KiwiEFI K44 ECU DESCRIPTION

The K44 is a Speeduino 0.4 compatible ECU using the Mega2560, it uses the Speeduino open source firmware and being 100% compatible with the official hardware version 0.4 it will be able to use all future firmware upgrades written for the 0.4 board.

KiwiEFI K44 Specifications

- 48-pin connector and splash proof case
- 4 injector channels with internal diagnostic LEDs
- 4 Ignition outputs with internal diagnostic LEDs
- CLT, IAT, TPS and O2 inputs
- Inbuilt Hall Effect Sensor blocking diodes and pullups for crank and Cam inputs
- Socket for optional VR conditioner (crank and cam input conditioning)
- Inbuilt Baro sensor
- Internal MAP sensor option or external Map sensor can be used.
- Socket for DRV8825 stepper module option (stepper idle valve control)
- 6 medium-current spare outputs for Fuel pump relay, Fan relay, Boost control, VVT, Idle, Tach
- Speeduino v0.4 board compatible pin definition, select as board type V0.4 in Tuner Studio
- Serial output, TTL level (Ser0) for Bluetooth on internal connector and RS232 level Secondary Serial (Ser3) TXD and RXD on ecu connector for sending data to dashes etc.
- Uses the same case as the Speeduino Dropbear ECU and is mostly pin compatible with the Dropbear.Uses the same case as the Speeduino Dropbear ECU and is mostly pin compatible with the Dropbear, (the only pinout differences are 1: IG5-IG8 pins are used for digital outputs, as there are only 4 ignition outputs, 2: INJ5-INJ8 pins are fed in parallel with INJ1-INJ4 for paired injectors on a 6/8 cyl, and 3: the CAN bus pins are used for Serial3 RS232 data)