

PenMount DMC9000 Touch Screen Controller IC

DMC9000 touch screen controller is the best performance touch screen controller from AMT, it is designed to have PnP features to meet the new systems trend. It is also a very good performance of RS-232 interface on the touch screen. DMC9000 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.

DMC9000 is designed with ATMEL ATmega8L-8AU



DMC9000 Electrical Specifications

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

Touch Screen:	4, 5 & 8 wire
Package:	32-pin TQFP
Communications:	RS-232
Nature:	8-bit RISC microprocessor with built-in functions including 10-bit ADC, UART, Timer, Counter, Comparator, Watchdog, Memory, etc.
Voltage Range:	+ 2.7V to +5.5V
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

Driver Software

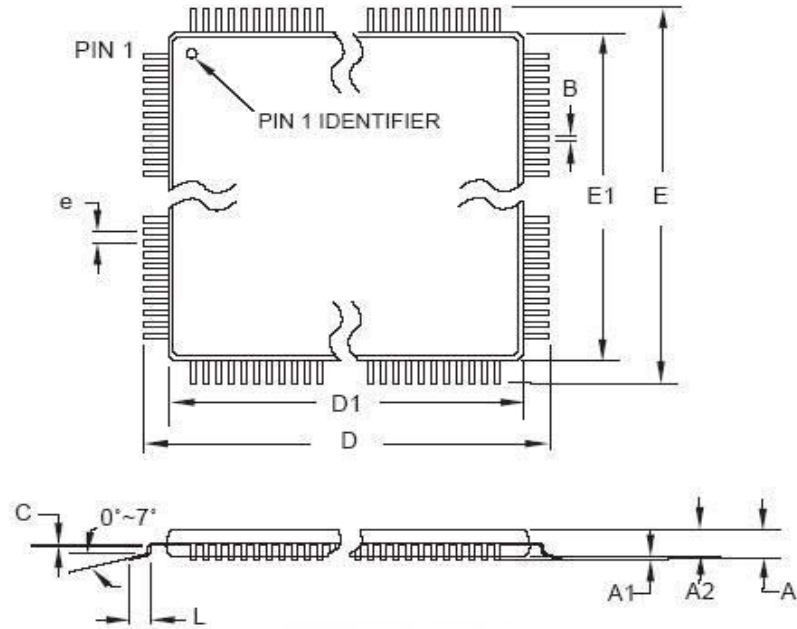
DOS, Windows 3.11, Windows 95/98/Me/2000/2003, Windows XP (WHQL), Linux (up to kernel 2.6), QNX 6.2/6.3, Windows CE 4.1 / 4.2 / 5.0 (for X86, Armv4, Armv4i platform); Solaris 10

Apex Material Technology Corp.

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DMC9000 Mechanical Size



COMMON DIMENSIONS
(Unit of Measure = mm)

SYMBOL	MIN	NOM	MAX	NOTE
A	-	-	1.20	
A1	0.05	-	0.15	
A2	0.95	1.00	1.05	
D	8.75	9.00	9.25	
D1	6.90	7.00	7.10	Note 2
E	8.75	9.00	9.25	
E1	6.90	7.00	7.10	Note 2
B	0.30	-	0.45	
C	0.09	-	0.20	
L	0.45	-	0.75	
e	0.80 TYP			

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