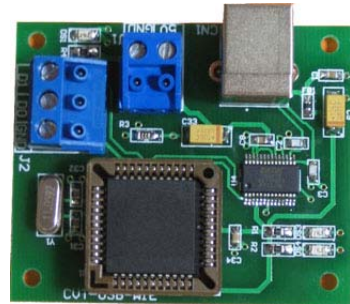


Wiegand to USB Converter

MA1800 is a Wiegand to USB converter. The USB interface is implemented as a Virtual COM Port (VCP). The MA1800 will automatically convert the Wiegand input data from 24-bit up to 40-bit to a formatted ASCII string and output on the USB interface.



1. Specification

1.1 Communications:

USB Type B interface. 9600 BPS ASYNC, 8 bits, 1 Stop, No Parity.

2. Conversion Format

2.1 Input Format

24-bit to 40-bit Wiegand format.



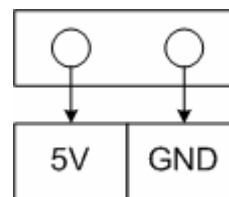
3. Connectors:

There are total 3 pluggable connectors and one USB Type B connector located on the MA1800 board serving different functions as described below.

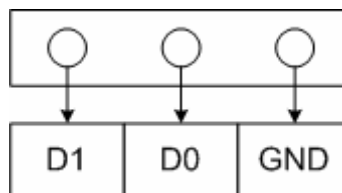
Connector Symbol	Description
CN1	USB Type B connector
J1	5V Output (Output only, DO NOT connect external power)
J2	Wiegand Output

3.1 Connector J1

Connector J1 Port Assignment	
Designator	Description
5V	5V Output
GND	Ground



3.2 Connector J2



Connector J2 Port Assignment	
Designator	Description
D1	Data 1
D0	Data 0
GND	GND