AiM Infotech

Delphi MEFI 4B ECU

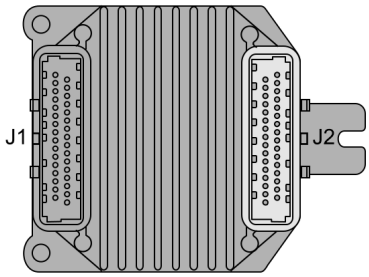
Release 1.02

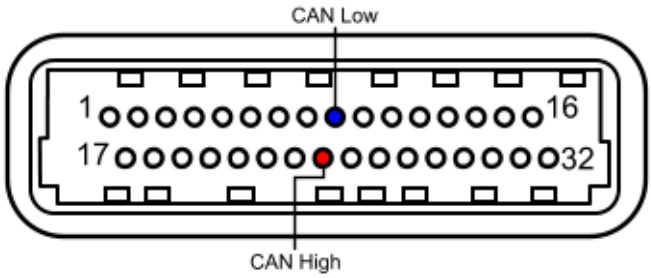
ECU

This tutorial explains how to connect Delphi MEFI 4B ECU to AiM devices.

1 Connection to AiM devices

Delphi MEFI 4B ECU features a bus communication protocol based on CAN on "J2" rear connector. The ECU has two rear connectors labelled respectively "J1" and "J2". CAN is on "J2". Here below you see the ECU with J2 connector highlighted on the left and its pinout on the right; below is connection table.





DB9 connector pin	Pin function	AiM cable
24	CAN High	CAN+
9	CAN Low	CAN-

2 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-4B"

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Available channels

Channels received by AiM devices connected to "Delphi" "Mefi-4B" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	MEFI_4B_RPM	RPM
ECU_2	MEFI_4B_ECT	Engine coolant temperature
ECU_3	MEFI_4B_EIV	Voltage
ECU_4	MEFI_4B_EOP	Engine oil pressure
ECU_5	MEFI_4B_SPEED	Vehicle Speed
ECU_6	MEFI_4B_FUELCONS	Fuel consumption
ECU_7	MEFI_4B_STATUS	ECU Status
ECU_8	MEFI_4B_FUELPRESS	Fuel pressure
ECU_9	MEFI_4B_EGRFB	Engine gas recirculation voltage
ECU_10	MEFI_4B_FTEMP	Fuel temperature
ECU_11	MEFI_4B_MAT	Manifold air temperature
ECU_12	MEFI_4B_RTM_H	Running timer hours
ECU_13	MEFI_4B_RTM_M	Running timer minutes
ECU_14	MEFI_4B_RPM2	RPM 2
ECU_15	MEFI_4B_MAP_VOLTS	Manifold air pressure voltage
ECU_16	MEFI_4B_MAP	Manifold air pressure