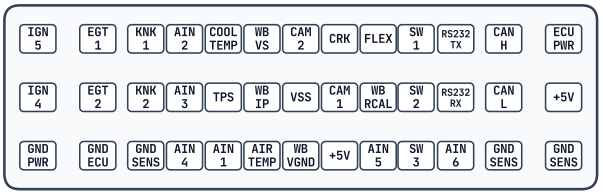
ECUMaster EMU Black pinout

ecurecovery.com/pinouts/ecumaster/emu-black · Every pin from ECUMaster's own pinout for this ECU, read twice · data checked 2026-11-01

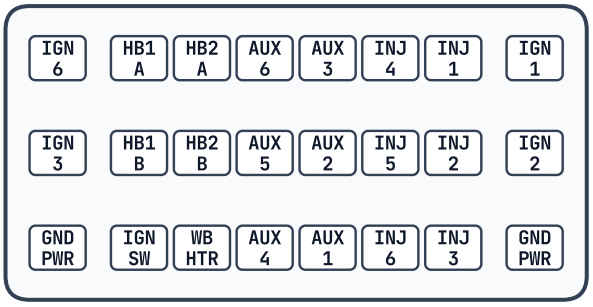
Connector Black · 39-pin

THE ECU'S HEADER AS DRAWN ON ECUMASTER'S PINOUT SHEET



Connector Grey · 24-pin

THE ECU'S HEADER AS DRAWN ON ECUMASTER'S PINOUT SHEET



ECUMaster EMU Black connector Black pinout (39-pin)

Pin	Function
B1	Ignition coil #5
B2	EGT in #1
B3	Knock Sensor in #1
B4	Analog In #2
B5	CLT In
B6	WBO Vs
B7	Camsync In #2
B8	Primary trigger
B9	Flex Fuel In
B10	Switch #1 In
B11	RS232 TXD
B12	CAN H
B13	Battery +12V
B14	Ignition coil #4
B15	EGT in #2
B16	Knock Sensor in #2
B17	Analog In #3
B18	TPS In
B19	WBO Ip
B20	VSS In
B21	Camsync In #1
B22	WBO Rcal
B23	Switch #2 In
B24	RS232 RXD
B25	CAN L
B26	+5V supply
B27	Power Ground
B28	Ecu Ground
B29	Sensor Ground
B30	Analog In #4
B31	Analog In #1
B32	IAT In

Pin	Function
B33	WBO VGND
B34	+5V supply
B35	Analog In #5
B36	Switch #3 In
B37	Analog In #6
B38	Sensor Ground
B39	Sensor Ground

ECUMaster EMU Black connector Grey pinout (24-pin)

Mating connector: FCI 211PC249S8033 (Sicma 24)

Pin	Function
G1	Ignition coil #6
G2	H-Bridge #1 Winding A
G3	H-Bridge #2 Winding A
G4	AUX 6
G5	AUX 3
G6	Injector #4
G7	Injector #1
G8	Ignition coil #1
G9	Ignition coil #3
G10	H-Bridge #1 winding B
G11	H-Bridge #2 winding B
G12	AUX 5
G13	AUX 2 / Injector #8
G14	Injector #5
G15	Injector #2
G16	Ignition coil #2
G17	Power Ground
G18	Ignition +12V
G19	WBO Heater
G20	AUX 4 / Tacho
G21	AUX 1 / Injector #7
G22	Injector #6
G23	Injector #3
G24	Power Ground

Where this comes from

ECUMaster pinout for this ECU

EMU Black pinout sheet