

AiM InfoTech

MoTec – M84

Release 1.02



ECU



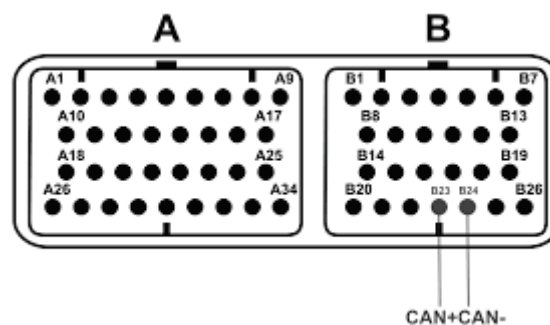
This tutorial explains how to connect AiM devices to MoTec M84 ECU.

1 Wiring connection

For MoTec M84 ECU, it is possible to connect to AiM devices through the front 26pins "B" connector (following pictures).



Here below you find the 26pins "B" connector pinout and connection table (front view).



"B" connector pin
B23
B24

Function
CAN High
CAN Low

AiM cable label
CAN +
CAN -

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Race Studio configuration

Before connecting the AiM device to the ECU, set all functions using AiM software Race Studio. The parameters to set in the device configuration are:

- ECU manufacturer: **MoTec**
- ECU Model: **M84**

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“MoTec – M84” protocol

Channels received by AiM devices configured with “MoTec – M84” protocol are:

CHANNEL NAME	FUNCTION
RPM	RPM
TPS	Throttle position sensor
MAP	Manifold air pressure
IAT	Intake air temperature
ECT	Water temperature
LAMBDA1	Lambda1
LAMBDA2	Lambda2
MAF	Raw value
FUEL PR	Fuel pressure
OIL PR	Oil pressure
EXH TEMP	Exhaust gas temperature
BATTVOLT	Battery voltage
GRD SP LF	Ground speed left
GRD SP RH	Ground speed right
DRV SP LF	Drive speed left
DRV SP RH	Drive speed right



DRV SPEED	Drive speed
GRD SPEED	Ground speed
WHEEL SLIP	Wheel slip ratio
LA1 SH TRM	Lambda 1 short term trim
LA2 SH TRM	Lambda 2 Short term trim
LA1 LN TRM	Lambda 1 long term trim
LA2 LN TRM	Lambda 2 long term trim
FUEL CUT	Fuel cut
IGN CUT	Ignition cut
IGN ADV	Ignition advance
FUEL ACT	Fuel act pulse width
FUEL EFF	Fuel effective pulse width
FUEL INJ	Fuel injection
GEAR	Active gear
FUEL COMP1	Fuel comp1
FUEL COMP2	Fuel comp2
ERR GRP1	Diagnostic error group 1
ERR GRP2	Diagnostic error group 2
ERR GRP6	Diagnostic error group 6
ERR GRP10	Diagnostic error group 10
ERR GRP14	Diagnostic error group 14
STGRP1	Status flags group 1
ST GRP3	Status flags group 3
OIL T U2	Oil temperature