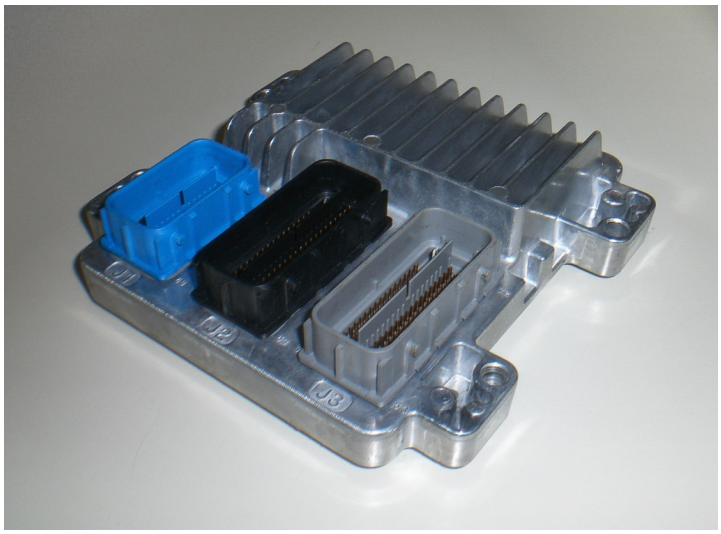
AiM Infotech

Delphi MEFI 5-5A-5B ECU

Release 1.01



ECU

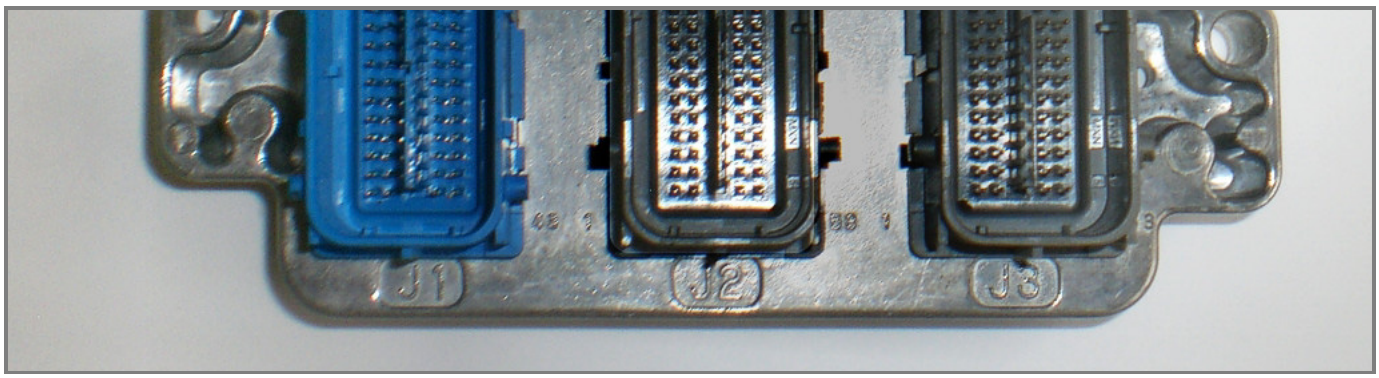
1 Supported models

This tutorial explains how to connect Delphi ECU to AiM devices. Supported models are:

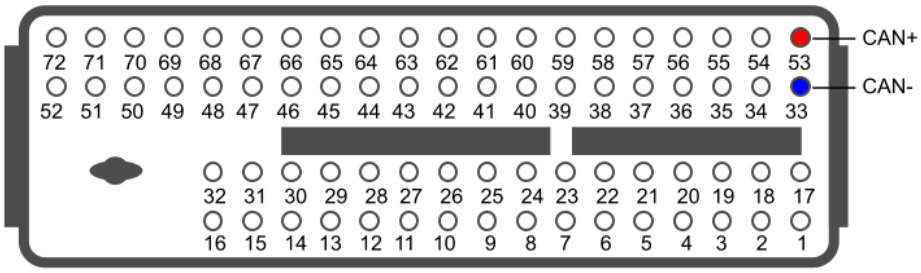
- MEFI 5
- MEFI 5A
- MEFI 5B

2 Wiring connection

Delphi MEFI ECUs feature a CAN communication protocol on the J3 front connector shown below.



Here below you see J3 connector pinout and connection table.



Connector pin	Pin function	Cable colour	AiM cable
53	CAN High	White/Red	CAN+
33	CAN Low	White/Black	CAN-

3
AiM device configuration

Before connecting the ECU to AiM device set this up using AiM Race Studio software. The parameters to select in the device configuration are:

- ECU manufacturer “Delphi”
- ECU Model “MEFI-5B”

4
Available channels

Channels received by AiM devices connected to Delphi MEFI 5B protocol are.

ID	CHANNEL NAME	FUNCTION
ECU_1	5B_RPM	RPM
ECU_2	5B_SPEED	Speed
ECU_3	5B_TPS	Throttle position
ECU_4	5B_PPS	Pedal position
ECU_5	5B_ECT	Engine coolant temperature
ECU_6	5B_FUEL_T	Fuel temperature
ECU_7	5B_MAT	Manifold air temperature
ECU_8	5B_MAP_VOLT	Manifold air pressure voltage
ECU_9	5B_MAP	Manifold air pressure
ECU_10	5B_OIL_P	Oil pressure
ECU_11	5B_FUEL_P	Fuel pressure
ECU_12	5B_IGN_VOLT	Ignition voltage
ECU_13	5B_EGR_FB	Engine gas recirculation voltage
ECU_14	5B_INJ_BANKA	Injection pulse bank A
ECU_15	5B_INJ_BANKB	Injection pulse bank B
ECU_16	5B_SPARK_ADV	Spark advance
ECU_17	5B_KNOCK_RET	Knock retard
ECU_18	5B_CAM_RET	Camshaft retard
ECU_19	5B_FUEL_CONS	Fuel consumption
ECU_20	5B_ENG_LAMP	Engine malfunction indicator
ECU_21	5B_RTM_H	Run time hour
ECU_22	5B_RTM_M	Run time minute