AiM InfoTech

# SCCA GEN3 SpecRacer Ford ECU

Release 1.02

ECU

1
Supported models

This tutorial explains how to connect AiM devices to SCCA SRF GEN3 ECU.

2
Wiring connection

For GEN3 SpecRacer Ford vehicles equipped with Performance Electronics PE3 ECU, it is possible to connect to AiM devices through the "Data Output" connector (following pictures). Here below are connector pinout – vehicle side and connection scheme.
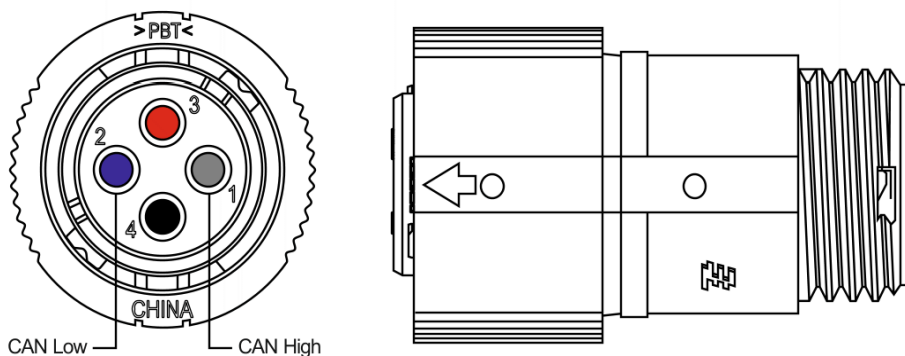
Data output connector pin	Pin function	AiM cable	AiM color cable
1	CAN High	CAN +	White
2	CAN Low	CAN -	Blue
3	12V (2 amp max load)	9-15 VDC	Red
4	Ground	GND	White

- Mating connector part number/s are:
- Connector shell **1445389-3**
- Pins **770987-1**
- Strain relief **1445730-1**

3

Race Studio 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   **SCCA Enterprises**
- ECU Model: **Spec_Racer_Ford_GEN3**

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"SCCA Enterprises–Spec_Racer_Ford_GEN3" Protocol

Channels received by AiM device configured with "SCCA Enterprises – SPEC_RACER_FORD_GEN3" protocol are:

CHANNEL NAME	FUNCTION
SRF RPM	RPM
SRF GEAR	Active gear
SRF SPEED	Vehicle speed
SRF ECT	Engine coolant temperature
SRF AIR T	Intake air temperature
SRF OIL T	Oil temperature
SRF OIL P	Oil pressure
SRF TPS	Throttle position sensor
SRF FUEL P1	Fuel pressure 1
SRF MAP1	Manifold air pressure 1
SRF IGN ANG	Ignition angle
SRF UB	Battery supply
SRF AFR 1	Air fuel ratio 1
SRF AFR 2	Air fuel ratio 2