

Vehicle Control Unit

Model A2082

The ECE A2082 Vehicle Control Unit (VCU) is a configurable, multipurpose controller developed to meet the requirements of vehicle applications. The VCU is small, low cost, and can be adapted to meet a wide variety of applications.

ECE can develop custom embedded software for your specific application. ECE can also develop a graphical user interface (GUI) to allow direct control and monitoring of the I/O and facilitate programming.



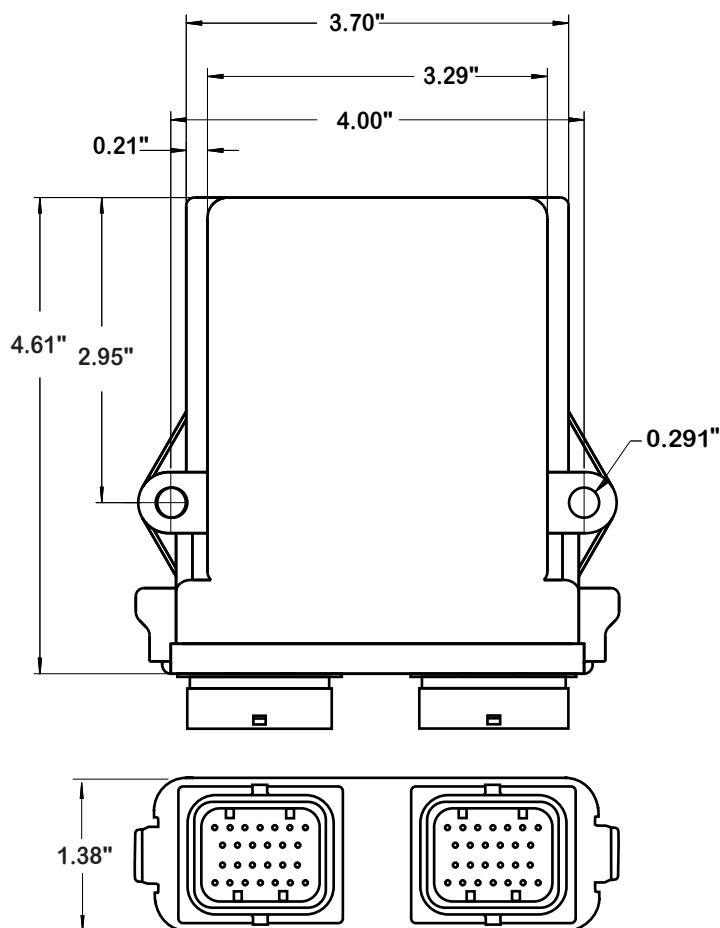
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Features

- Motorola HCS-12 16-bit Microcontroller
- 256 kByte Flash Memory
- 4 kByte EEPROM Memory
- 12 kByte RAM
- CAN Communication Interface
- Device Operating Temperature -40 to +85°C
- ESD-Protected and EMI-Filtered
- In-System Flash Programming
- Operational Voltage Range of 9VDC to 18VDC
- 210mA Operating Current at 12VDC
- Low Power Standby Mode
- Load Dump and Reverse Voltage Protection
- Power Supply Utilizes Short-Circuit Protection, and Thermal Limiting
- Compact size of 4.6" x 5.0" x 1.4" (Envelope)
- Weight of less than 9 oz.

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Inputs & Outputs

- (12) 0 to 5 VDC Analog Inputs
- (13) 12 V Digital Inputs
- (4) 0 to 5 VDC Frequency Inputs
- (5) 12 VDC 0.5A Outputs
- (4) 12 VDC 3A Outputs
- (4) 12 VDC 3A PWM Outputs
- (1) CAN Interface
- (1) RS-232 Interface

About ECE

Electronic Concepts & Engineering, Inc. develops and produces cost effective embedded electronic and software solutions for use in a variety of critical Automotive, Military, Aerospace, and Industrial environments. ECE is an ISO-9001 with AS9100 registered company. Call us or visit our website at www.eceinc.com.

Environmental

- Device operational ambient temperature -40 to +85°C
- Non-operating storage temperature -40 to +125°C
- Ruggedized against Shock & Vibration
Designed to Meet J1113 Electromagnetic Compatibilities (Not Tested)
- Designed to Meet J1211 Recommended Environmental Practice for Electronic Equipment (Not Tested)

Rev 1.1



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