

NO	LABEL	Description	Notes
1	LIN RECOVERY	Lin bus Master / Recovery	Device boots in recovery mode when pin connected to ground
2	AN1/DI1	Analog / Digital input 0-5V	selectable pull-up 3K3 to +5V
3	AN2/DI2	Analog / Digital input 0-5V	selectable pull-up 3K3 to +5V
4	AN3/DI3	Analog / Digital input 0-5V	selectable pull-up 3K3 to +5V
5	AN4/DI4	Analog / Digital input 0-5V	selectable pull-up 3K3 to +5V
6	DI9	Digital input	fixed 47K pull to 5V
7	DI10	Digital input	fixed 47K pull to 5V
8	DI11	Digital input	fixed 47K pull to 5V
9	DI12	Digital input	fixed 47K pull to 5V
10	USB DN	USB data negative signal	for PC communications and USB Flash logging
11	DI13	Digital input	fixed 47K pull to 5V
12	DI14	Digital input	fixed 47K pull to 5V
15	AN5/DI5/FR5	Analog / Digital / Frequency input 0-16V	FR trigger threshold adj, fixed 16K pull down, selectable 330R pull-down
16	AN6/DI6/FR6	Analog / Digital / Frequency input 0-16V	FR trigger threshold adj, fixed 16K pull down, selectable 330R pull-down
17	AN7/DI7/FR7	Analog / Digital / Frequency input 0-16V	FR trigger threshold adj, fixed 16K pull down, selectable 330R pull-down
18	AN8/DI8/FR8	Analog / Digital / Frequency input 0-16V	FR trigger threshold adj, fixed 16K pull down, selectable 330R pull-down
19	CAN1HI	CAN Port 1 High signal	250kbit – 1.333Mbit speed, selectable 120R termination
20	CAN2HI RS232RX	CAN Port 2 High signal / RS232 Port Rx input	250kbit – 1.333Mbit speed, selectable 120R termination
23	USB DP	USB data positive signal	for PC communications and USB Flash logging
24	DI15	Digital input	fixed 47K pull to 5V
25	DI16	Digital input	fixed 47K pull to 5V
27	+8-24V	Power supply for the device	Connect to a switched +8-24V power source, 3A max
28	GND	Ground supply the device	Connect to chassis/engine ground
29	SGND	Ground supply output for sensors	Protected from overcurrent
30	+5V SENS	+5V supply output for sensors	protected, max 250mA
32	CAN1LO	CAN Port 1 Low signal	250kbit – 1.333Mbit speed, selectable 120R termination
33	CAN2LO RS232TX	CAN Port 2 Low signal / RS232 Port Tx output	250kbit – 1.333Mbit speed, selectable 120R termination
36	USB +5V	USB +5V	protected, max 250mA
37	USB GND	USB ground	
38	AUX1 HS	Auxiliary output – High Side	ON/OFF or PWM, sources current from pin 27, 1A max current
39	AUX2 HS	Auxiliary output – High Side	ON/OFF or PWM, sources current from pin 27, 1A max current
13 14 21 22 26 31 34 35	NC	UNUSED - DO NOT CONNECT	

CONNECTOR PINOUT (WIRE SIDE VIEW)

13	NC	DI14	DI13	USB DN	DI12	DI11	DI10	DI9	AN4/DI4/FR4	AN3/DI3/FR3	AN2/DI2/FR2	AN1/DI1/FR1	LIN RECOVERY	1
26	NC	DI16	DI15	USB DP	NC	NC	CAN2HI RS232RX	CAN1HI	AN8/DI8/FR8	AN7/DI7/FR7	AN6/DI6/FR6	AN5/DI5/FR5	NC	14
39	AUX2 HS	AUX1 HS	USB GND	USB +5V	NC	NC	CAN2LO RS232TX	CAN1LO	NC	+5V SENS	SGND	GND	+8-24V	27

LOOM CONNECTOR	JAE MX47039SF1 + MX47039XF1 cap
WIRE PINS	JAE M47S65H2FA 1.25mm2 – M47S65H3FA 0.85mm2 – M47S65H4FA 0.5mm2
DUMMY PLUGS	JAE M120-55780

