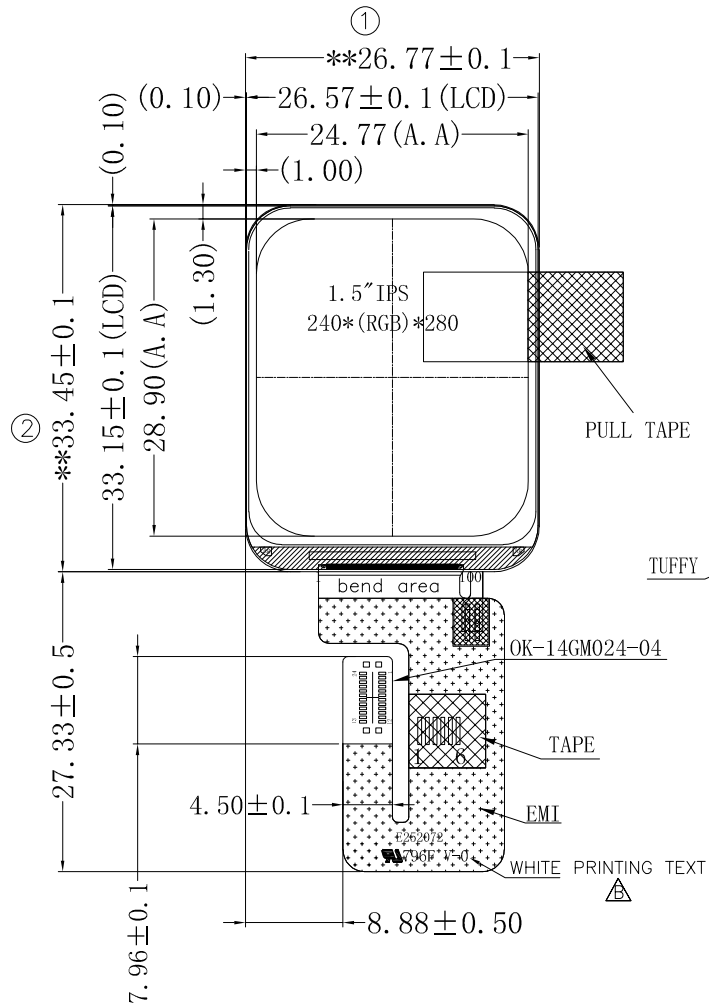
Note: To shorten the prototype development leadtime, please return the signed drawing specification or any comments within 3 days.

CUSTOMER FEEDBACK INFORMATION/客户反馈信息		
CUSTOMER APPRAISE 客户评价	CUSTOMER'S REQUEST FOR CHANGES 客户要求改善意见	AUTOGRAPH 客户签字
<input type="checkbox"/> Drawing approved/图纸确认		
<input type="checkbox"/> Drawing not approved. Request for changes. 图纸不确认. 要求更改		

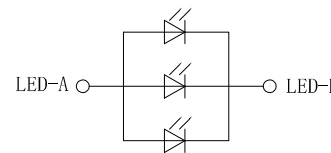
编号: F-RD-007-A0
保存期限: 产品失效期再加一个日历年

PIN ASSIGNMENT:

NO.	SYMBOL
1	D07
2	D06
3	D05
4	D04
5	D03
6	D02
7	D01
8	D00
9	RESET
10	WR
11	RS
12	CS
13	GND
14	TE
15	VDD+RD
16	LEDK
17	LEDA
18	GND
19	NC (TP-SCL)
20	NC (TP-SDA)
21	NC (TP-RST)
22	NC (TP-INT)
23	NC (TP-VDD)
24	NC (GND)



CIRCUIT DIAGRAM



FORWARD VOLTAGE: $V_F=3.0V(\text{typ})$
 FORWARD CURRENT: $I_F=60\text{mA}$
 BACKLIGHT TYPE: 3 CHIP WHITE LEDS
 LCM LUMINANCE: $500\text{cd}/\text{m}^2(\text{min})$

NOTE:
 1. "◇"SPECIAL DIMENSION(PPK/CPK DATA NEEDED>1.67)
 2. "**"CONTROL DIMENSION
 3. No Use of Prohibited Substances defined in SOP-E-QS-009 and Only purchase Designated Raw Materials from Green Partners.
 4. DRIVER IC : ST7789P3;

QTN No.	VIEWING DIRECTION	FREQ
CUSTOMER NAME	INTERFACE TYPE	MCU-8bit
CUSTOMER P/N	op	20°C ~ 70°C
	Tst	-30°C ~ 80°C

△ ADD WHITE PRINTING TEXT, CHANGE DATE CODE LHD 230614
 △ FIRST ISSUE LHD 230523
 SYM REVISION RECORD REVISED BY DATE

UNC-MFGF815003-01 Unicorn Electronic(ShenZhen)Co Ltd.
 UNSPECIFIED TOLERANCE: ±0.2
 VERSION B DWG-MFGF815003-01-VERB
 APPR'D BY DATI CHECK BY DATE CHECK BY DATE DATE DRAWING BY DATE PAGE
 Binggo 230614 SYQ 230614 XLN 230614 LHD 230614 1-1

TFT MODULE DRAWING

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