PenMount 9000 Controller IC Data Sheet

PenMount 9000 is one of the best touch screen controller provided by PenMount Touch Solution, it is designed to have PnP features to meet the new systems trend. It also has a very good performance with RS-232 interface on the touch screen. PenMount 9000 has been designed for those who may like and all-in-one solution with A/D converter built-in to make the total printed circuit board denser.

PenMount 9000 is designed with ATMEL ATmega8L-8AU

Electrical Specifications

RoHS compliance

Touch Screen:	4, 5 & 8 wire
Package:	32-pin TQFP
Communications:	RS-232
Baud Rate	19200 and 9600 baud rate selection, N81
Mode selection	PnP or non-PnP mode
Feature:	8-bit RISC microprocessor with built-in functions including ADC, UART, Timer, Counter, Comparator, Watchdog, Memory, etc.
Operating Voltage:	DC +5V
Power Consumption (Base on PM9036BH board)	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.
Operating Temperature:	-40° C to +85° C
Storage Temperature:	-65° C to +150° C

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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