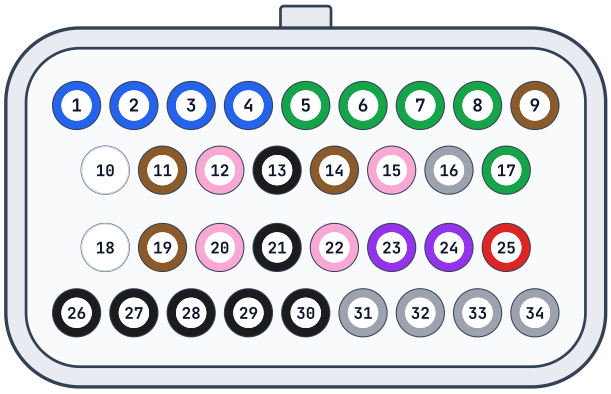
MaxxECU GEN2 TRACK pinout

ecurecovery.com/pinouts/maxxecu/gen2-track · Every pin checked against 2 MaxxECU documents · data checked 2026-11-01

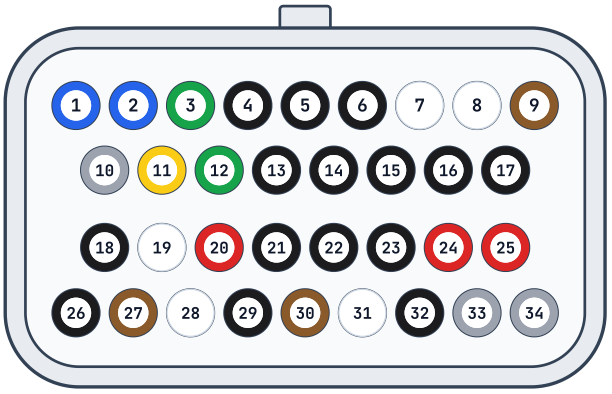
Connector MX1 · 34-pin

LOOKING INTO THE PLUG FROM THE WIRE SIDE, AS MAXXECU DRAWS IT (PIN 1 TOP LEFT)



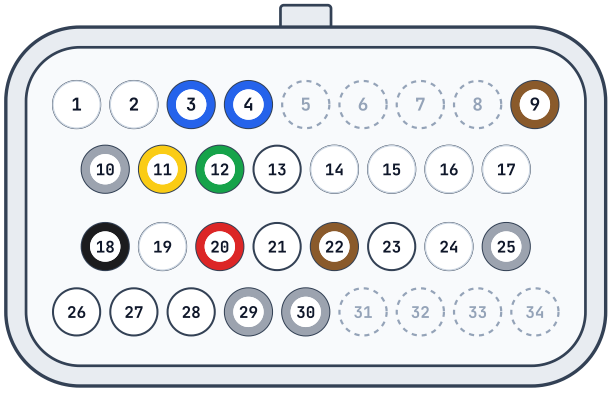
Connector MX2 · 34-pin

LOOKING INTO THE PLUG FROM THE WIRE SIDE, AS MAXXECU DRAWS IT (PIN 1 TOP LEFT)



Connector MX3 · 34-pin

LOOKING INTO THE PLUG FROM THE WIRE SIDE, AS MAXXECU DRAWS IT (PIN 1 TOP LEFT)



MaxxECU GEN2 TRACK connector MX1 pinout (34-pin)

Mating connector: Superseal 1.0, key MX1

Pin	Function	Wire	MaxxECU note
MX1-1	IGNITION 1	blue	
MX1-2	IGNITION 2	blue	
MX1-3	IGNITION 3	blue	
MX1-4	IGNITION 4	blue	
MX1-5	GP OUT 1 (GND)	green	
MX1-6	GP OUT 2 (GND)	green	
MX1-7	GP OUT 3 (GND)	green	
MX1-8	GP OUT 4 (GND)	green	
MX1-9	ENGINE GND	brown	To engine cylinder head.
MX1-10	DIGITAL/VR 1 (PULSE) SIGNAL +	white	
MX1-11	DIGITAL/VR 1 (PULSE) SIGNAL -	brown	
MX1-12	DIGITAL/VR 1 (PULSE) POWER SUPPLY	pink	
MX1-13	DIGITAL/VR 1 (PULSE) SHIELD	black	
MX1-14	SENSOR GND	brown	Must NOT be connected to engine GND

Pin	Function	Wire	MaxxECU note
MX1-15	CAN L	pink	
MX1-16	CAN H	grey	
MX1-17	GP OUT 5 / TACHO (GND)	green	
MX1-18	DIGITAL/VR 2 (PULSE) SIGNAL +	white	
MX1-19	DIGITAL/VR 2 (PULSE) SIGNAL -	brown	
MX1-20	DIGITAL/VR 2 (PULSE) POWER SUPPLY	pink	
MX1-21	DIGITAL/VR 2 (PULSE) SHIELD	black	
MX1-22	5V POWER SUPPLY	pink	
MX1-23	DIGITAL/VR 3 (PULSE) SIGNAL +	purple	
MX1-24	DIGITAL/VR 4 (PULSE) SIGNAL +	purple	
MX1-25	12V ECU SUPPLY 1	red	Main ECU supply.
MX1-26	AIN 1	black	
MX1-27	AIN 2	black	
MX1-28	AIN 3	black	
MX1-29	AIN 4	black	
MX1-30	AIN 5	black	
MX1-31	INJECTOR 1	grey	
MX1-32	INJECTOR 2	grey	
MX1-33	INJECTOR 3	grey	
MX1-34	INJECTOR 4	grey	

MaxxECU GEN2 TRACK connector MX2 pinout (34-pin)

Mating connector: Superseal 1.0, key MX2

Pin	Function	Wire	MaxxECU note
MX2-1	IGNITION 5	blue	
MX2-2	IGNITION 6	blue	
MX2-3	GP OUT 6 (GND)	green	
MX2-4	AIN 6	black	
MX2-5	AIN 7	black	
MX2-6	AIN 8	black	
MX2-7	GP OUT 13 (H-BRIDGE 1)	white	
MX2-8	GP OUT 14 (H-BRIDGE 1)	white	
MX2-9	ENGINE GND	brown	To engine cylinder head.
MX2-10	LAMBDA 1 VS	grey	
MX2-11	LAMBDA 1 COM/VREF	yellow	
MX2-12	LAMBDA 1 HEATER- / GP OUT 7 (GND)	green	
MX2-13	AIN 9	black	
MX2-14	AIN 10	black	
MX2-15	AIN 11	black	
MX2-16	AIN 12	black	
MX2-17	AIN 13	black	
MX2-18	LAMBDA 1 RCAL	black	
MX2-19	LAMBDA 1 IP	white	
MX2-20	LAMBDA 1 HEATER+ (12V)	red	
MX2-21	LAMBDA 1 SHIELD	black	
MX2-22	AIN 14	black	
MX2-23	AIN 15	black	
MX2-24	12V ECU SUPPLY 3	red	Used for ignition key or to power the internal RTC
MX2-25	12V ECU SUPPLY 2	red	Must be wired if 12V driving output exceeds 10A

Pin	Function	Wire	MaxxECU note
MX2-26	KNOCK 1 SHIELD	black	
MX2-27	KNOCK 1-	brown	
MX2-28	KNOCK 1+	white	
MX2-29	KNOCK 2 SHIELD	black	
MX2-30	KNOCK 2-	brown	
MX2-31	KNOCK 2+	white	
MX2-32	AIN 16	black	
MX2-33	INJECTOR 5	grey	
MX2-34	INJECTOR 6	grey	

MaxxECU GEN2 TRACK connector MX3 pinout (34-pin)

Mating connector: Superseal 1.0, key MX3

Pin	Function	Wire	MaxxECU note
MX3-1	GP OUT 15 (H-BRIDGE 2)	white	
MX3-2	GP OUT 16 (H-BRIDGE 2)	white	
MX3-3	IGNITION 7	blue	
MX3-4	IGNITION 8	blue	
MX3-5	Not used	-	
MX3-6	Not used	-	
MX3-7	Not used	-	
MX3-8	Not used	-	
MX3-9	ENGINE GND	brown	To engine cylinder head.
MX3-10	LAMBDA SENSOR 2 VS	grey	
MX3-11	LAMBDA SENSOR 2 VREF	yellow	
MX3-12	GP OUT 8 (GND) / LAMBDA SENSOR 2 H-	green	
MX3-13	LAMBDA SENSOR 2 SHIELD	-	
MX3-14	GP OUT 9 (12V)	white	
MX3-15	GP OUT 10 (12V)	white	
MX3-16	GP OUT 11 (12V)	white	
MX3-17	GP OUT 12 (12V)	white	
MX3-18	LAMBDA SENSOR 2 RCAL	black	
MX3-19	LAMBDA SENSOR 2 IP	white	
MX3-20	12V LAMBDA SENSOR 2 (H+)	red	
MX3-21	PULSE 5+	-	
MX3-22	PULSE 5-	brown	
MX3-23	PULSE 5 SHIELD	-	
MX3-24	CAN2 L	white	
MX3-25	CAN2 H	grey	
MX3-26	PULSE 6+	-	
MX3-27	PULSE 6-	-	
MX3-28	PULSE 6 SHIELD	-	
MX3-29	INJECTOR 7	grey	
MX3-30	INJECTOR 8	grey	
MX3-31	Not used	-	
MX3-32	Not used	-	
MX3-33	Not used	-	
MX3-34	Not used	-	

Where this comes from

MaxxECU's GEN2 pinout table (online manual)

MaxxECU GEN2 Pinout (maxxecu.com online manual)

MaxxECU GEN2 TRACK quick guide and wiring (REV2)

MaxxECU GEN2 TRACK quickguide and wiring (REV2)

MaxxECU GEN2 RACE quick guide and wiring (REV2)

MaxxECU GEN2 RACE quickguide and wiring (REV2)

MaxxECU GEN2 RACE quick guide and wiring (first edition)

MaxxECU GEN2 RACE quickguide and wiring (first edition)