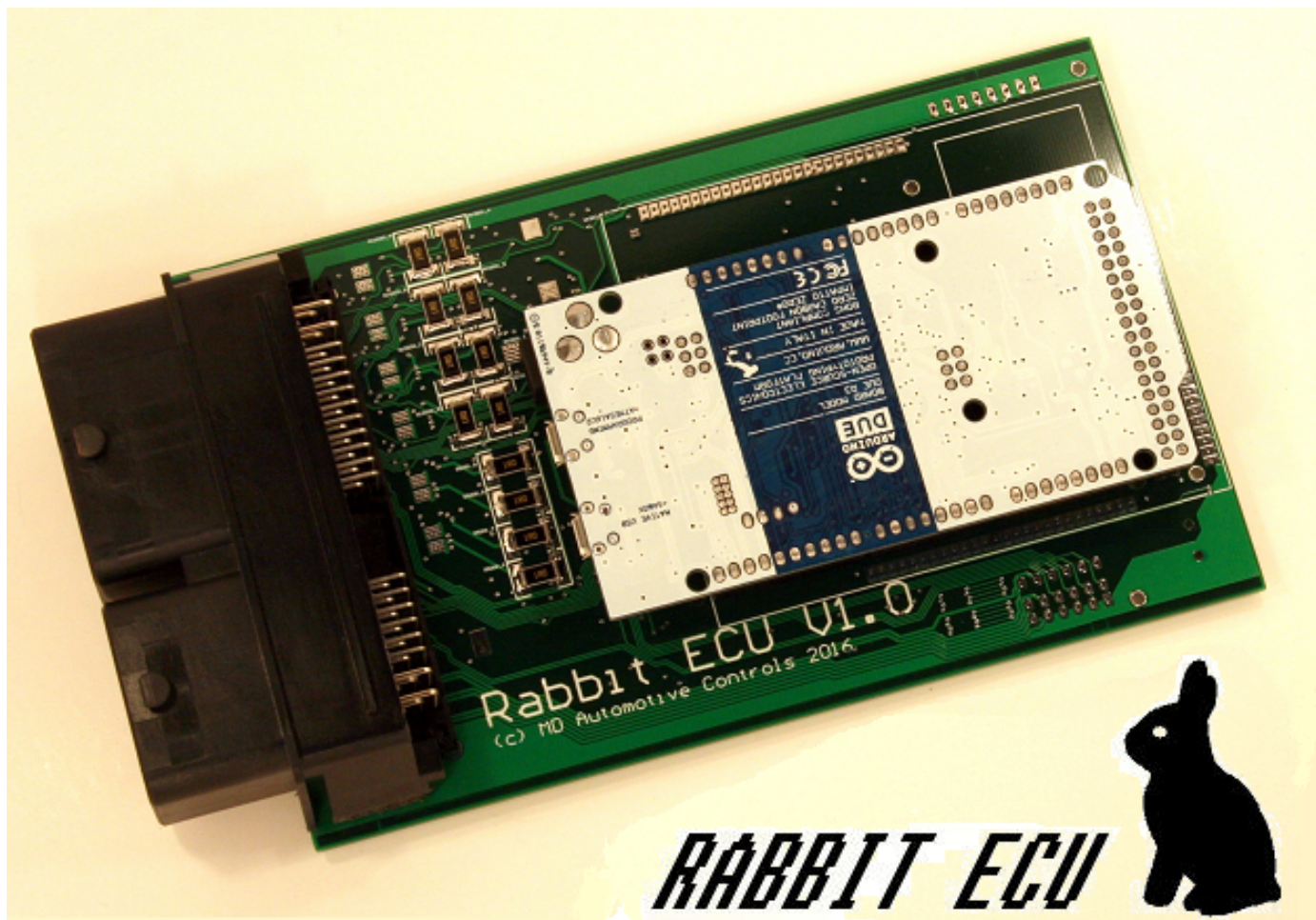# Rabbit ECU Project

Welcome to the Rabbit ECU Project – a low-cost Arduino-Compatible DIY engine/project ECU

Here are some videos of the Rabbit DIY ECU running GDI, port and throttle-body injected engines:

1. [Sienta Turbo 1NZ-FE](#)
2. [Golf GTI Mk6](#)
3. [VE Commodore SS/Chevrolet SS L98 6.0 V8](#)

4. [Holden/Opel Astra Z18XE](#)
5. [Holden/Opel Corsa C14NZ](#)

Rabbit DIY ECU [has open-source application code](#), open-source tuning and logging application, CAN bus or USB connection and the ability to run a modern PFI 4, 6 or 8 cylinder engine.

Rabbit ECU core features

- 4 saturated injector drivers
- 8 x 1A general purpose switch to ground outputs
- 2 x 1A general purpose switch to power outputs
- 4 push-pull motor driver outputs used for stepper motor, PWM solenoid or igniter signal
- 1 LSU 4.2/4.9 interface (Teensy RT1 only, RP1 and RG1 coming soon)
- 1 CAN interface
- 8 analog inputs
- 2 multi-sensor friendly trigger wheel inputs

MDAC MAP-MATE Calibration Tool

Rabbit ECU comes with the powerful open-source MAP-MATE tool. Read more at the dedicated [MAP-MATE](#) page.

Rabbit ECU Arduino Due option (RA1)

The Arduino Due (SAM3X8E) is a plug-in option that provides a lot of functionality at a great price. Read more at the dedicated RA1 page.

Rabbit ECU Arduino Due option (RT1)

The Teensy 3.5 is a plug-in option that provides even more processing power and features. Read more at the dedicated RT1 page.

Rabbit ECU Forum

Rabbit ECU Forum – http://rabbitecuproject.freeforums.net/

Other Information and Documents

General Support Documents