
Specification

1、 **Product Name: Capacitive Touchscreen Control Card.**

2、 **Product Number: WD8752_6442_V1**

3、 **Product Features :**

Class (Item)	Specifications (Spec.)	Remarks
Product Structure	PCB	
Outline Dimensions	94*30mm	
Thickness	5. 2mm	

4、 **Behaviour of Electricity :**

Class (Item)	Specifications (Spec.)	Remarks
Sensing IC	WDT8752A	
Sensor Channel Count (Number of Channels)	MAX. TX:40 * RX:62	RX compatible with both 64-pin and 54-pin connectors
Support Contact	10	
Operating System	WinXP、Win7、Win8、Win10、 Android、Linux、Mac OS	
Power consumption (mW)	Active Mode: 200 mW (typical value); Sleep Mode: 5 mW (typical value).	
Working voltage	5V (USB) /3. 3V/1. 8V (I IC)	
Response Time	<10ms	
Electrostatic Discharge (ESD) Rating	Air: 15 kV; Contact: 8 kV	

5、 Major Function

Interface: A. USB

B. I2C Support: Compatible With RK, Allwinner, Samsung, MTK, Intel, and Other Motherboard Manufacturers.

C. UART Supports Various KTV Protocols.

Supports waterproofing;

Supports palm rejection;

Supports Power On Palm Rejection;

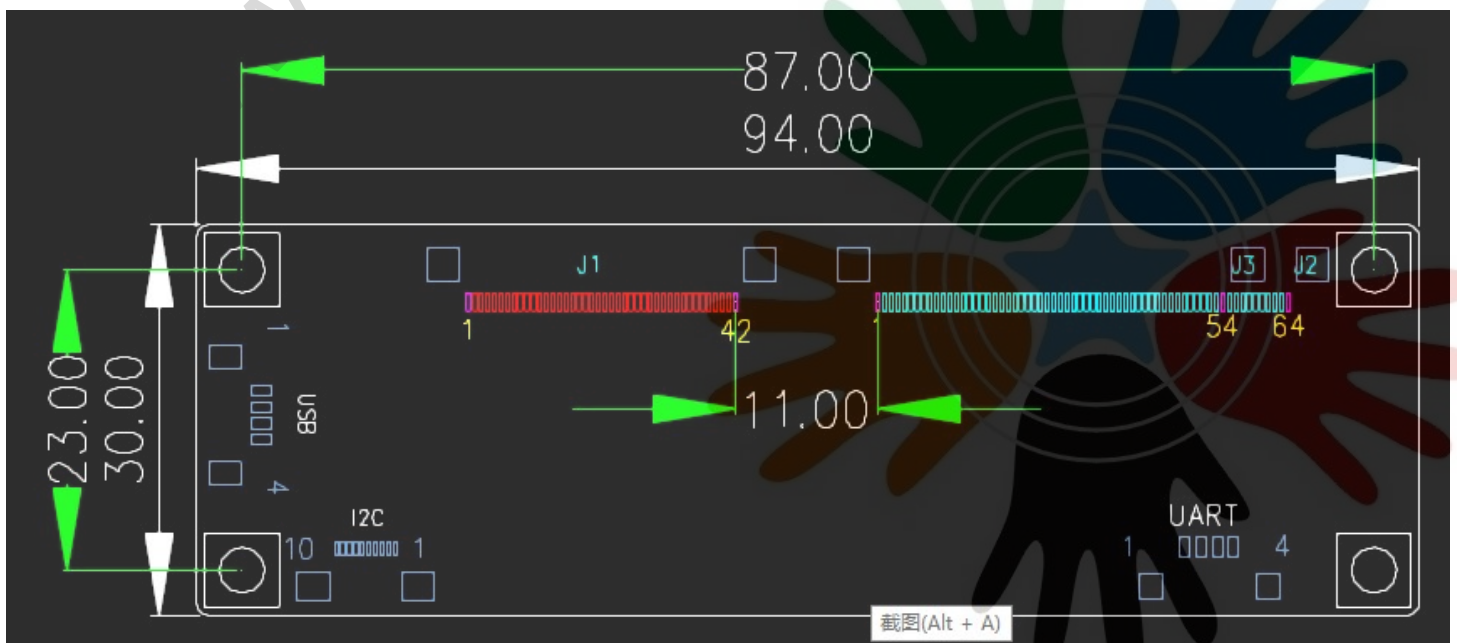
Supports pencil writing (requires TP design);

Supports a 6 mm thick cover plate (requires specific TP design specifications);

Supports gloves;

Supports high-impedance TP;

6、 Assumption Diagram :



7、 Interface Definition:

USB		I2C		J1		J2	
PIN	Definition	PIN	Definition	PIN	Definition	PIN	Definition
1	VDD	1	GND	1	GND	1	GND
2	DM(白色)	2	GND	2	TX1	2	RX1
3	DP(绿色)	3	RESET	3	TX2	3	RX2
4	GND	4	INT				
UART		5	GND	40	TX39	62	RX61
PIN	Definition	6	IIC_SCL	41	TX40	63	RX62
1	VDD	7	IIC_SDA	42	GND	64	GND
2	NC	8	VDD				
3	TXD	9	GND				
4	GND	10	GND				

8、 Picture of Real Products :

