

PenMount 5100, 5600 Touch Screen Controller IC

PenMount 5100 and PenMount 5600 is a set of USB interface touch screen controller in the PenMount family.

The PenMount 5100 role-playing in PenMount touch screen kits is:



- to read analog signal from touch screen and transforms it into digital signal by ADC
- to construct packet according to PenMount's protocol (PenMount 5100 is designed with ATmega8L-8AU)

The PenMount 5600 role-playing in PenMount touch screen kits is:



- to be the USB controller in 'device' mode (PenMount 5600 is designed with CY7C63001C-SXC)

PenMount 5100 Electrical Specifications

RoHS compliance ([SGS test report number: CE/2005/65481](#))

Package:	TQFP 32-pin
Process	Low-power, High-speed CMOS
Nature:	8-bit microprocessor with built-in functions including 10-bit ADC, UART, Timer, Counter, Comparator, Watchdog, Memory, etc.
Voltage Range:	DC +5.0V
Power Consumption: (at 4 MHz, 3V)	Active: 3.6 mA / Idle Mode: 1.0mA Power Down Mode: 0.5 μ A
Operating Temperature:	-40° C to +85° C
Storage Temperature:	-65° C to +150° C

Salt International Corp.

7F-1, No. 92, Bao-Jhong Road, Shin-Dian City, Taipei 231, Taiwan.R.O.C
[Tel:+886 2 2914-6684](tel:+886229146684) [Fax: +886 2 2911-5345](tel:+886229115345) [Web:www.salt.com.tw](http://www.salt.com.tw)

PenMount 5600 Electrical Specifications

RoHS compliance (SGS test report number: [L-05/0393](#))

Package:	SOIC 20-pin
Process	Low-power, High-speed CMOS
Nature:	-8-bit microprocessor -6 MHz external ceramic resonator or crystal -USB optimized instruction set
Voltage Range:	DC +5..0V
Operating Temperature:	0° C to +70° C
Storage Temperature:	-65° C to +150° C

Driver Software

Windows 98/Me, Windows 2000/XP/2003/Vista, Linux (up to kernel 2.6)

Windows CE 4.2/5.0/6.0 (for X86, Armv4, Armv4i platform)

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