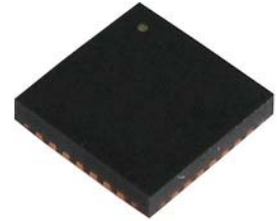


PenMount 6000 Touch Screen Controller IC


PenMount 6000 touch screen controller is the best performance touch screen controller, it is designed to have PnP features to meet the new systems trend. It is also a very good performance of RS-232 and USB interface on the touch screen. PenMount 6000 has been designed for those who may like and all-in-one solution with 10-bit A/D converter built-in to make the total printed circuit board denser, circuit diagram also designed for 12-bit ADC for optional.



Electrical Specifications

Touch Screen:	For 4-, 5-, 8-wire analog resistive type
Package:	28pin - QFN
Communications:	RS232 19200 / 9600 baud rate; USB full speed, 12MHz
Features:	High-speed pipelined 8051-compatible microcontroller core (up to 25MIPS) True 10-bit, 17-channel single-ended/differential ADC, analog multiplexer On-chip Voltage Reference and Temperature Sensor On-chip Voltage Comparators On-chip Power-On Reset, VDD Monitor, and Missing Clock Detector On-chip FLASH memory USB, UART, SPI interfaces implemented in hardware Programmable Counter / Timer Array / compare modules / Watchdog Timer On-chip Power-On Reset, VDD Monitor, and Missing Clock Detector
Sample rate:	Maximal 200 points / second
Calibration data:	Calibration data saved into Chip and also into register file
Resistance range:	50 – 1300 Ohm
Resolution:	2048 x 2048 (up to 4096 x 4096 optional)
Operating Voltage:	+5V DC \pm 5%
Operating Temperature:	-40° C to +85° C
Storage Temperature:	-65° C to +150° C

Changes that contribute to technical improvement are subject to alternations

				2007	Datum	Name	Touch Controller Chip Combo, RS232 / USB 4-, 5-, 8-wire SPEZIFICATIONS PenMount DMC6000 Manufactured by Apex Material Technology Corp.
				Bearb.	05.04.	Maurer	
				Gepr.	05.04.	Maurer	
				Vert.			
				EDV-Datasheet			
				don't change manually			
				 SCHURTER ELECTRONIC COMPONENTS			H 1070,0049 page 1 of 2 Index:
Zu	Änd.	Datum	Name	D 79346 Eendingen			

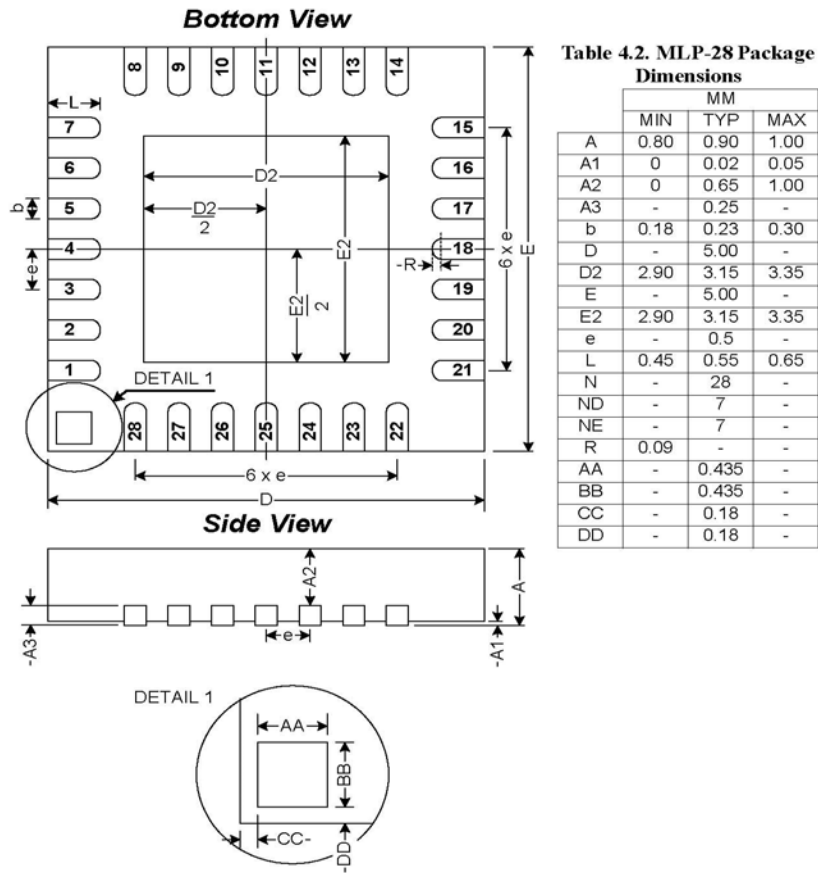
Driver Software

Windows 2000/XPE/2003 and newest released version, Windows XP (WHQL),
 WinCE 4.2/5.0 (for X86, Armv4, Armv4i, MIPS, SH3, SH4 Platform),
 Linux OS (supported X-Windows mode and up to kernel 2.6)

Actual driver overview and download: <http://www.amtouch.com.tw/downloads/drivers.htm>
http://www.penmount.com.tw/down_2_1.php

Packaging Information:

Figure 4.4. MLP-28 Package Drawing



Changes that contribute to technical improvement are subject to alternations

				2007	Datum	Name	<p>Touch Controller Chip Combo, RS232 / USB 4-, 5-, 8-wire SPEZIFICATIONS PenMount DMC6000 Manufactured by Apex Material Technology Corp.</p>
				Bearb.	05.04.	Maurer	
				Gepr.	05.04.	Maurer	
				Vert.			
				EDV-Datasheet			<p>SCHURTER ELECTRONIC COMPONENTS</p>
				don't change manually			
							<p>H 1070,0049</p>
Zu	Änd.	Datum	Name	D 79346 Eendingen			page 2 of 2 Index: