



DESCRIPTION

This ECU is a complete replacement solution for the original MV F4 engine control unit.

It implements all the functions and security strategies given by the original one, and is supplied with the original maps, completely configurable.

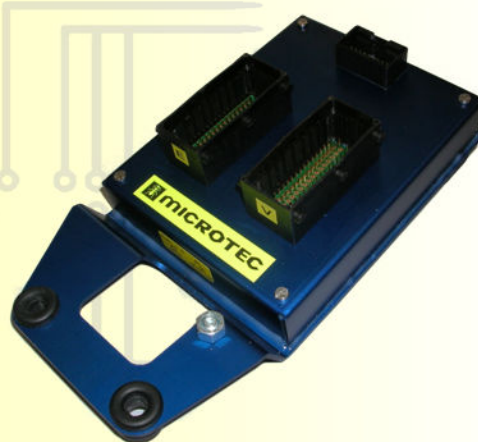
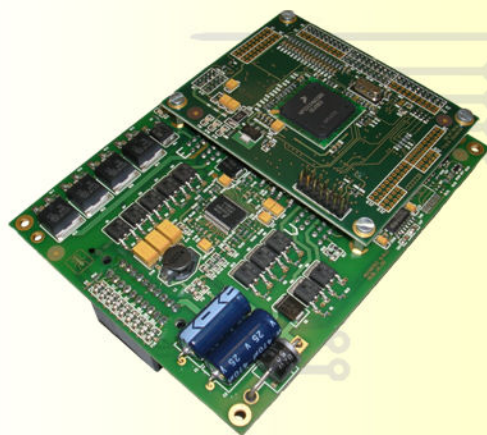
Heart of the ECU is the MPC5534 Power PC from Freescale, and with the 80Mhz system clock guarantee high calculation performances.

Complete management of ignition / injection parameters, and the autmapping feature, available after purchase of a suitable lambda sensor, are the keys for maximum flexibility and performance.

On-board CAN and RS232 lines, provide a simple and standard way to connect the ECU to a data logger system or a common PC

A 3D Windows application, purposely developed for this unit, is designed for customize and monitor all the system parameters and the external sensors data.

The blue box is fully anodized in aluminum material, and is supplied with a "back-plane" with 4 fixing points and 4 anti-shocking rubbers, simple and immediate to install onto original housing.



TECHNICAL DATA

Mechanical data

Dimensions (BOX only)	135 x 105 x 22
BOX material	Blue anodized aluminum
Main Connectors	2 x 64 ways AMP
AUX Connector	20 ways AMP 040-174977
Weight	430g

Inputs

Analogic	9
Digital	12
Lambda sensor	1
Load Cell	1
Pick-up inductive / hall	1 + 1
Battery level	1
Wheel speed	2
Clutch sensor	1
Sidestand sensor	1

Outputs

Injector Drivers	4
Coil Drivers	4
Fuel Pump	1
Fan	1
RPM	1
Warning Lamp	1
Light	1

Communication

CAN Line (1Mbit/s)	1
RS232 Line	1

Electrical Data

Power Supply	8 - 18Vdc
Temperature Range	-20 - 85°C

Software

Windows application MON191, with 3D maps viewer

Options

Electronic shift
Data acquisition
Auto-mapping lambda sensor