

AiM Infotech

Nissan 350Z
2006-2009

Release 1.03



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

- Nissan 350Z 2006-2009

1

Available connections

CAN connection can be done through the OBDII plug or through the ECU front connector.

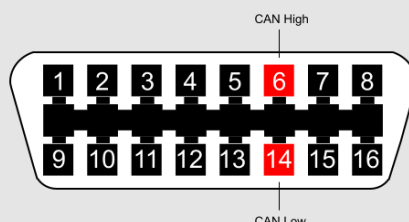
1.1

OBDII connection

Nissan 350Z is equipped with an OBDII connector. The OBDII plug is on the left side of the car cockpit as shown here.



Connector pinout as well as connection table are shown here below.



OBDII connector pin

Pin function

AiM cable

6

CAN High

CAN+

14

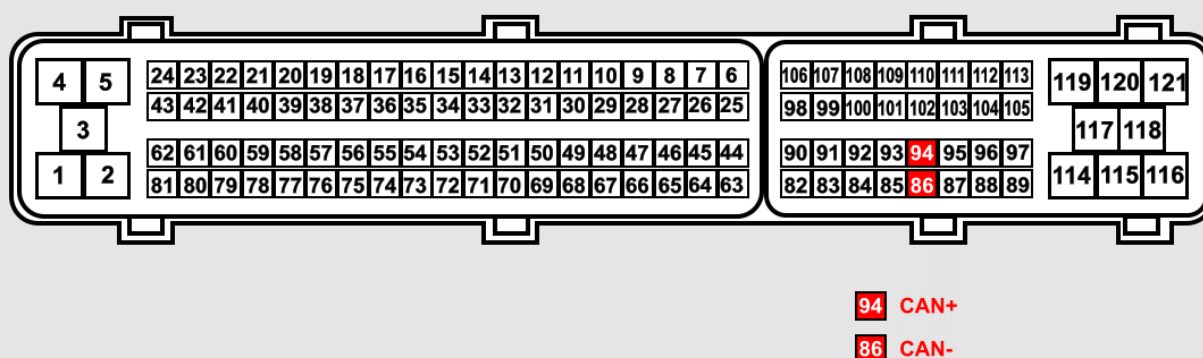
CAN Low

CAN-

1.2

ECU Connection on Nissan 350Z 2006

Nissan 350Z 2006 ECU has a 121 pins connector, shown here below, used to communicate parameters to an external logger. Connector pinout as well as connection table are shown here.



116 Pins connector pin

Pin function

AiM cable

94

CAN+

CAN+

86

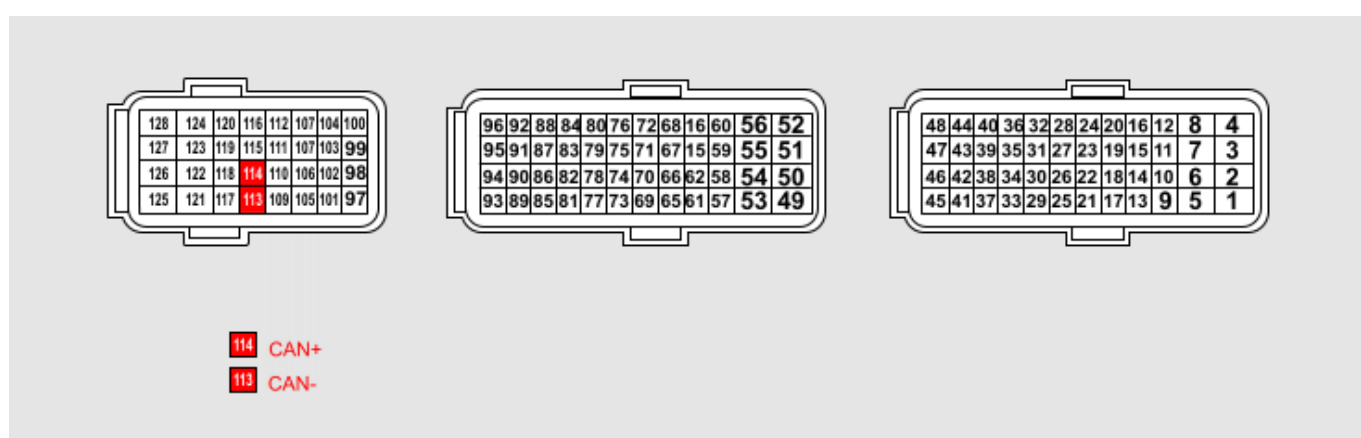
CAN-

CAN-

1.3

ECU Connection on Nissan 350Z 2007

Nissan 350Z 2007 ECU has a 128 pins connector made up of three parts and shown here below, used to communicate parameters to an external logger. Connector pinout as well as connection table are shown here.



116 Pins connector pin

Pin function

AiM cable

114

CAN+

CAN+

113

CAN-

CAN-

2

AiM Logger configuration

Once the ECU connected to the logger, this one is to be configured as connected to that ECU.

Run Race Studio 2 software and follow this path:

- Device Configuration → Select the device you are using;
- select the configuration or press "New" to create a new one;
- select ECU manufacturer "Nissan" and ECU Model "350Z";
- transmit the configuration to the device pressing "Transmit".

3

Available channels

Channels received by AiM loggers connected to Nissan 350Z protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	NISSAN_RPM	RPM
ECU_2	NISSAN_SPEED	Vehicle speed
ECU_3	NISSAN_PEDAL_POSITION	Pedal position sensor
ECU_4	NISSAN_BRAKE_SWITCH	Brake switch
ECU_5	NISSAN_ENGINE_COOLANT_TEMP	Engine cooling temperature
ECU_6	NISSAN_STEERING_ANGLE	Steering angle
ECU_7	NISSAN_OIL_PRESS_SWITCH	Oil pressure switch
ECU_11	NISSAN_WH_FL	Front left wheel speed
ECU_12	NISSAN_WH_FR	Front right wheel speed
ECU_13	NISSAN_WH_RL	Rear left wheel speed
ECU_14	NISSAN_WH_RR	Rear right wheel speed