PenMount 9026BH Control Board Data Sheet

PenMount 9026BH Touch screen Control Board

RoHS compliance

PenMount 9026BH control board is a very small foot print touch screen control board, with the same functions as PenMount 9084, PenMount 9026BH is different in the mechanical size and the board height in order to fit different systems space.

PenMount 9026BH is also RS-232 interface touch screen control board. There are two wires 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. The second cable is for 4-wire or 8-wire touch screen.

Electrical Specifications:

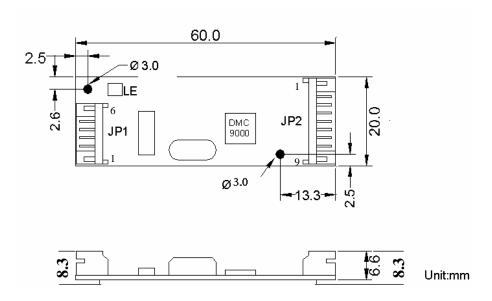|	
Touch Screen	For 4- & 8- wire analog resistive type
Communications	RS-232 interface
Baud Rate	19200 baud rate fixed, N81, PnP mode
Touch Screen Controller	PenMount 9000 microcontroller
Resistance Range	50~1.3K Ω
Resolution	2048x2048
Diagnostic	LED on board
Electrostatic Discharge (ESD)	Air Discharge 15KV Contact Discharge 8KV
Operating Voltage	5V to 12V DC
Operating Temperature	0℃ ~ 50 ℃
Size	60 (L) x 20 (W) x 8.3 (H) mm
Power Consumption	Standby Mode : 15 mA ; Active Mode : 26.5 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.

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

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Mechanical Size

Connector Definition

Pin definitions for the two connectors on the PenMount 9026BH control board follow:

Connector Pin Definitions for Touch Screen

Pin definition / wires	4-wire touch screen	8-wire touch screen
PIN 9	N/A	Right Sense
PIN 8	N/A	Left Sense
PIN 7	N/A	Bottom Sense
PIN 6	N/A	Top Sense
PIN 5	Right	Right
PIN 4	Left	Left
PIN 3	Bottom	Bottom
PIN 2	Top	Top
PIN 1	Ground	Ground

Connector Pin Definitions for Power and RS-232

	Power Lines		RS-232 Interface			
Pin #	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6
Definition	Ground	5V~12V power	RTS	TXD	RXD	Ground

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