

CAN Development Kit

Overview

This Development Kit pairs with Generation 1 R&D Sensors.

It has a 6 pin JWPF Connector that connects the sensor and 2 DSUB 9 pin connectors – one male, one female, that provide a CAN connection to the sensor. It allows for a chain of CAN sensors to be connected together.

It also features a switchable termination resistor with filtering to reduce noise on the CAN bus and a micro USB port to provide power to the sensor.

Environment	Operating temperature	-40 to +80	°C
	Dust and Water Ingress	no protection	

Mass		30	grams
Dimensions	Height x Width x Length	17x50x45	mm

CAN [1]	Baud Rates	up to 1000	kbps
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Power [2]	Voltage Range	5 to 5.2	V
	Current	up to 200mA	mA @ 5V

Sensor Connector	On Unit	B06B-JWPF-SK-R
	Mating [3]	06R-JWPF-VSLE-D
	Crimp	SWPR-001T-P025
	Pin No.	Function
	1	Ignition/wakeup [3]
	2	Supply Voltage
	3	Ground
	4	CAN High
	5	CAN Low
	6	Factory Reset [4]

CAN Connectors	On Unit	1 x D-Sub 9 Pin Male 1 x D-Sub 9 Pin Female
	Mating [3]	Any D-Sub 9 pin Male and Female
	Crimp	N/A
	Pin No.	Function
	1	Not Connected
	2	CAN Low
	3	Not Connected
	4	Not Connected
	5	Not Connected
	6	Ground
	7	CAN High
	8	Not Connected
	9	Not Connected

Switch	Position	Function
CAN Termination	On	CAN Bus Terminated and Filtered
	Off	CAN bus unterminated

Jumper	Position	Function
FACT_RST	Pins 1 and 2 jumped	Unit is set to factory defaults at power up
	Open or pins 2 and 3 jumped	No Function
WAKE	Pins 1 and 2 jumped	If the wake feature is enabled jumping these 2 pins keeps the unit awake
	Open or pins 2 and 3 jumped	If the wake feature is enabled this causes the unit to sleep

[1] The filtering frequency is above 1000 kbps

[2] This is 5V minimum at the Development board ensure that the USB cable is short and of good quality

[3] Not Supplied