

Master should be set so that the numbers in the middle of the fuel table end up around a value of 50. This is to allow sufficient span of the numbers in the main fuel table.

1.8 Pinouts

Pin information is provided to assist when troubleshooting. All pinouts are looking into the ECU (wire side).

1.8.1 MR2Link V1

1	2	3	4	5	6	7	8	9	10	11	12	13	31	32	33	34	35	36	37	38	51	52	53	54	55	56	57	58	59	60	61
14	15	16	17	18	19	20	21	22	23	24	25	26	39	40	41	42	43	44	45	46	62	63	64	65	66	67	68	69	70	71	72

Pin	ECU Pin	Function	Pin	ECU Pin	Function
1 (B13)	Ground		44 (C11)	An Volt 2	TPS Signal
2 (B12)	Injector 1	Injection	45 (C10)	An Temp 3	Spare
3 (B11)	Injector 2	Injection	46 (C9)	Ground (Signal)	
4 (B10)	nc				
5 (B9)	Aux 1	ISC Open	51 (A11)	DI 1	Start Signal
6 (B8)	Injector 6 (Aux)	Oxy Heater	52 (A10)	DI 2	A/C Request
7 (B7)	nc		53 (A9)	DI 3	Vehicle Speed
8 (B6)	Aux 3	Wastegate Solenoid	54 (A8)	nc	
9 (B5)	nc		55 (A7)	nc	
10 (B4)	nc		56 (A6)	Aux 4	Fuel Pump Speed
11 (B3)	nc		57 (A5)	Aux 8	CE Light
12 (B2)	nc		58 (A4)	nc	
13 (B1)	Trig 1	Trig 1 (NE)	59 (A3)	nc	
14 (B26)	Ground		60 (A2)	nc	
15 (B25)	Injector 3	Injection	61 (A1)	nc (+12V constant)	
16 (B24)	Injector 4	Injection	62 (A22)	nc	
17 (B23)	Injector 5 (Aux)	EGR	63 (A21)	Aux 6	
18 (B22)	Aux 2	ISC Close	64 (A20)	nc	
19 (B21)	nc		65 (A19)	nc	
20 (B20)	Ignition 1	Ignition	66 (A18)	nc	
21 (B19)	nc		67 (A17)	nc	
22 (B18)	Aux 5	TVIS	68 (A16)	nc	
23 (B17)	Aux 7	Fuel Pump Relay	69 (A15)	nc	
24 (B16)	nc		70 (A14)	nc	
25 (B15)	Trig 2	Trig 2 (G1)	71 (A13)	+14V	ECU Power
26 (B14)	Ground(Signal)		72 (A12)	+14V	ECU Power
31 (C8)	nc		Expansion 1	Ground (Signal)	
32 (C7)	nc		Expansion 2	+5V Out	
33 (C6)	An Volt 1	Oxy Signal	Expansion 3	DI 5	
34 (C5)	Knock 1	Knock	Expansion 4	DI 6	
35 (C4)	An Temp 1	ECT	Expansion 5	DI 4	
36 (C3)	An Temp 2	AFM IAT (ambient temp)	Expansion 6	An Volt 4	
37 (C2)	An Volt 4	AFM	Expansion 7	An Volt 5	
38 (C1)	+5V Out		Expansion 8	An Volt 6	
39 (C16)	Ground (G-)				
40 (C15)	nc		Ignition Expansion	Ignition 2	Spare
41 (C14)	nc			Ignition 1	Ignition
42 (C13)	An Volt 3	MAP (Factory Sensor)		Ignition 3	Spare
43 (C12)	nc			Ignition 4	Spare

Note: On the mr2 AC request is actually just from, the AC clutch, not the push button.

Note: Injector Drives 7 and 8 aren't exposed and don't have the hardware required to drive Injectors.

1.9 CAN Information

The following CAN (Controller Area Network) information is provided:

1.9.1 MR2Link V1

The G4X MR2Link V1 Plug-in ECU has one CAN bus. This CAN bus exists to support aftermarket CAN devices.

CAN bus 1 uses a 5 pin connector and is labeled on the ECU as 'CAN 1/RS232'.

If using this connector for CAN ensure the cable being used doesn't have Serial wires connected as this can act as an aerial and prevent USB communications from working.

CAN 1/RS232 Connector		
Pin	Function	Colour
1	Comms GND	Brown
2	CAN1 L	Green
3	CAN1 H	White
4	RS232-RX	Grey
5	RS232-TX	Yellow

To learn more about CAN see PCLink help.

1.10 Known Issues

All plug-in ECUs are fully tested on a range of relevant vehicles, although there are often variations that have not been tested. For this reason issues can arise.

WARNING: Always download the latest Installation Manual from linkecu.com and check the latest status of known issues before installing the ECU.

Please contact your nearest Link dealer when suspecting a compatibility issue.

1.10.1 MR2Link V1

There are currently no known issues.