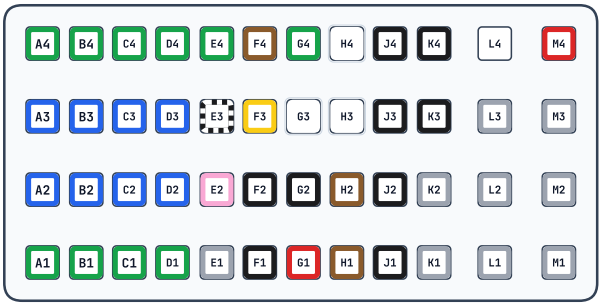
MaxxECU V1 pinout

ecurecovery.com/pinouts/maxxecu/v1 · Every pin checked against 2 MaxxECU documents · data checked 2026-11-01

48-pin connector

LOOKING INTO THE PLUG'S MATING FACE, CAVITY LETTERS AS MOLEX (THE PLUG'S MAKER) PRINTS THEM



MaxxECU V1 48-pin connector pinout

Mating connector: Molex 643203311

Pin	Function	Wire	MaxxECU note
A1	GP OUT 5	green	
A2	IGNITION CYL 1	blue	
A3	IGNITION CYL 2	blue	
A4	TACH/GP OUT 8	green	660ohm pullup
B1	GP OUT 6	green	
B2	IGNITION CYL 3	blue	
B3	IGNITION CYL 4	blue	
B4	GP OUT 1	green	
C1	GP OUT 7	green	
C2	IGNITION CYL 5	blue	
C3	IGNITION CYL 6	blue	
C4	GP OUT 2	green	
D1	WBO2 HTR PIN 4	green	
D2	IGNITION CYL 7	blue	
D3	IGNITION CYL 8	blue	
D4	GP OUT 3	green	
E1	CAN H	grey	
E2	CAN L	pink	
E3	SHIELD GND	black/white	
E4	GP OUT 4	green	
F1	COOLANT SENSOR	black	
F2	AIR TEMP SENSOR	black	
F3	WBO2 COM	yellow	
F4	WBO2 VS/02 IN	brown	
G1	5V SENSOR SUPPLY	red	(peak 0.5A, max 150mA)
G2	THROTTLE SENSOR	black	
G3	WBO2 IP	white	
G4	WBO2 RCAL	green	
H1	SENSOR GND	brown	
H2	VR GND	brown	

Pin	Function	Wire	MaxxECU note
H3	TRIGGER	white	
H4	HOME/CAM	white	
J1	ANALOG IN 1, TEMP	black	
J2	ANALOG IN 2, TEMP	black	
J3	ANALOG IN 3, 0-5V	black	
J4	ANALOG IN 4, 0-5V	black	
K1	INJECTOR CYL 1	grey	
K2	INJECTOR CYL 2	grey	
K3	DIGITAL IN 1	black	
K4	DIGITAL IN 2	black	
L1	INJECTOR CYL 8	grey	
L2	INJECTOR CYL 7	grey	
L3	INJECTOR CYL 6	grey	
L4	ENGINE GROUND	-	
M1	INJECTOR CYL 3	grey	
M2	INJECTOR CYL 4	grey	
M3	INJECTOR CYL 5	grey	
M4	12V ECU	red	

Where this comes from

MaxxECU's pinout table (online manual)

MaxxECU GEN1 Pinout (maxxecu.com online manual)

MaxxECU's wiring diagram for this ECU

MaxxECU V1 (REV9+) wiring diagram

MaxxECU V1 (REV5+) wiring diagram

Wire colours also checked in MaxxECU's diagrams of other ECUs with the same harness plug

MaxxECU PRO (REV10+) wiring diagram (same harness plug: wire colours)

Wire colours also checked in MaxxECU's diagrams of other ECUs with the same harness plug

MaxxECU PRO (REV9+) wiring diagram (same harness plug: wire colours)

Wire colours also checked in MaxxECU's diagrams of other ECUs with the same harness plug

MaxxECU RACE (REV9+) wiring diagram (same harness plug: wire colours)

Wire colours also checked in MaxxECU's diagrams of other ECUs with the same harness plug

MaxxECU SPORT (REV9+) wiring diagram (same harness plug: wire colours)

Wire colours also checked in MaxxECU's diagrams of other ECUs with the same harness plug

MaxxECU STREET (REV9+) wiring diagram (same harness plug: wire colours)

Plug drawing: Molex customer drawing (used for the drawing only) Third party

Molex customer drawings SD-64320-001 (CMC 48-way) and SD-64319-001 (CMC 32-way)