Datasheet

DD Group

PCAP Touch Controller ITP-S4061-MA

TO-02-206

Projected Capacitive USB/I2C Touch Panel Controller

ÖÖĚ̃¦[ˇ] |aunched a Ą́ew touch control board to meet the latest Restriction of Hazardous Substances (RoHS) Directive. This touch panel controller provides the optimistic performance of your projected capacitive touch panels. It communicates with PC system directly through USB connector. You can see how superior the design is in sensitivity, accuracy and friendly operation. The touch panel driver emulates mouse left and right button function and supports operation systems as following.

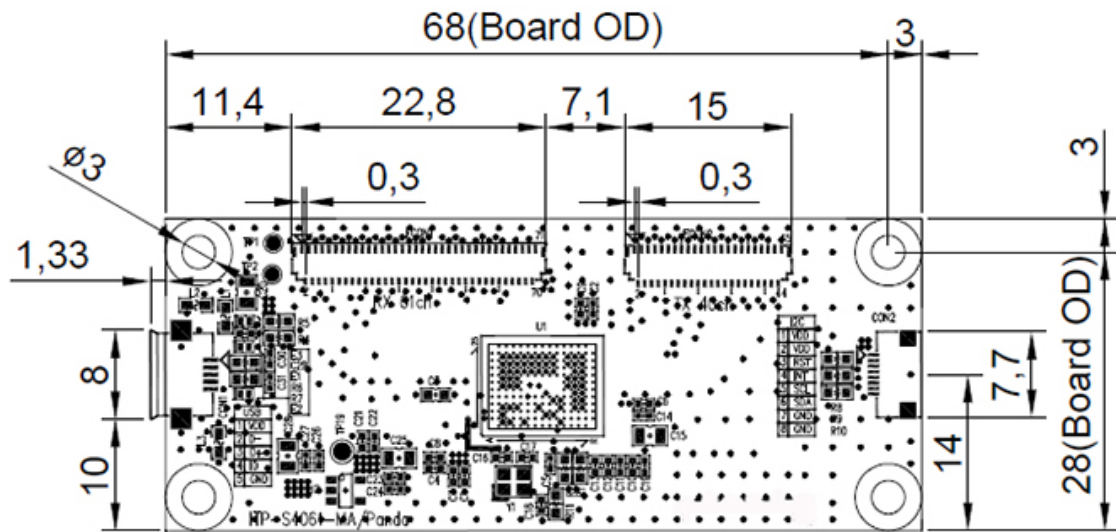| OS	Version	Interfaces
Windows	Windows 8(Need logo submission) Windows 7 Windows Vista, XP Windows XP Tablet PC edition – Partial	USB/I2C
Linux	*The new Linux driver supports most of the Linux distribution on 32/64 bit versions, including Kernel 2.4.x / 2.6.x with XFree86 4.X / Xorg 6.7 to 7.6 (Up to X server 1.9.x)* *CentOS, Debian, Fedora, Gentoo, Mandrake (Mandriva), Red Hat, Slackware, SuSE (OpenSuSE), Ubuntu (Xubuntu), Yellow Dog, Android and Meego etc.*	USB/I2C
Mac	Review required specifications	USB

Linux support table

Kernel 2.4.X / 2.6.X with Xorg 6.7 ~7.6 (Up to X server 1.9.X)									
CentOS	Red Hat	Fedora	SlackWare	Yellow Dog	Gentoo	Mandriva	Ubuntu	OpenSuse	Debian
4.X	2.1	2.0	8.1	4.1	10.1	10.1	10.04LTS	10.2	4.X
5.X	3.X	3.0	9.0	5.0	11.0	10.2	10.1	10.3	5.X
6.X	4.X	4.0	9.1	5.0.1		2006		11.0	6.X
	5.X	5.0	10.0	5.0.2		2007		11.1	
	6.X	6.0	10.1	6.0		2008		11.2	
		7.0	10.2	6.1		2009		11.3	
		8.0	11.0	6.2		2010		11.4	
		9.0	12.0	6.2.1		2011			
		10.0	12.1	6.3					
		11.0	12.2	7.0					
		12.0	13.0						
		13.0	13.1						
		14.0	13.4						
		15.0							

The SW3718 is a MCU based integrated system controller chip for capacitive touchscreen, working only for Projected Capacitive Touchscreen (PCAP/PCT) touch technology. It works with one chip ASIC for Projected capacitive touchscreen. This chip design is scalable for different sizes, numbers of sensing channels of projected capacitive sensors.

ITP-S4061-MA

Dimension:

Thickness:

Total thickness: 3.8mm ± 0.2mm
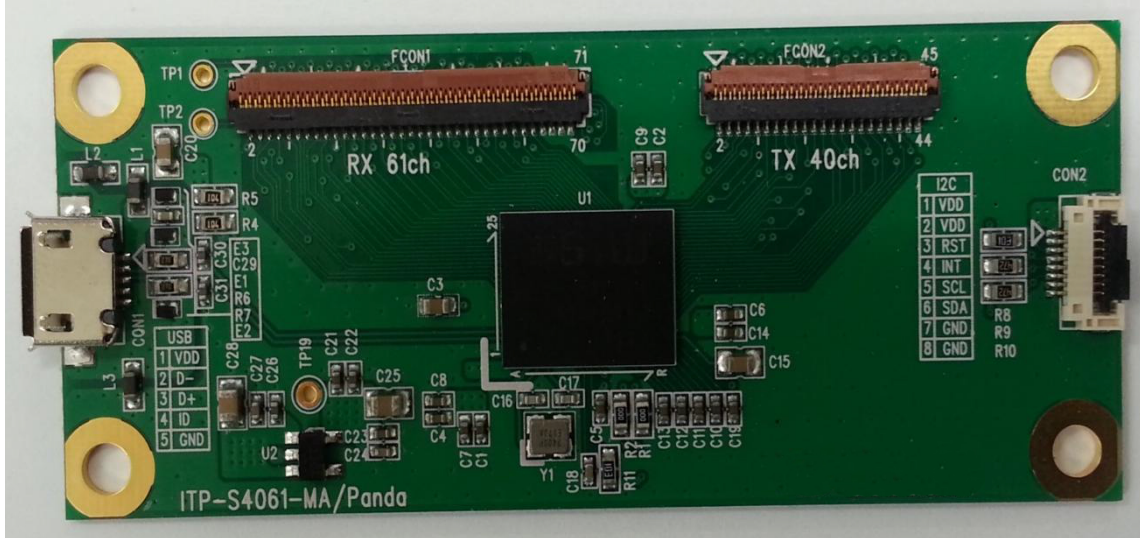(Including PCB: 1.0mm.USB connector: 2.8mm)

Specifications:

USB & I2C Type Controller	
Circuit Board Dimension	68mm x 28mm
Power Requirements	D.C.+5V (150mW Power supply)
Operating Temperature	-30 to 70 ℃
Storage Temperature	-40 to 85 ℃
Relative Humidity	95% at 60 ℃, RH Non-condensing
Interface	USB : 2.0 Full Speed (12Mbit/s) I2C : 400kHz
Resolution	4096×4096 resolution
Report rate	Max. 100Hz(10 finger touch)

Product Package:
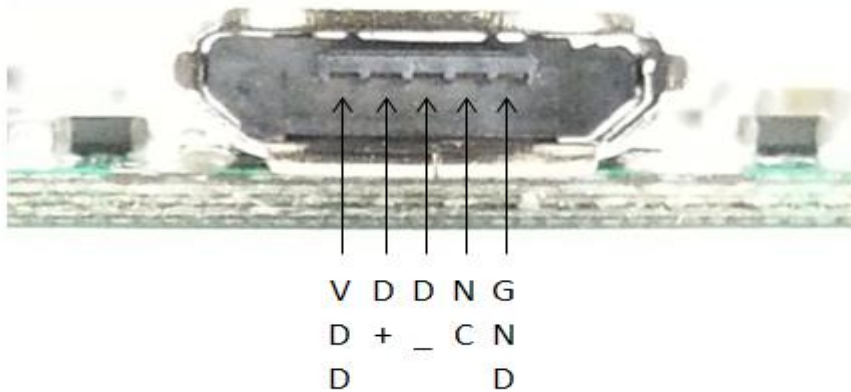
(1) ITP-S4061-MA (PCAP USB/I2C control board)
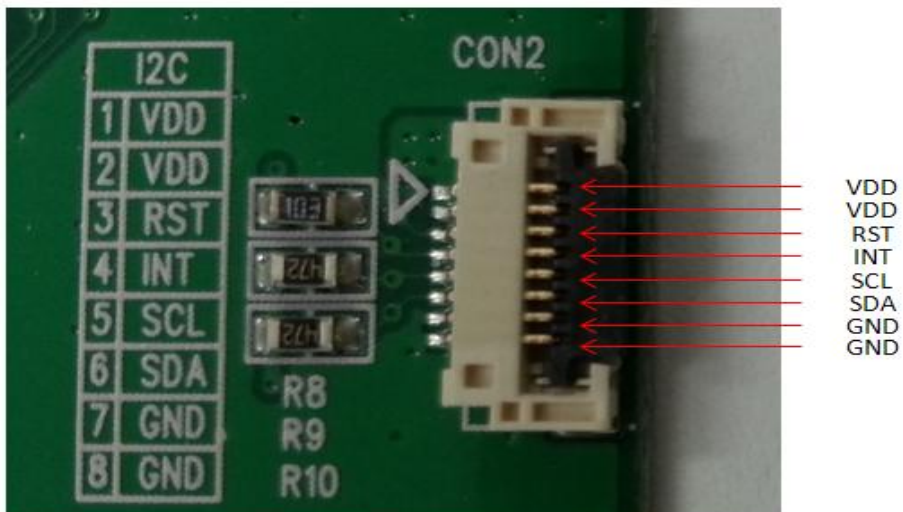
(2) Micro 5 pin usb cable
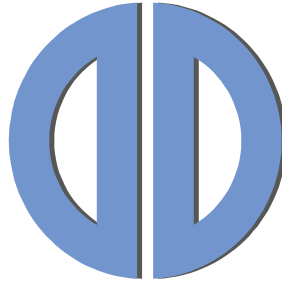
ITP-S4061-MA

Upper View:

USB Connector & Pin Assignment:


```
V  D  D  N  G
D  +  _  C  N
D        D
```

I2C Connector & Pin Assignment:

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