

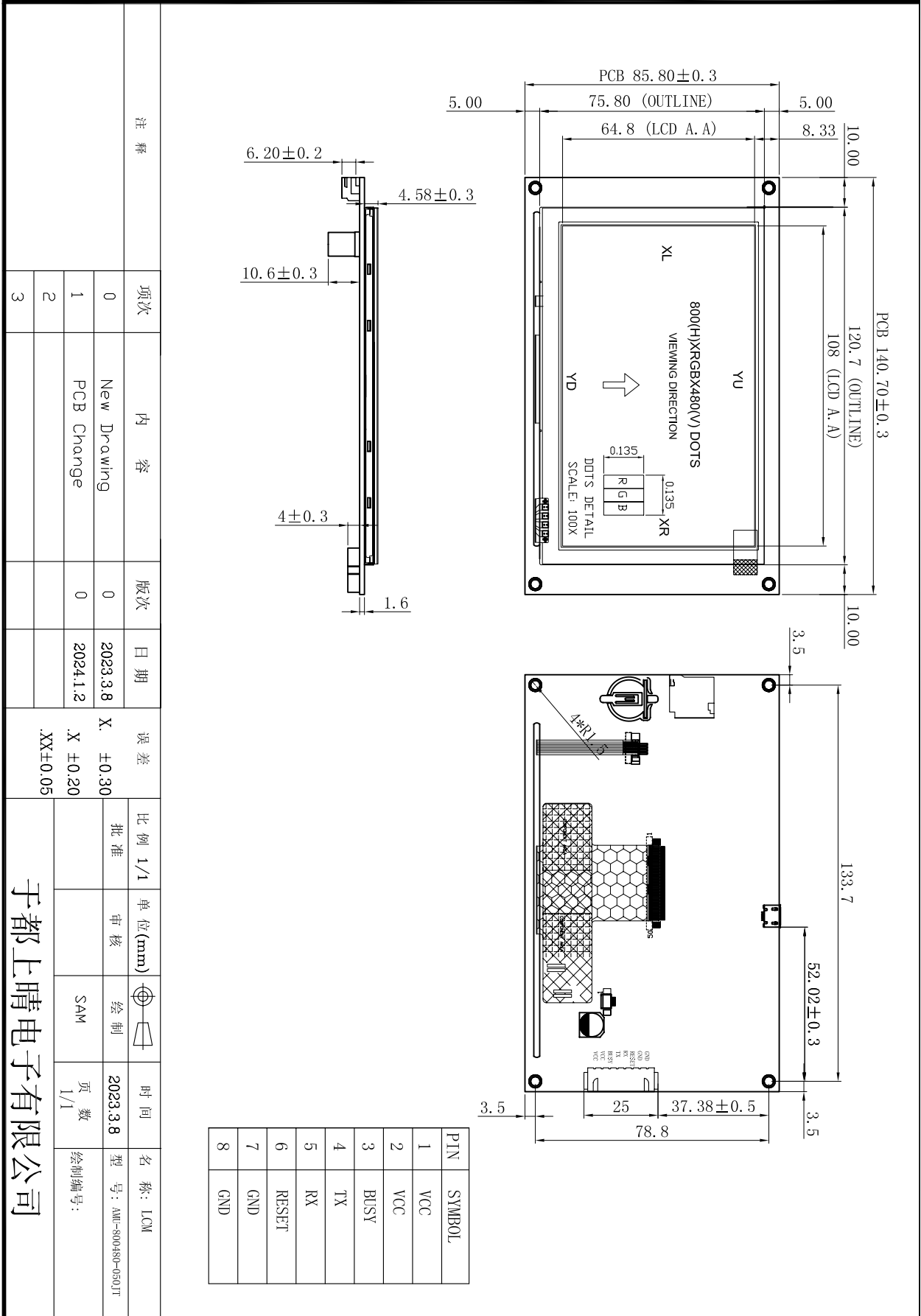
# Specification for Approval

Customer: \_\_\_\_\_

Model Name: \_\_\_\_\_

Supplier Approval			Customer approval
R&D Designed	R&D Approved	QC Approved	
Peter	Peng Jun		





项次	内容	版次	日期	误差	比例	单位(mm)	审核	绘制	时间	名称
0	New Drawing	0	2023.3.8	X. ±0.30	1/1				2023.3.8	LCM
1	PCB Change	0	2024.1.2	X ±0.20						型号: AMU-800480-050JT
2										绘制编号:
3										

于都上晴电子有限公司

## General Information

Product Parameters	
Model	AMU-800480-050JT-B
Series	Basic
Core processor	ARM Cortex-M7 MCU, 128 KB Flash, 1.4MB RAM, 280 MHz CPU
Operating system	None, operation upon power-on,FPGA pure hardware display driver
Protocol	AMSON configure command set (Parts can be upgraded to be compatible with MODBUS
Size	5.0inch
Resolution	800x480
Memory space	1Gbit
Font library	ASCII, GBK, GB2312, UNICODE libraries with various dot matrices. User-definable display font.
Image storage	Store various images.
Color	16.7M color, 24-bit RGB
Voltage	5-26V (error±0.2V)
Communication interface	UART
Connector specification	XH2.54-8P
Image download	Support Micro USB/ TF Card (Micro SD Card)/UART, Micro USB for R&D, TF Card (Micro SD Card) download for production.
Real-time clock (RTC)	Support countdown, timer, year-month-day display
Active area (mm)	W x H = 108 x 64.8
Dimension (mm)	W x H = 140.70 x 85.80
AV input	Not supported
Audio	Not supported
Video	Not supported
Ethernet	Not supported
Wi-Fi	Not supported

## Touch panel

Touch panel type	Resistive
Mode	Single-point
Surface hardness	3H
Transmittance	78%

## LCD display

Display type	TFT LCD
Backlight tube	LED
Brightness (cd/m <sup>2</sup> )	300
Backlight life (h)	50000
Contrast	500
Gray Scale Inversion Direction	6 O'clock
Eyes Viewing Direction	12 o'clock

## Environment and certificate

Operation temp.	-20 to 70°C
Storage temp.	-30 to 80°C
Vibration test	Frequency: 10Hz~55Hz~10Hz Amplitude: 1.5MM X, Y, Z direction for total 3 hours
ESD test	Voltage: ±8KV, R:330Ω, C:150PF, Air Mode, 10times
High & low temp. test	Operation: 70°C±2°C × 96 hours Operation: -20°C±2°C × 96 hours Storage: 80°C±2°C × 96 hours Storage: -30°C±2°C × 96 hours