

AiM Infotech

Nissan 350Z  
2003-2009

Release 1.06

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ECU



# 1

## Supported years and models

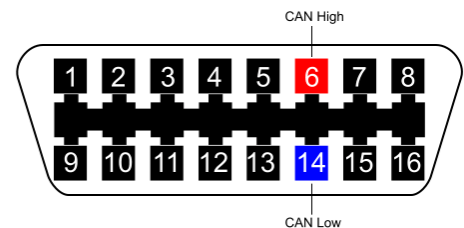
This document explains how to connect Nissan 350Z cars to AiM devices. Supported years and models are:

- Nissan 350Z 2003-2009

# 2

## Wiring connection

Nissan 350Z ECU features a bus communication protocol based on CAN, that can be reached through the OBDII plug, placed on the left side of the car cockpit, as shown here below on the left. On the right is the connector view and bottom is connection pinout (rear view):



### OBDII connector pin

### Pin function

### AiM cable

6

CAN High

CAN+

14

CAN Low

CAN-

### 3

## AiM device configuration

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

- ECU manufacturer **Nissan**
- ECU Model **350Z**

## 4

### “Nissan – 350Z” protocol

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Channels received by AiM devices connected to "Nissan – 350Z" protocol are:

CHANNEL NAME	FUNCTION
NISSAN RPM	RPM
NISSAN SPEED	Vehicle speed
NISSAN PEDAL POSITION	Pedal position sensor
NISSAN BRAKE SWITCH	Brake switch
NISSAN ENGINE COOLANT TEMP	Engine coolant temperature
NISSAN STEERING ANGLE	Steering angle
NISSAN OIL_PRESS SWITCH	Oil pressure switch
NISSAN WH FL	Front left wheel speed
NISSAN WH FR	Front right wheel speed
NISSAN WH RL	Real left wheel speed
NISSAN WH RR	Real right wheel speed

**Technical note for ECU connection:** not all data channels outlined in the ECU template are validated for each manufacturer model or variant; some of the outlined channels are model and year specific, and therefore may not be applicable.

**In case of OBDII connection, please note:** channels listed above are those polled by AiM devices. They may or may not come across in the data stream depending on models. RPM, TPS,ECT and speed are generally available.