

AiM InfoTech

SCCA GEN3 SpecRacer Ford ECU

Release 1.00



ECU

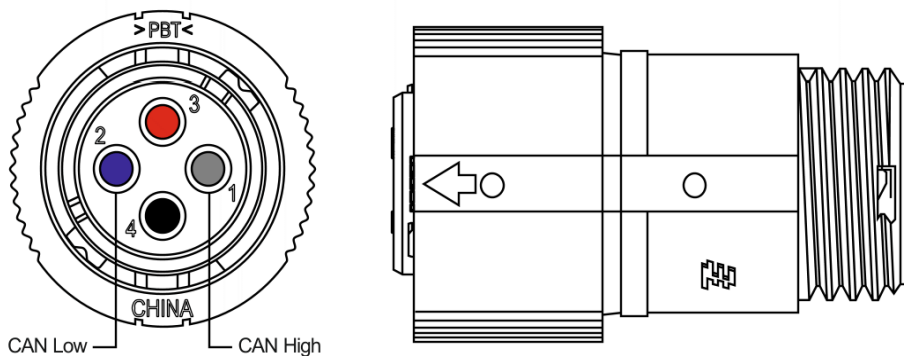


1 Supported models

This tutorial explains how to connect your AiM device to SCCA SRF GEN3 vehicles.

2 Wiring connection

GEN3 SpecRacer Ford vehicles are equipped with Performance Electronics PE3 ECU that features a bus communication protocol based on CAN. The vehicle stock harness includes a four pin "Data output" connector. 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 your AiM device to the vehicle ECU set it up using AiM Race Studio software. The parameters to set in the device configuration are:

- ECU Manufacturer: "SCCA Enterprises"
- ECU Model: "SpecRacer Ford, GEN3 "

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Available channels

Channels received by AiM device connected to "SCCA Enterprises" "SpecRacer Ford, GEN3" protocol are:

ID	CHANNEL NAME	FUNCTION
ECU_1	SRF_RPM	RPM
ECU_2	SRF_SPEED	Speed
ECU_3	SRF_TPS	Throttle position sensor
ECU_4	SRF_MAP1	Manifold air pressure 1
ECU_5	SRF_OIL_P	Oil pressure
ECU_6	SRF_FUEL_P1	Fuel pressure 1
ECU_7	SRF_ECT	Engine coolant temperature
ECU_8	SRF_OIL_T	Oil temperature
ECU_9	SRF_AIR_T	Intake air temperature
ECU_10	SRF_LAMBDA1	Lambda 1 value
ECU_11	SRF_LAMBDA2	Lambda 2 value
ECU_12	SRF_IGN_ANG	Ignition angle
ECU_13	SRF_UB	Battery supply