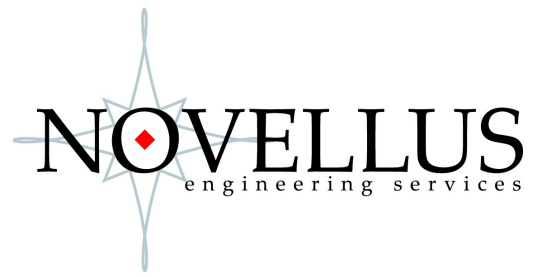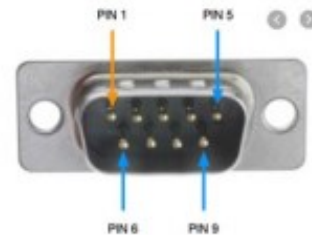# PWM Throttle Control

Description:

This controller is converter that generates a PWM output that is proportional to the analog input (0-5V, 5-95%Duty cycle). The base PWM frequency is 120 Hz, but is customizable to user specifications. Used for any PWM controlled device.

Basic Operation:

 The module's input is through a standard DB9 connector. The device processes an analog voltage of 0-5VDC, and converts it to a PWM output of 5-95% duty cycle at a base frequency of 120 Hz. Custom base analog input range and frequency are available upon request.

DB9 Connector Pinouts:

(1) NC   (6) GND

(2) CAN FD LOW   (7) CAN FD HIGH

(3) GND   (8) NC

(4) NC   (9)+12V INPUT

(5) NC

Electrical Specifications:

Signal	Minimum	Typical	Maximum
Input Supply Voltage	+7 VDC	+12.7 VDC	+20 VDC
Input Supply Current		30 mA	100 mA
PWM Output Amplitude		+5VDC	
Duty Cycle	5%		95%