



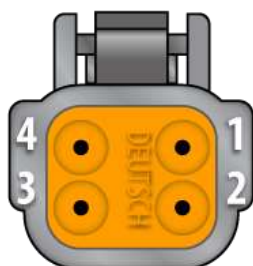
PRO-FLO 4 CAN BUS DATA STREAM PROTOCOL

UPDATE – Starting early 2019, the CAN connector on all Pro-Flo 4 wiring harnesses switched from a DB9 plug to Deutsch DTM 4 pin plug. See information below regarding pin out for each connector type. Note that all future Edelbrock CAN enabled devices will use DTM type connectors and replacing the DB9 connector on your harness may be necessary.

Pro-Flo 4 fuel injection systems have a 20 channel CAN bus data stream that's available in firmware versions v53 and later. The data stream uses 11 bit addresses, has a bus speed of 1 Mbit/sec and all channels are sent as Big Endian at 200hz. The CAN bus network is accessible through the CAN connector on all Pro-Flo 4 main harnesses. The Pro-Flo 4 ECU has an internal 120 ohm terminating resistor. A validated DBC file is also available for those devices that may accept a direct DBC file upload.

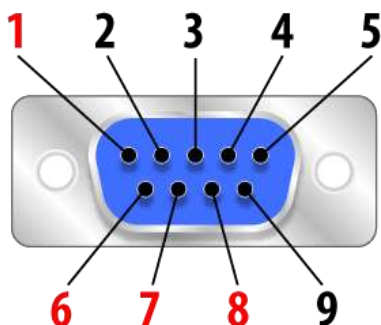
CAN BUS CONNECTOR PIN OUTS

DEUTSCH DTM 4-WAY CONNECTOR (Wire Entry View)



Pin 1	CAN+
Pin 2	CAN-
Pin 3	Switched +12v
Pin 4	Ground-

DB9 CONNECTOR (Wire Entry View)



Pin 1	Ground-
Pin 6	CAN+
Pin 7	CAN-
Pin 8	Switched +12v

Address	Byte	Name	Unit	Scalar	Offset
300	1	Engine Speed	RPM	1	0
	2				
	3	Air Fuel Ratio	AFR Gas (14.65)	0.05	10
	4	Air Fuel Ratio Target	AFR Gas (14.65)	0.1	0
	5	Throttle Position	%	0.392157	0
	6	Manifold Absolute Pressure	mbar	1	0
	7				
	8	Long Term Fuel Trim	%	1	-100

301	1	Fuel Pressure	Bar	0.01	0
	2				
	3	Fuel Injector Pulse Width	msec	0.001	0
	4				
	5	Fuel Injector Duty	%	1	0
	6	Ignition Timing	°BTDC	0.25	0
	7				
	8	Idle Position	%	0.392157	0

302	1	Short Term Fuel Trim	%	0.05 (signed)	0
	2				
	3	Intake Air Temperature	°F	1	0
	4				
	5	Coolant Temperature	°F	1	0
	6				
	7	Battery Voltage	Volts	0.0705882	0
	8	AFR Learn Status		0=OFF, 1=ON	

303	1	Idle Target	RPM	1	0
	2				
	3	AFR Closed Loop Status		0-1=OFF, 2=ON	
	4	Radiator Fan 1 Status		0=OFF, 1=ON	
	5	Radiator Fan 2 Status		0=OFF, 1=ON	
	6	-	-	-	-
	7	-	-	-	-
	8	-	-	-	-