

AiM InfoTech

SCCA GEN3 SpecRacer Ford ECU

Release 1.01



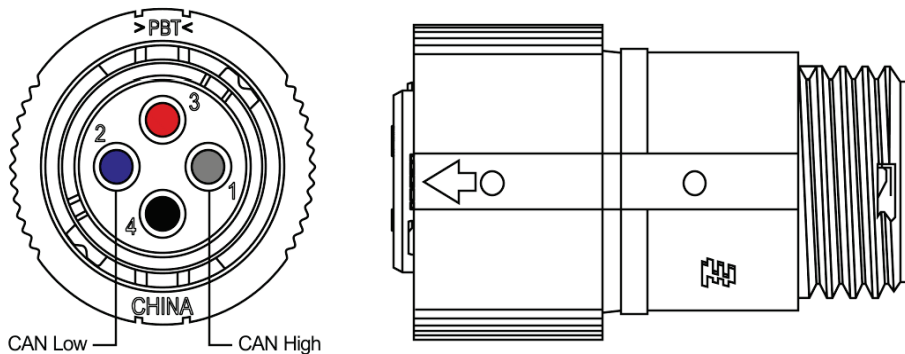
ECU



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

1 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
1	CAN High	CAN +
2	CAN Low	CAN -
3	12V (2 amp max load)	9-15 VDC
4	Ground	Ground

Mating connector part number/s are:

- Connector shell 1445389-1
- Pins 770985-1
- Strain relief 1445730-1

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

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Available channels

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	Speed
SRF TPS	Throttle position sensor
SRF MAP1	Manifold air pressure 1
SRF OIL_P	Oil pressure
SRF FUEL_P1	Fuel pressure 1
SRF ECT	Engine coolant temperature
SRF OIL_T	Oil temperature
SRF AIR_T	Intake air temperature
SRF LAMBDA1	Lambda 1 value
SRF LAMBDA2	Lambda 2 value
SRF IGN_ANG	Ignition angle
SRF UB	Battery supply
SRF AFR 1	Air fuel ratio 1



SRF AFR 2

Air fuel ratio 2