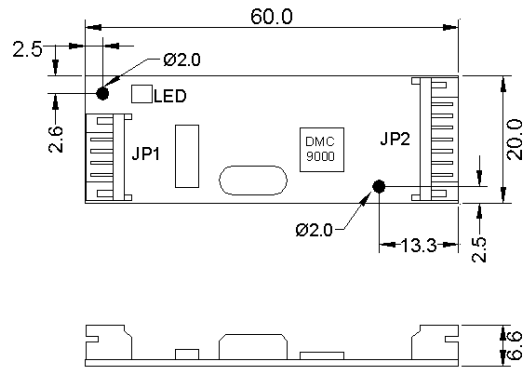# PenMount 9026B   Touch Controller Board

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

PenMount 9026B 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.

PenMount 9026B

Unit:mm

Electrical Specifications:

Touch Screen:	For 4- & 8-wire analog resistive type
Touch Screen Controller	DMC9000
Communications:	RS-232
Baud Rate:	19200 baud rate fixed
Resolution:	2048 x 2048 (10-bit A/D converter inside)
Power Input:	5V to 12V DC
Power Consumption:	12V: 27mA+ i where (i = v/touch screen sheet R) 5V: 23mA+ i where (i = v/touch screen sheet R)
Board Size:	60 x 20 mm
Portrait:	Support 90° to 270° screen rotation
Static Protection:	ESD device option
Storage/Working Temperature	Storage -40°C - +85°, Working: 0°C - +70°C
Others:	Touch activate indication LED on board, Advanced calibration, Multi-Monitor Display, Right button, Linearity grid, Noise filtering, Auto pin assignment, Beep sound

Driver Software

DOS, Windows 3.11, Windows 95/98/Me, Windows NT/2000/XP, QNX, Linux,
Windows CE (for both X86 and SA CPU)
Windows CE.Net (X86, SA CPU & Xscale)

Actual driver overview and download: http://www.amtouch.com.tw/downloads/drivers.htm

Connector Definition

JP1:

-   Pin 1 and P2: pin 1: 'Ground', pin 2: for 5V to 12V DC power
-   Pin 3 to Pin 6: PIN3: RTS PIN4: TXD PIN5: RXD PIN6: Ground

JP2: Touch Screen Lines:

	8-Wire	4-Wire
PIN1	Right Sense	N/A
PIN2	Left Sense	N/A
PIN3	Bottom Sense	N/A
PIN4	Top Sense	N/A
PIN5	Right Excite	Right
PIN6	Left Excite	Left
PIN7	Bottom Excite	Bottom
PIN8	Top Excite	Top
PIN9	Ground	Ground

1070. 0037.01	with cable set 4-wire ZIF,	9pin sub-D cable 450mm
1070. 0037.02	with cable set 4-wire AMPC,	9pin sub-D cable 450mm
1070. 0037.03	with cable set 8-wire AMPC,	9pin sub-D cable 450mm

Changes that contribute to technical improvement are subject to alternations

				2003	Datum	Name	
				Bearb.	30.07.	Maurer	**Touch Screen - Control Board** *RS-232* *4-, 8- wire*
				Gepr.	30.07.	Maurer	
				Vert.			SPECIFICATIONS
				EDV-Datasheet			PenMount 9026B
				don't change manually			Manufactured by Apex Material Technology Corp.
a	2002057	24.10.2005	Maurer	**SCHURTER** ELECTRONIC COMPONENTS			**H 1070,0037.01-.03**
Zu	Änd.	Datum	Name	D 79346 Endingen			Blatt 2 von 2 Index: a