

WTD0005
Touch Screen Controller
(For RS232 Port)

REV. 0.93
July, 6, 2001

General Description

WTD0005 are designed for electronic product which using four-wired resistance touch screen and PC RS232 peripheral application, for example handwriting pad, monitor touch screen and e-book. The purpose is to lower Host control affording in resistance touch screen to make your product can connect touch screen easily, and add your product additional value.

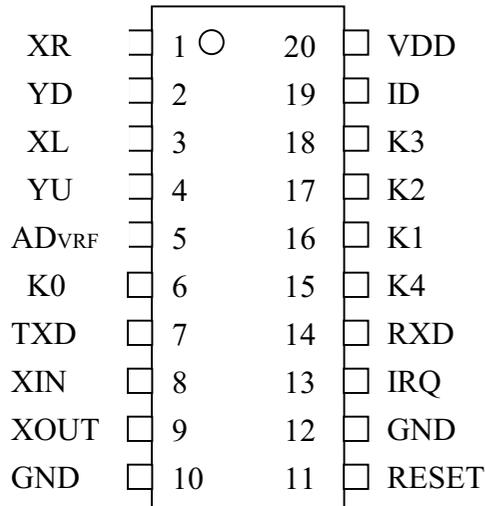
WTD0005 includes function for software filter; it can filter out unnecessary noise to lower flying-line producing rate.

Support packages, SOP-20 and dice.

Features

- 8-bit micro controller base
- 12-bit resolution analog to digital converter
- 10-bit or 12-bit selectable absolute value of X and Y axis
- Debounce and noise filter function
- RS232 serial interface
- Single Supply 2.4V to 5.5V
- SOP-20 package or Dice

Pin Assignment



WTD0005
20 pin SOP

Pin Description

PIN#	NAME	DESCRIPTION
1	XR	Connect to X panel right side
2	YD	Connect to Y panel bottom side
3	XL	Connect to Y panel left side
4	YU	Connect to X panel up side
5	ADVRF	Connect to power source
6	K0	Key 0 (Scrolling up key)
7	TXD	RS232 TXD
8	XIN	Crystal oscillator input
9	XOUT	Crystal oscillator output
10	GND	Connect to power ground
11	RESET	Device reset input low active
12	GND	Connect to power ground

13	IRQ	Connect to RS232 RXD
14	RXD	RS232 RXD
15	K4	Key 4 (Scrolling down key)
16	K1	Key 1 (Left key)
17	K2	Key 2 (Middle key)
18	K3	Key 3 (Right key)
19	ID	ID code select
20	VDD	Connect to power source