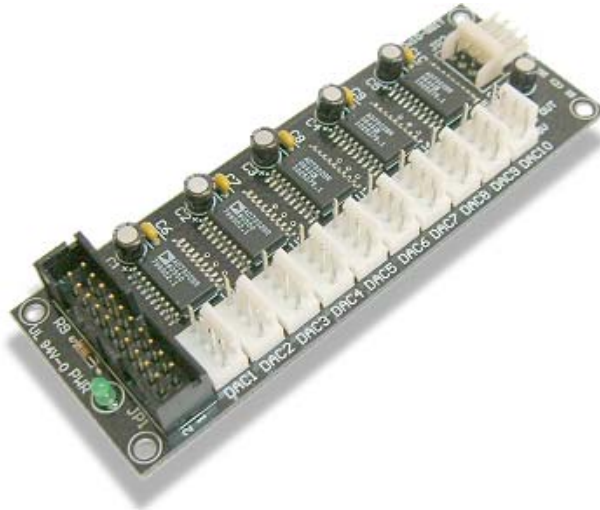


The Dx10-8BIT DAC Output Card is designed to provide a rail to rail output voltage (0-5V) through the ElectronFlux module.

Features:

- 10 individually controlled voltage output channels through a single ElectronFlux port.
- 0 - 5VDC @ 8-bit resolution.
- 5V and 12V output pins for use with Air-Core movements.



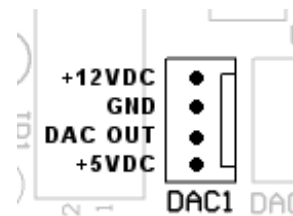
DAC Specifications:

Output Characteristics	Units	Comments
Output Voltage Range	0 to 5 V	min to max
Output Voltage Settling Time	2 ms max	Typically 1.2 ms
Slew Rate	7.5 V/ms typ	
Digital Crosstalk	0.2 nV-s typ	
Analog Crosstalk	±0.2 LSB typ	
DC Output Impedance	40 Ω typ	
Short Circuit Current	14 mA typ	
Power Supply Rejection Ratio	0.0003 %/% max	$\Delta V_{DD} = \pm 10\%$

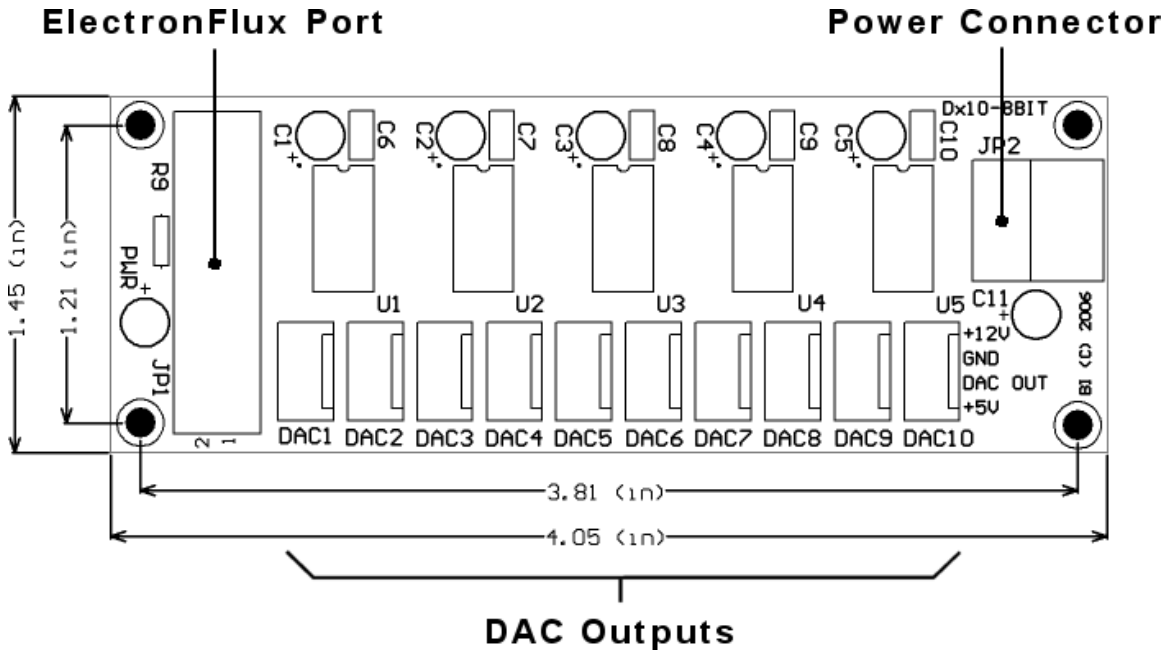
Application:

The Dx10-8BIT DAC output card is ideally suited for controlling up to 10 Air-Core Movement based gauges through the ElectronFlux module. The ElectronFlux port must be configured for **8-bit DACs** mode (refer to user manual for details).

When driving Air-Core movements requiring 12V power, the Dx10-8BIT can be connected to a standard ATX power supply reducing wiring complexity as each connector provides a 12V pin for this purpose. **NOTE: unlike the 5V pins, the 12V source is not monitored nor protected against short circuits.**



Mechanical Specifications:



Visit www.betainnovations.com for the availability of expansion modules and accessories.