

NO	LABEL	Description	Notes
1	+12V	Power supply for the device. 9-30V, ~0.5A (6.5A with AUX ON)	Connect to a switched +12V or + 24V power source
2	GND	Ground supply	Connect to chassis/engine ground
3	+5V	+5V sensor supply	Max current 200mA
4	SGND	Ground supply for sensors	Protected from overcurrent
5	AN1 / DI1	Analog/Digital input 0-5V,selectable pull-up 1K to 5V	
6	AN2 / DI2	Analog/Digital input 0-5V,selectable pull-up 1K to 5V	
7	AN3 / DI3 / FR1	Analog/Digital/Frequency input 0-5V,selectable pull-up 1K to 5V	FR trigger threshold 1.2V
8	CAN 2 LO / RS232 RX	250kbit – 1.333Mbit speed, selectable 120R termination	Optional use as RS232 data input
9	CAN 2 HI		
10	LIN	Lin bus Master connection	Device boots in recovery mode when connected to ground
11	AN4 / DI4 / FR2	Analog/Digital/Frequency input 0-5V,selectable pull-up 1K to 5V	FR trigger threshold 1.2V
12	AN5 / DI5 / FR3	Analog/Digital/Frequency input 0-16V	FR trigger threshold 4V, fixed 16K pull down
13	AN6 / DI6 / FR4	Analog/Digital/Frequency input 0-16V	FR trigger threshold 4V, fixed 16K pull down
14	CAN 1 LO	250kbit – 1.333Mbit speed, selectable 120R termination	
15	CAN 1 HI		
16	RS232-TX	RS232 data output	
17	AN7 / DI7 / FR5	Analog/Digital/Frequency input 0-16V	FR trigger threshold 4V, fixed 16K pull down
18	AN8 / DI8 / FR6	Analog/Digital/Frequency input 0-16V	FR trigger threshold 4V, fixed 16K pull down
19	DI9 / FR7	Digital / Frequency input 0-5V	FR trigger threshold 2V, fixed 100K pullup to 5V
20	USB DATA-P	USB data positive	USB Flash Logging and Communications port
21	USB DATA-N	USB data negative	
22	USB 5V	USB +5V	
23	USB GND	USB ground	
24	AUX2 HS	Auxiliary output – High Side 3A max current	ON/OFF or PWM.Sources current from pin 1
25	AUX1 HS	Auxiliary output – High Side 3A max current	ON/OFF or PWM.Sources current from pin 1
26	DI10 / FR8	Digital / Frequency input 0-5V	FR trigger threshold 2V, fixed 100K pullup to 5V



[connector wire side view \(rear\)](#)

LOOM CONNECTOR	TE 3-1437290-7 (keying 1)
WIRE PINS	TE 3-1447221-4
DUMMY PLUGS	TE 4-1437284-3

