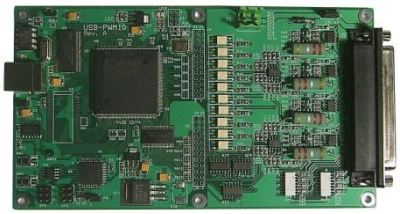
USB-PWM10

Pulse width Modulator with USB interface



INTRODUCTION

It is the board which was useful composed 4 PWM control block for external interface. You don't need to make separate driver as you recognize it to HID(Hardware Interface Device).

GENERAL DESCRIPTION

- ◆ USB2.0 Device Specification
- ◆ High Speed device 480Mbps
- ◆ USB HID Interface
- ◆ 4-Ch Triggered PWM output
- ◆ Digital I/O 4 channels
- ◆ Isolated input voltage up to 24V
- ◆ Compact, half-size PCB

APPLICATION

- ◆ Laboratory instrumentation
- ◆ Process control systems
- ◆ Factory automation

SOFTWARE

▣ **Operating System**

- ▪ Windows 2000 SP4/XP SP1 over

▣ **Recommended Software**

- ▪ Visual basic/C++ with Board API(DLL)

SPECIFICATION

▣ **PWM output**

- ▪ Number of Channels : 4
- ▪ Number of Trigger Input : 4
- ▪ Resolution : 1us
- ▪ Timer : 22bit
- ▪ Output Level : 12V(External)

▣ **Isolated Digital Input**

- ▪ Number of Channels : 6
- ▪ Number of Common Input : 1
- ▪ Maximum Input Range(Non-polarity) : 24V
- ▪ Digital Logic Levels :
  input High level 5 ~24V
  Input Low Voltage 0 ~ 1.5V
- ▪ Input Resistance : 4.7Kohm@1.2W
- ▪ Isolation Voltage : 2500Vrms
- ▪ Isolated input voltage up to 24V
- ▪ Data Transfer : Programmed I/O

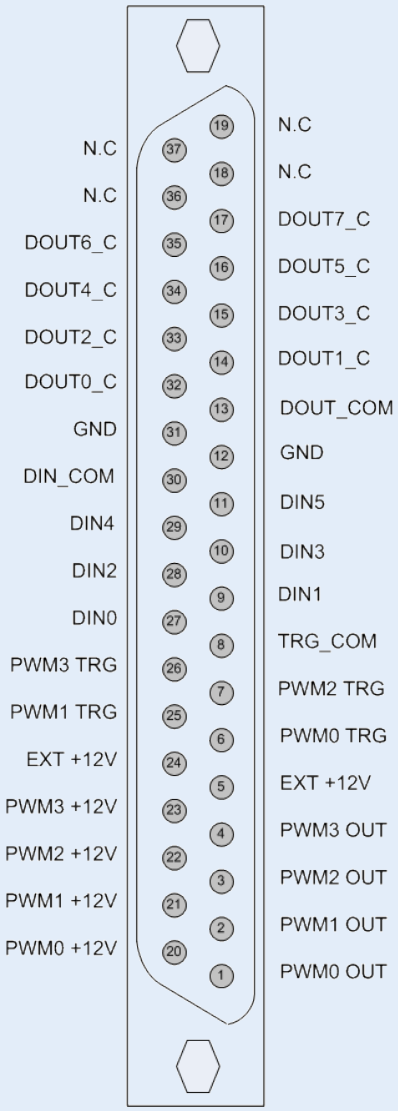
▣ **Isolated Digital Output**

- ▪ Number of Channels : 8
- ▪ Output type : Open collector
- ▪ Isolation Voltage : 5000Vrms
- ▪ Data Transfer : Programmed I/O

PHYSICAL/ENVIRONMENTAL

▣ Dimension

- Connector : Dsub-37pin
- Dimension (not including connectors) : 160mm x 100 mm



Dsub-37

▣ Temperature

- 0 to 70℃, Operating
- -20 to 80℃ Storage

▣ Relative Humidity

- 20 to 80 percent, Non-condensing

▣ Power Requirement

- +5VDC(±5%) at Max. 500mA

BLOCK DIAGRAM