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AVD-IOT-DA-C021M

规格书

客户确认:

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	签名	日期
编制	陈训	2021.04.24
确认	林志远	2021.04.24
批准	吕庆喜	2021.04.24

Notes:

Please contact AVD before assigning your product based on this module specification.

2、To improve the quality of product, and this product specification is subject to change without any notice.

Rev No.	Rev date	Contents	Remarks
0	2021.04.24	First release	Preliminary

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1. 产品介绍

AVD-IOT-DA-C021M 是一款 5 寸触摸显示模组，适用于零售自助、POS 机、门禁、条件接入、工业自动化等。

2. 接口定义

2.1 Power Supply Interface (12V IN)



2.2 Touch Panel Interface (TP)

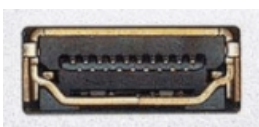
Pin No.	Symbol	Description
1	VBUS	Power supply 5V
2	D-	USB data-
3	D+	USB data+
4	NC	NC
5	GND	Ground



Micro USB

2.3 HD DIS Interface

Pin No	Symbol	Pin No	Symbol
1	TMDS Data 2+	11	GND
2	GND	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+	14	Reserved
5	GND	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	GND
8	GND	18	+5V
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock +		



TYPE-A

3. LCD 技术规格

序号	项目	内容	单位
1	LCD size	5.0inch (Diagonal)	/
2	LCD type	IPS/Normally Black/Transmissive	/
3	Viewing direction(eye)	FREE	/
4	Resolution(H*V)	800*480 Pixels	/
5	Module size (L*W*H)	120.70*75.80*2.80	mm
6	Active area (L*W)	108.00*64.8	mm
7	Pixel pitch (L*W)	0.135*0.135	mm
8	Interface type	RGB 24Bit interface	/
9	Color Depth	16.7M	/
10	Back light type	LED	/

4. 背光特性

(at Ta=25°C,RH=60%)

Item	Symbol	Min.	Typ.	Max.	Unit	Note
LED forward voltage	VF	14.5	15.5	16.5	V	IF=20*4mA
LED forward current	IF	-	80	-	mA	
LED power consumption	PLED	-	1.24	-	W	Note1
Number of LED	-		20		PCS	
Connection mode	-	5 in series 4 in parallel			/	
LED life-time	-	20000	-	-	Hrs	Note2

5. 触摸屏技术规格

序号	项目	描述
1	Type	Capacitive touch
2	Power	5V
3	Support finger number	5 Point
4	Touch System Interface	Micro USB

6. 结构图
