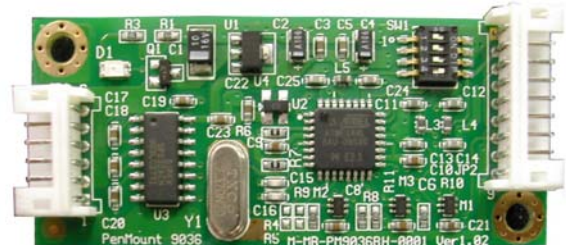


PenMount 9036BH Control Board Data Sheet

PenMount 9036BH Touch screen Control Board

RoHS compliance

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:

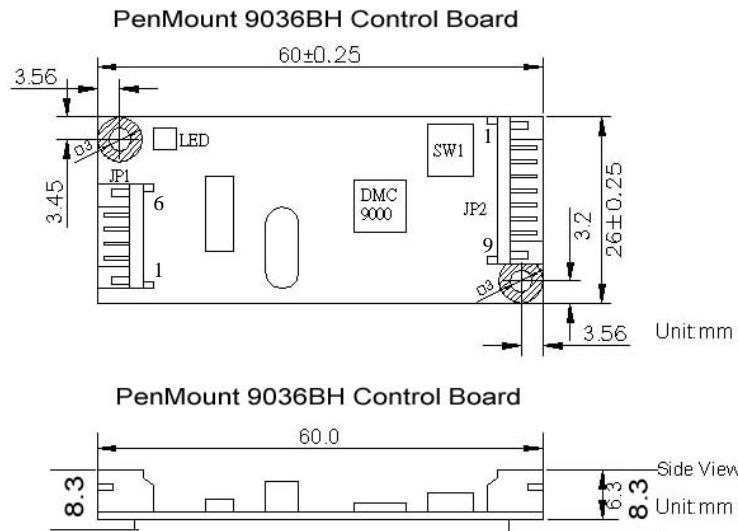
Touch Screen	For 4-, 5- & 8-wire analog resistive type
Interface	RS-232
Baud Rate	19200 and 9600 baud rate selection, N81
Mode selection	PnP or non-PnP mode
Resolution	2048x2048
Resistance Range	50~1.3K Ω
Electrostatic Discharge (ESD)	Air Discharge 15KV Contact Discharge 8KV
Power Input:	5V to 12V DC for 4/8-wire touch panel 5V only for 5-wire touch panel
Operating Temperature	0°C ~ 50 °C
Mechanical Size	60 (L) x 26 (W) x 8.3 (H) mm ; two 3 ϕ screw holes
Diagnostic	LED on board
Power Consumption	Standby Mode : 16 mA ; Active Mode : 27.5 mA (VCC=+5V, Top sheet Panel Resistance: 365 ohm ; Bottom sheet Panel Resistance: 660 ohm) Note. Actual current will be different by touch panel's resistance.

PenMount 9036BH Control Board Data Sheet

Driver Software

DOS, Windows 3.1/ NT4.0/ 95/ 98/ Me/ 2000/ XP/ 2003/ 2008/ Vista/ 7,
Linux (up to kernel 2.6), QNX 6.2/ 6.3/ 6.4/ 6.5,
Windows CE 4.2/ 5.0/ 6.0 (for X86, Armv4, Armv4i platform);
Solaris 10

Mechanical Size



Connector Definition

JP1: PIN 1 and PIN2 : PIN 1: 'Ground', PIN 2: Power Input
PIN 3 to PIN 6 : PIN 3: RTS PIN 4: 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