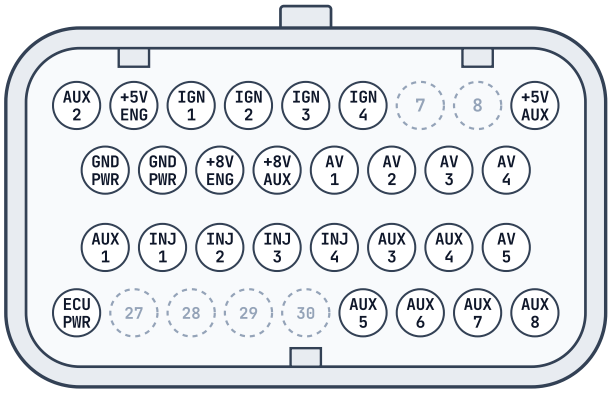
MoTeC M400 pinout

ecurecovery.com/pinouts/motec/m400 · Every pin checked against 2 MoTeC documents · data checked 2026-11-01

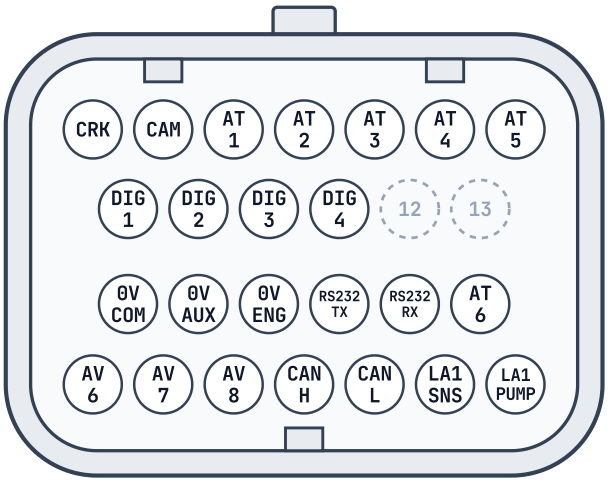
Connector A · 34-pin

LOOKING INTO THE CONNECTOR ON THE ECU



Connector B · 26-pin

LOOKING INTO THE CONNECTOR ON THE ECU



MoTeC M400 connector A pinout (34-pin)

Pin	Function	MoTeC note
A1	Auxiliary Output 2 (AUX2)	
A2	5V Engine Sensor Supply (5V-ENG)	
A3	Ignition Output 1 (IGN1)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
A4	Ignition Output 2 (IGN2)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
A5	Ignition Output 3 (IGN3)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
A6	Ignition Output 4 (IGN4)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
A7	Not used	
A8	Not used	
A9	5V Auxiliary Sensor Supply (5V-AUX)	
A10	Battery Negative (GND)	
A11	Battery Negative (GND)	
A12	8V Engine Sensor Supply (8V-ENG)	
A13	8V Auxiliary Sensor and CAN Supply (8V-AUX)	
A14	Analog Voltage Input 1 (AV1)	
A15	Analog Voltage Input 2 (AV2)	
A16	Analog Voltage Input 3 (AV3)	
A17	Analog Voltage Input 4 (AV4)	
A18	Auxiliary Output 1 (AUX1)	
A19	Injector Output 1 (INJ1)	
A20	Injector Output 2 (INJ2)	
A21	Injector Output 3 (INJ3)	
A22	Injector Output 4 (INJ4)	
A23	Auxiliary Output 3 (AUX3)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
A24	Auxiliary Output 4 (AUX4)	Outputs marked * do not have a recirculation diode, see the Output Specifications for more detail.
A25	Analog Voltage Input 5 (AV5)	

Pin	Function	MoTeC note
A26	Battery Positive (VBAT)	
A27	Not used	
A28	Not used	
A29	Not used	
A30	Not used	
A31	Auxiliary Output 5 (AUX5)	
A32	Auxiliary Output 6 (AUX6)	
A33	Auxiliary Output 7 (AUX7)	
A34	Auxiliary Output 8 (AUX8)	

MoTeC M400 connector B pinout (26-pin)

Pin	Function	MoTeC note
B1	Crank Reference Timing Input (REF)	
B2	Cam Sync Timing Input (SYNC)	
B3	Analog Temperature Input 1 (AT1)	
B4	Analog Temperature Input 2 (AT2)	
B5	Analog Temperature Input 3 (AT3)	
B6	Analog Temperature Input 4 (AT4)	
B7	Analog Temperature Input 5 (AT5)	
B8	Digital Input 1 (DIG1)	
B9	Digital Input 2 (DIG2)	
B10	Digital Input 3 (DIG3)	
B11	Digital Input 4 (DIG4)	
B12	Not used	
B13	Not used	
B14	0V Comms (0V-COM)	
B15	0V Auxiliary Sensor Supply (0V-AUX)	
B16	0V Engine Sensor Supply (0V-ENG)	
B17	RS232 Transmit Data (TX-232)	
B18	RS232 Receive Data (RX-232)	
B19	Analog Temperature Input 6 (AT6)	
B20	Analog Voltage Input 6 (AV6)	
B21	Analog Voltage Input 7 (AV7)	
B22	Analog Voltage Input 8 (AV8)	
B23	Can Bus High (CAN-HI)	
B24	Can Bus Low (CAN-LO)	
B25	Lambda1 Sense Voltage (LA1-S)	
B26	Lambda1 Pump Current (LA1-P)	

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

M400 ECU wiring diagram (MoTeC WD_ECU_M400)