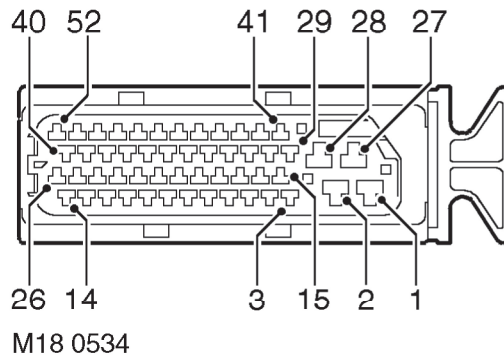


ENGINE MANAGEMENT SYSTEM - MEMS

ECM Harness Connector Details

The following tables give input/output information for the two harness connectors used on the ECM.

Connector C0914 (black) - 52 pin



Pin No.	Description	Input/Output
1	H02S (pre-catalyst) heater drive	Output
2	Not used	-
3	H02S (post catalyst) positive	Output
4	CKP sensor positive	Output
5	Not used	-
6	Engine oil temperature sensor earth	Input
7	ECT sensor earth	Input
8	MAP sensor supply +5V	Output
9	Steptronic EM-CVT Gearbox differential speed sensor signal	Input
10	Not used	-
11	Not used	-
12	VVC solenoid 2 drive	Output
13	IAC valve stepper motor phase B	Input/Output
14	Injector 3 earth	Input
15	H02S (pre-catalyst) positive	Output
16	CMP sensor signal	Input
17	CKP sensor screened earth	Input

Continued.....



Connector C0914 - Continued

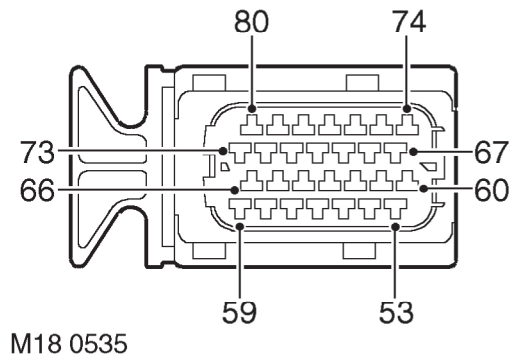
Pin No.	Description	Input/Output
18	IAT sensor earth	Input
19	Main relay 12V supply	Input
20	TP sensor signal	Input
21	Not used	-
22	Not used	-
23	Not used	-
24	IAC valve stepper motor phase D	Input/Output
25	Injector 1 earth	Input
26	Ignition coil 2 earth	Input
27	H02S (post catalyst) heater drive	Output
28	H02S (post catalyst) screened earth	Input
29	H02S (post catalyst) negative	Input
30	CKP sensor negative	Input
31	MAP sensor earth	Input
32	Engine oil temperature sensor signal	Input
33	ECT sensor signal	Input
34	TP sensor earth	Input
35	Alternator load signal	Input
36	Not used	-
37	A/C evaporator temperature sensor earth	Input
38	EVAP purge valve drive	Output
39	IAC valve stepper motor phase A	Input/Output
40	Injector 4 earth	Input
41	H02S (pre-catalyst) negative	Input
42	CMP sensor earth	Input
43	Not used	-
44	IAT sensor signal	Input
45	MAP sensor signal	Input

Continued.....

Connector C0914 - Continued

Pin No.	Description	Input/Output
46	TP sensor supply +5V	Output
47	A/C evaporator temperature sensor signal	Input
48	Instrument pack gearbox position display PWM signal - Steptronic EM-CVT	Output
49	VVC solenoid 1 drive	Output
50	IAC valve stepper motor phase C	Input/Output
51	Injector 2 earth	Input
52	Ignition coil 1 earth	Input

Connector C0913 (black) - 28 pin



Pin No.	Description	Input/Output
53	A/C clutch relay coil earth	Input
54	Main relay coil earth	Input
55	Instrument pack - Tachometer drive	Output
56	A/C on/off switch	Input
57	A/C pressure sensor supply +5V	Output
58	Diagnostic ISO 9141 K Line	Input/Output
59	Main earth 1	Input
60	Cooling fan relays coil earth (A/C only)	Input
61	Ignition switch signal	Input

Continued.....



Connector C0913 - Continued

Pin No.	Description	Input/Output
62	Not used	-
63	Park/Neutral switch (Steptronic EM-CVT only)	Input
64	Non ABS road speed sensor positive	Output
65	Not used	-
66	Main earth 3	Input
67	Cooling fan relay coil earth	Input
68	Fuel pump relay coil earth	Input
69	Malfunction Indicator Lamp (MIL) earth	Input
70	A/C pressure sensor signal	Input
71	A/C pressure sensor earth	Input
72	Alarm ECU - Immobilisation coded signal	Input
73	Main earth 2	Input
74	Not used	-
75	Gearbox Interface Unit (GIU) data transmit (Steptronic EM-CVT only)	Output
76	Fuel tank level sensor signal	Input
77	Gearbox Interface Unit (GIU) data receive (Steptronic EM-CVT only)	Input
78	ABS ECU Road speed signal / non ABS road speed sensor negative	Input
79	Not used	-
80	Battery permanent supply - Under bonnet fusebox Fuse 2	Input