

PenMount 9036BH Touch screen Control Board

RoHS compliance (SGS test report number: [CS/2005/B0237](#))

PenMount 9036BH control board is a powerful RS-232 touch screen control board to support 4-, 5-, and 8-wire touch screens by executing the same drivers as all PenMount series control board and ICs. PenMount 9036BH is good for all



kinds of resistive touch screens, user could put PenMount 9036BH control board in different systems space and connected to system's serial interface.

PenMount 9036BH is selected the different type touch screen by dip switch, also with automatic pin adjustment by software drivers. There are two connectors on board, the first is for the power and RS-232 interface, power line is allowed to have 5V to 12V DC input, RS-232 interface cable has 9-pin D-sub connector, this connector is for 4-wire, 5-wire and 8-wire different touch screens.

Electrical Specifications:

Touch Screen:	For 4-, 5- & 8-wire analog resistive type
Touch Screen Controller	PenMount 9000 (10-bit A/D converter inside)
Communications:	RS-232
Baud Rate:	19200 and 9600 baud rate selection, N81
Resistance Range	50~1.3K
Resolution:	2048 x 2048
Mode selection:	PnP or non-PnP
Electrostatic Discharge (ESD)	Air Discharge 15KV Contact Discharge 8KV
Power Input:	5V to 12V DC for 4/8-wire touch panel 5V only for 5-wire touch panel
Mechanical Size:	60 (L) x 26 (W) x 8.3 (H) mm ; two 3φscrew holes
Portrait:	Support 90° to 270° screen rotation
Others:	Touch activate indication LED on board

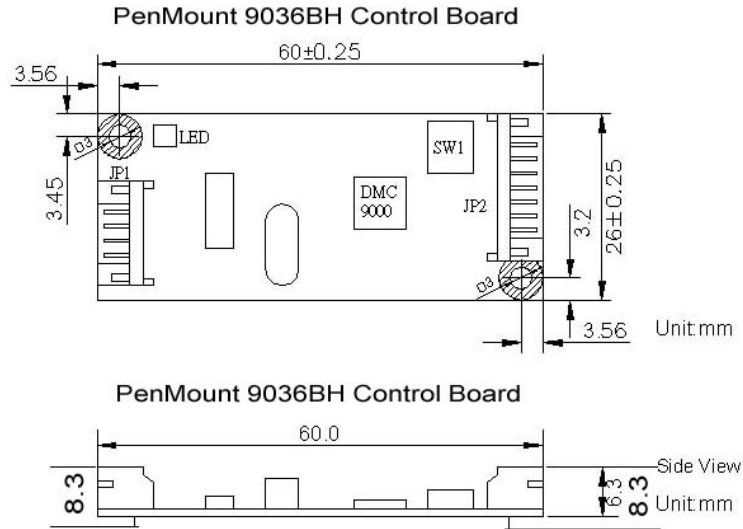
Salt International Corp.

7F-1, No. 92, Bao-Jhong Road, Shin-Dian City, Taipei 231, Taiwan.R.O.C
Tel:+886 2 2914-6684 Fax: +886 2 2911-5345 Web:www.salt.com.tw

Driver Software

DOS, Windows 3.11, Windows 95/98/Me/2000/XP/2003/Vista, Linux (up to kernel 2.6), QNX 6.2/6.3, Windows CE 4.2/5.0/6.0 (for X86, Armv4, Armv4i platform); Solaris 10

Mechanical Size



Connector Definition

JP1: Pin 1 and P2: Pin 1: 'Ground', Pin 2: Power Input

Pin 3 to Pin 6: PIN3: RTS PIN4: TXD PIN5: RXD PIN6: Ground

JP2: Touch Screen Lines:

	8-Wire	4-Wire	5-Wire
PIN1	Ground	Ground	Ground
PIN2	Top	Top	UL
PIN3	Bottom	Bottom	UR
PIN4	Left	Left	LL
PIN5	Right	Right	LR
PIN6	Top Sense	---	Sense
PIN7	Bottom Sense	---	---
PIN8	Left Sense	---	---
PIN9	Right Sense	---	---

SW1:

	ON	OFF
1	9600 baud rate	*19200 baud rate
2	Non-PNP mode	*PNP mode
3	5 wire	4,8 wire
4	4,8 wire	5 wire

* Default

Salt International Corp.

7F-1, No. 92, Bao-Jhong Road, Shin-Dian City, Taipei 231, Taiwan.R.O.C
Tel:+886 2 2914-6684 Fax: +886 2 2911-5345 Web:www.salt.com.tw