PenMount 5126 Touch Screen Control Board

PenMount 5126 USB control board is a touch screen control board designed for USB interface and specific for 5-wire touch screens. It is designed with USB interface features with multiple devices supporting function, it is able to support up to 15 USB devices through PenMount 5126 board.   With the small footprint mechanical size,   the controller consists of two controller ICs, DMC5100 and DMC5600.   DMC5100 is an 8-bit AVR microcontroller while DMC5600 is a Universal Serial Bus microcontroller. There are two connectors on this board, one connector is for 5-wire touch screen cable, and another is for 4-pin USB A type cable (optional).

Electrical Specifications

Touch Screen: 4 & 8 wire

Communications: USB

Touch Controller :   High performance DMC5100

Resolution: 2048 x 2048

USB controller: DMC5600

Size: 60 (L) x 25 (W) x 6.3 (H) mm

Portrait: Support 90° to 270° screen rotation

Storage Temperature Range -40   to 85

Operating Temperature   0   to 70

Diagnostic: LED

Static Protection: ESD

Pin Assignment   Automatic adjustment
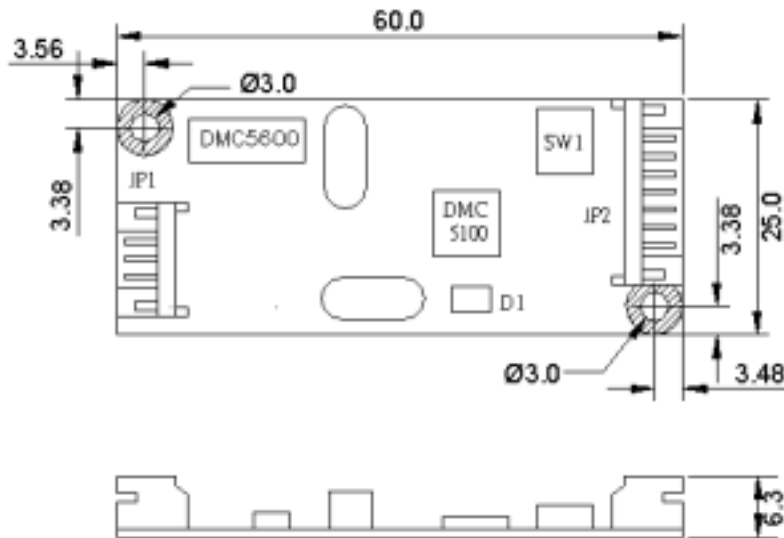
Multi-devices: Supporting up to 15 USB devices

Driver Software

Windows 98/Me, Windows 2000/XP, Linux, Windows CE (for X86 and SA CPU, Xscale)

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Mechanical Size

Jumper Definitions

- JP1: USB Interface

    PIN1: Ground   PIN2: D+   PIN3: D-   PIN4: Vcc

- Touch Screen Lines:

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