

CAN Development Kit

Overview

This Development Kit goes with Generation 1 Sensors.

It has a 6 pin JWPFF 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