



Featherfin™ Specifications:

Power

9-36V

Processing

Processor: Freescale 56xx

Processor Speed: 264Mhz

RAM: 4MB

Flash: 4MB

Communication

1 - Bidirectional CAN Bus

1 - RS-232

Inputs

2 - High Frequency Analog Inputs

Sampled @ 10khz with 12bits

2 - Low Frequency Analog Inputs

Sampled @ 400hz with 12bits

2- Digital Inputs

Inputs are 0-Vbatt with a 2.5V level threshold

1 - RTD Input

2 - VR or Hall Effect Speed Inputs

1 - Frequency Input

Inputs are 0-Vbatt with a 2.5V level threshold

Outputs

1 - Low Frequency Analog Output

1 - Digital Output

Open Collector will Sink .5A Max

1 - PWM Output

Open Collector

1 - 2A

3 - High Current Outputs

Capable of currents up to 40A @ 80 Volts

Nominal operation is 25A at 48 Volts

Programmable Current Control Settings

Reverser Current Capable

2 - Synthesized Timing Outputs

Software Programmable

½ Degree Resolution

Open Collector Outputs

3 - Ignition Outputs

Open Collector Outputs will sink 10mA Max

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