



DATA DISPLAY GROUP

Datasheet

DD Group

PCAP Touch Controller ITP-S4061-MA

TO-02-206

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ITP-S4061-MA

Projected Capacitive USB/I2C Touch Panel Controller

launched a new 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 | <i>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)</i> <i>CentOS, Debian, Fedora, Gentoo, Mandrake (Mandriva), Red Hat, Slackware, SuSE (OpenSuSE), Ubuntu (Xubuntu), Yellow Dog, Android and Meego etc.</i> | USB/I2C |
| Mac | Review required specifications | USB |

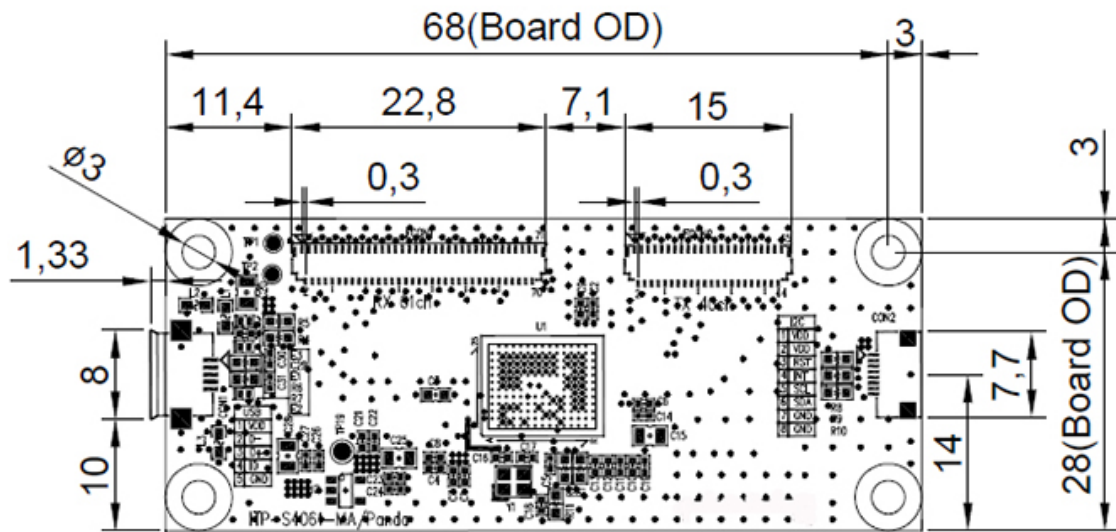
Linux support table

| 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 \pm 0.2mm
(Including PCB: 1.0mm.USB connector: 2.8mm)

Specifications:

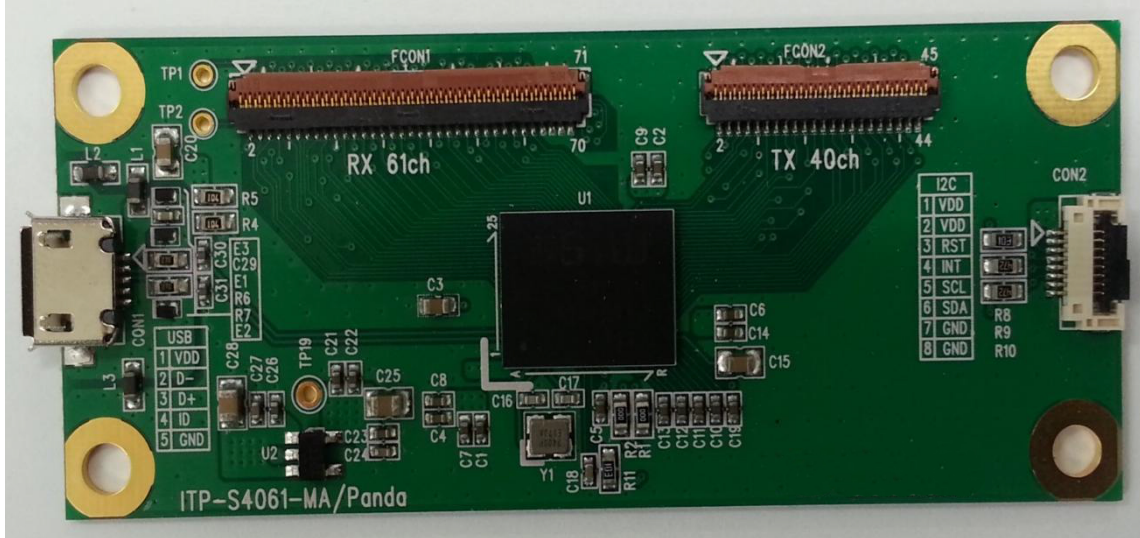
| USB & I2C Type Controller | |
|--------------------------------------|---|
| Circuit Board Dimension | 68mm x 28mm |
| Power Requirements | D.C.+5V (150mW Power supply) |
| Operating Temperature | -30 to 70 °C |
| Storage Temperature | -40 to 85 °C |
| Relative Humidity | 95% at 60 °C, RH Non-condensing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

Product Package:

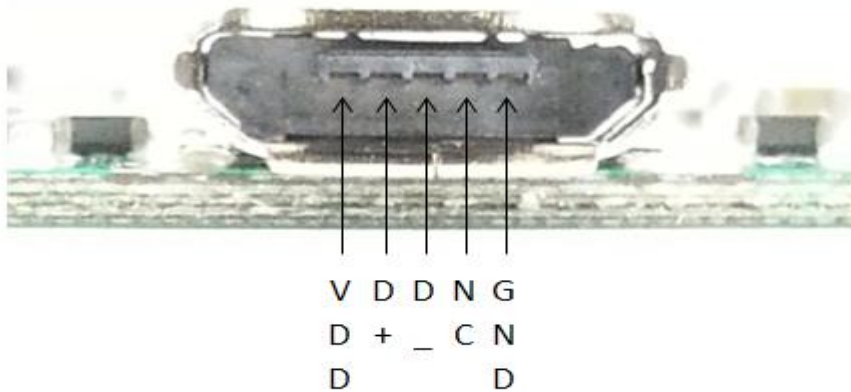
- (1) ITP-S4061-MA (PCAP USB/I2C control board)
- (2) Micro 5 pin usb cable

ITP-S4061-MA

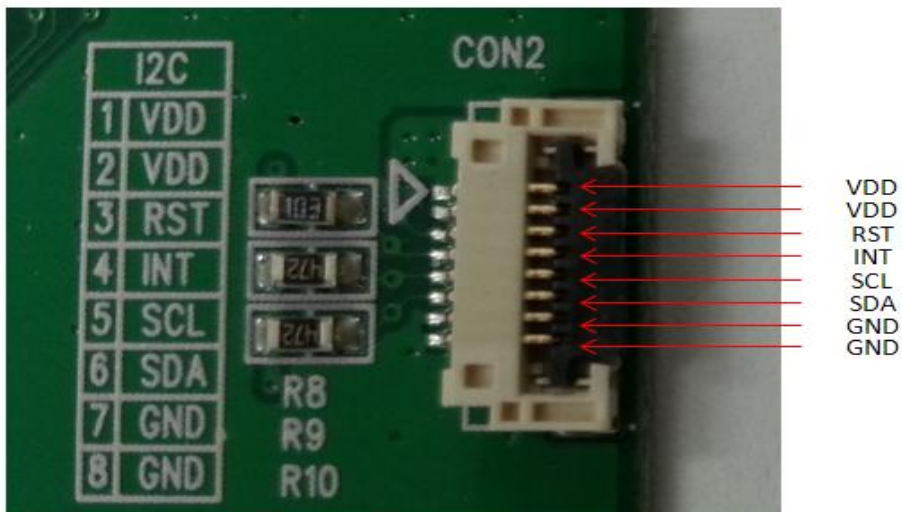
Upper View:



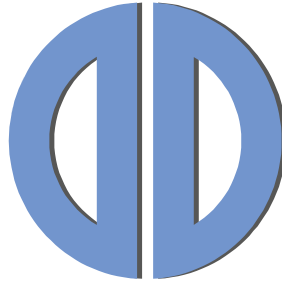
USB Connector & Pin Assignment:



I2C Connector & Pin Assignment:



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