

SMART DISPLAY MODULE SPECIFICATION

1.3 Inch Smart Knob Display	
Model:	UEDX24240013-MD50T
Version:	V2.0
Date:	2024-02-18

Customer Confirmation 客户确认

Approved by	Notes

REVISION HISTORY

Revision 版本号	Date 日期	Contents of Revision Change 修改内容	Remark 备注
V1.0	20220820	Preliminary release	
V2.0	20240218	Change to English version	

TABLE of CONTENTS

1. INTRODUCTION	4
1.1 Features	4
1.2 Appearance picture	5
2. PRODUCT INFORMATION	6
2.1 Interface Description	6
2.2 Display Information	6
2.3 Voltage & Current	7
2.4 Reliability Test	7
3. MECHANICAL DRAWING	8
4. RELATED DOWNLOADS	9

1. Introduction

1.1 Features

Brief Info:

- 1) Outline Dimension: ϕ 50 Round
- 2) Interaction Method: Rotate and Press
- 3) Shell Color: Black/White/Silver/Customized
- 4) Power: DC 5V, 100mA

System

- 1) OS: GUI
- 2) CPU: ARM Cortex-M0 64Mhz
- 3) RAM: 8KB
- 4) Flash: 8MB
- 5) Interface: UART

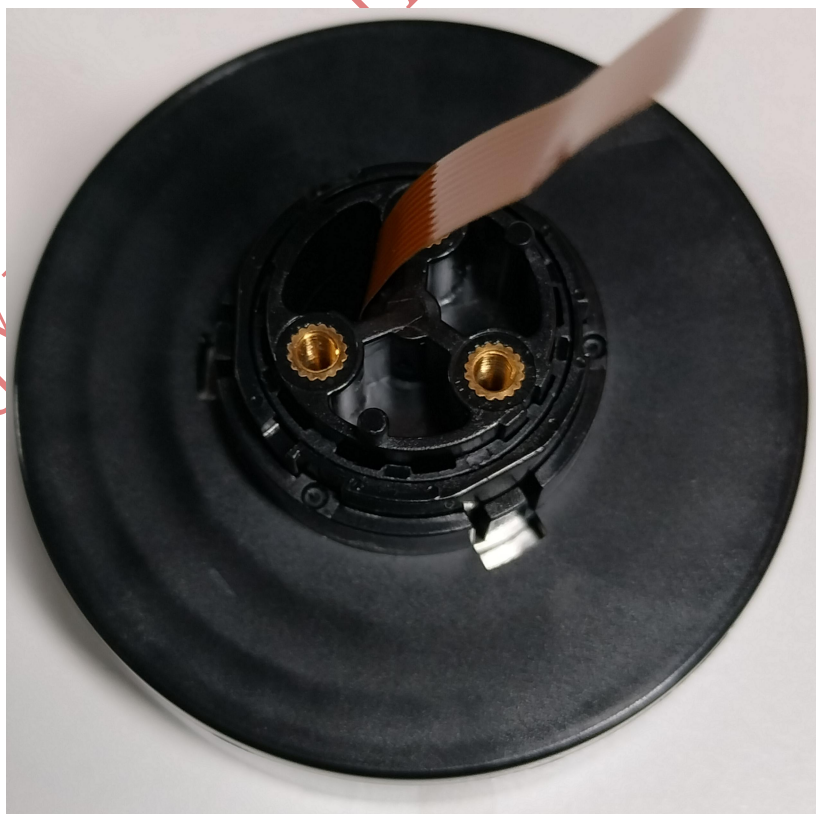
Display

- 1) Size: 1.3 Inch
- 2) Resolution: 240*240
- 3) Mode: IPS
- 4) Brightness: 300 cd/m²
- 5) Touch: without

Other

- 1) Operation Temperature: -20~70°C
- 2) Storage Temperature: -30~80°C

1.2 Appearance picture



2. Product information

2.1 Interface Description

Pin NO.	Symbol	Description	Voltage Range	Remarks
1	VCC	Power 5V	5V	
2	IO	GPIO7, Reserve IO	0-3.3V	
3	GND	Grounds	0V	
4	RX2	UART2 Receive	0-3.3V	
5	TX2	UART2 Transmit	0-3.3V	
6	RX1	UART1 Receive	0-3.3V	
7	TX1	UART1 Transmit	0-3.3V	
8	RST	Reset signal, do not connect if not in use	0-3.3V	
9	SWCLK	Burning recording port	0-3.3V	
10	SWDIO	Burning recording port	0-3.3V	

The connector specifications is 10PIN 0.5mm pitch

2.2 Display Information

Item	Parameter	Description
Color	65K colors	R5G6B5 16bits
AA	32.40(W)*32.40(H)	1.3 inch
Resolution	240*240	Round
Backlight	LED	30000Hour Min
Brightness	300 cd/m ²	

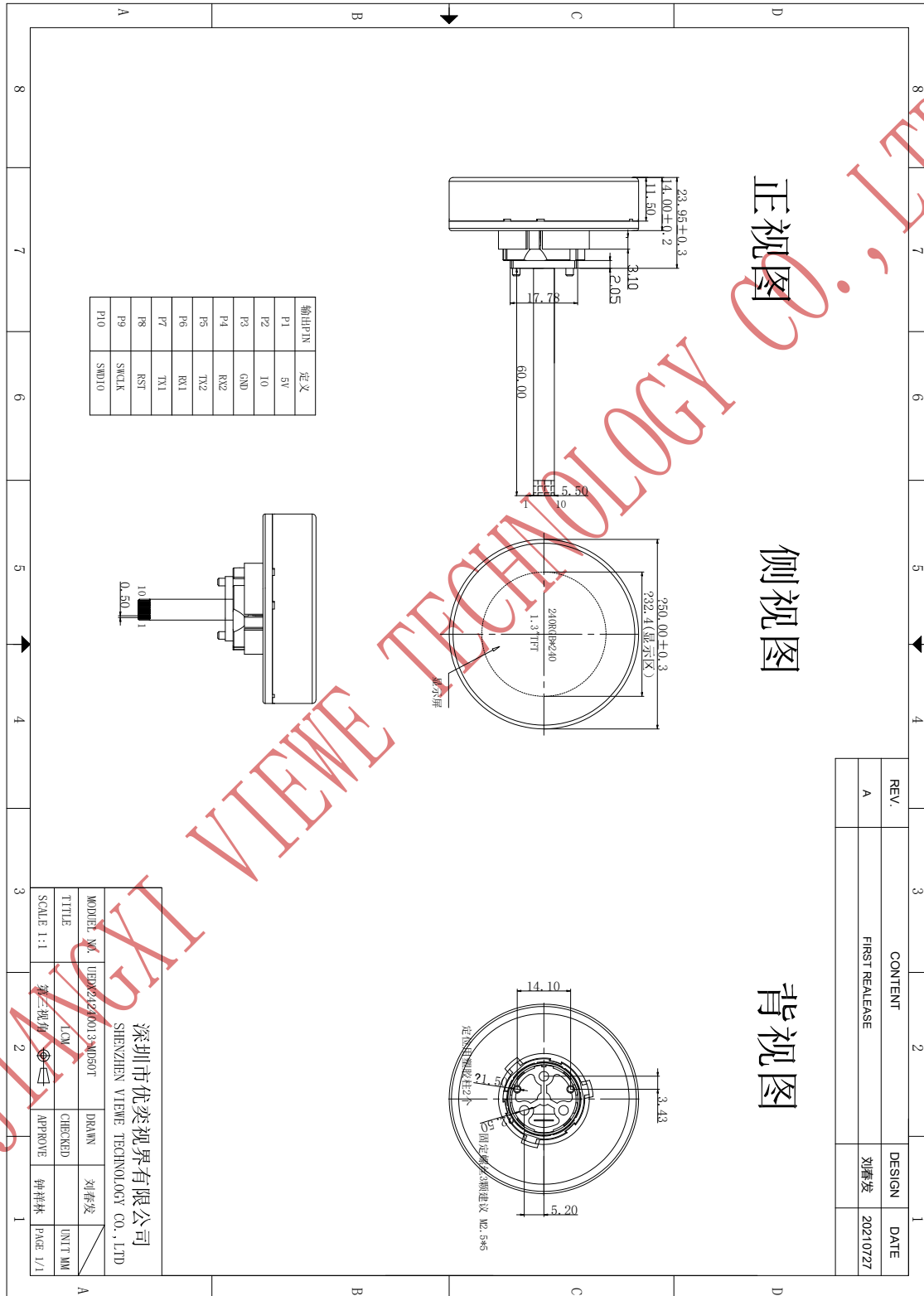
2.3 Voltage & Current

Item	Conditions	Min	Typ	Max	Unit
Power Voltage	DC	4.0	5.0	5.5	V
Operation Current	VCC= +5V, Maximum backlight current	50	100	150	mA
	VCC= +5V, backlight off	-	50	-	mA
Recommended power supply: 5V 1A DC					

2.4 Reliability Test

Item	Conditions	Min	Typ	Max	Unit
Working Temperature	60%RH at 5V voltage	-20	25	70	C
Storage Temperature	---	-30	25	85	C
Working Humidity	25°C	10%	60%	90%	RH
ESD	---	Contact: ±4KV Air: ±8KV			KV

3. MECHANICAL DRAWING



4. Related downloads

<https://pan.baidu.com/s/1ApzNABdoT0ieyGQwTSzsFQ?pwd=D50T>

JIANGXI VIEWE TECHNOLOGY CO., LTD