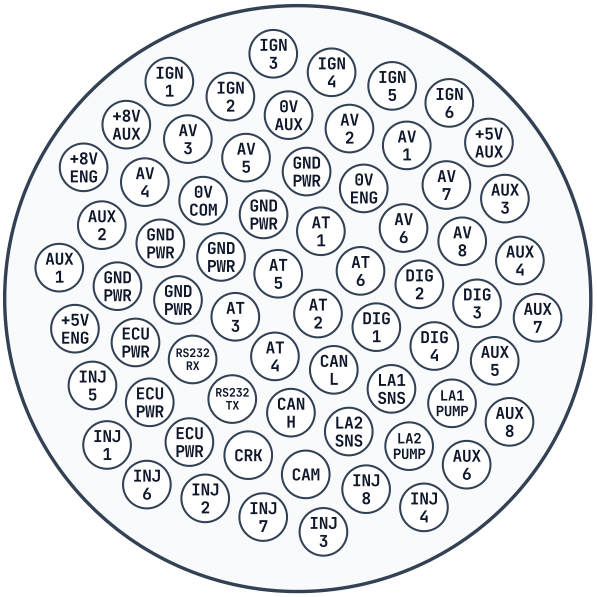
MoTeC M880 pinout

ecurecovery.com/pinouts/motec/m880 · Every pin checked against 2 MoTeC documents · data checked 2026-11-01

66-pin connector

LOOKING INTO THE CONNECTOR ON THE ECU



MoTeC M880 66-pin connector pinout

Pin	Function	MoTeC note
1	Ignition Output 1 (IGN1)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
2	8V Auxiliary Sensor and CAN Supply (8V-AUX)	
3	8V Engine Sensor Supply (8V-ENG)	
4	Ignition Output 3 (IGN3)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
5	Ignition Output 2 (IGN2)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
6	Analog Voltage Input 3 (AV3)	
7	Analog Voltage Input 4 (AV4)	
8	Auxiliary Output 2 (AUX2)	
9	Auxiliary Output 1 (AUX1)	
10	Ignition Output 4 (IGN4)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
11	0V Auxiliary Sensor Supply (0V-AUX)	
12	Analog Voltage Input 5 (AV5)	
13	0V Comms (0V-COM)	
14	Battery Negative (GND)	
15	Battery Negative (GND)	
16	5V Engine Sensor Supply (5V-ENG)	
17	Ignition Output 5 (Not available on M400) (IGN5)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
18	Analog Voltage Input 2 (AV2)	
19	Battery Negative (GND)	
20	Battery Negative (GND)	
21	Battery Negative (GND)	
22	Battery Negative (GND)	

Pin	Function	MoTeC note
23	Battery Positive (VBAT)	
24	Injector Output 5 (Not available on M400) (INJ5)	
25	Ignition Output 6 (Not available on M400) (IGN6)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
26	Analog Voltage Input 1 (AV1)	
27	0V Engine Sensor Supply (0V-ENG)	
28	Analog Temperature Input 1 (AT1)	
29	Analog Temperature Input 5 (AT5)	
30	Analog Temperature Input 3 (AT3)	
31	RS232 Receive Data (RX-232)	
32	Battery Positive (VBAT)	
33	Injector Output 1 (INJ1)	
34	5V Auxiliary Sensor Supply (5V-AUX)	
35	Analog Voltage Input 7 (AV7)	
36	Analog Voltage Input 6 (AV6)	
37	Analog Temperature Input 6 (AT6)	
38	Analog Temperature Input 2 (AT2)	
39	Analog Temperature Input 4 (AT4)	
40	RS232 Transmit Data (TX-232)	
41	Battery Positive (VBAT)	
42	Injector Output 6 (Not available on M400) (INJ6)	
43	Auxiliary Output 3 (AUX3)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
44	Analog Voltage Input 8 (AV8)	
45	Digital Input 2 (DIG2)	
46	Digital Input 1 (DIG1)	
47	Can Bus Low (CAN-LO)	
48	Can Bus High (CAN-HI)	
49	Crank Reference Timing Input (REF)	
50	Injector Output 2 (INJ2)	
51	Auxiliary Output 4 (AUX4)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
52	Digital Input 3 (DIG3)	
53	Digital Input 4 (DIG4)	
54	Lambda1 Sense Voltage (LA1-S)	
55	Lambda2 Sense Voltage (Not available on M400) (LA2-S)	
56	Cam Sync Timing Input (SYNC)	
57	Injector Output 7 (Not available on M400 & M600) (INJ7)	
58	Auxiliary Output 7 (AUX7)	
59	Auxiliary Output 5 (AUX5)	
60	Lambda1 Pump Current (LA1-P)	
61	Lambda2 Pump Current (Not available on M400) (LA2-P)	
62	Injector Output 8 (Not available on M400 & M600) (INJ8)	
63	Injector Output 3 (INJ3)	
64	Auxiliary Output 8 (AUX8)	
65	Auxiliary Output 6 (AUX6)	
66	Injector Output 4 (INJ4)	

Where this comes from

MoTeC user's manual (pin list by function)

M400 / M600 / M800 / M880 User's Manual, Appendix L: Pin list by Function

MoTeC wiring diagram

M880 ECU wiring diagram (MoTeC WD_ECU_M880)

Plug drawing: TE Connectivity Deutsch Autosport catalogue, insert arrangements (used for the drawing only)

Third party

TE Connectivity, Deutsch Autosport Interconnection Solutions (2022), page 25: AS contact / insert arrangements