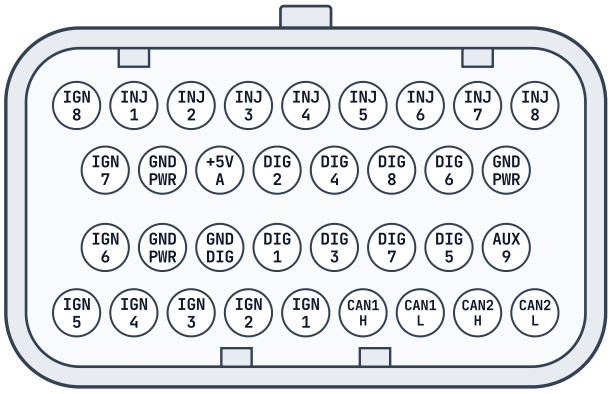
ECUMaster EMU PRO 8 pinout

ecurecovery.com/pinouts/ecumaster/emu-pro-8 · Every pin checked against 2 ECUMaster documents · data checked 2026-11-01

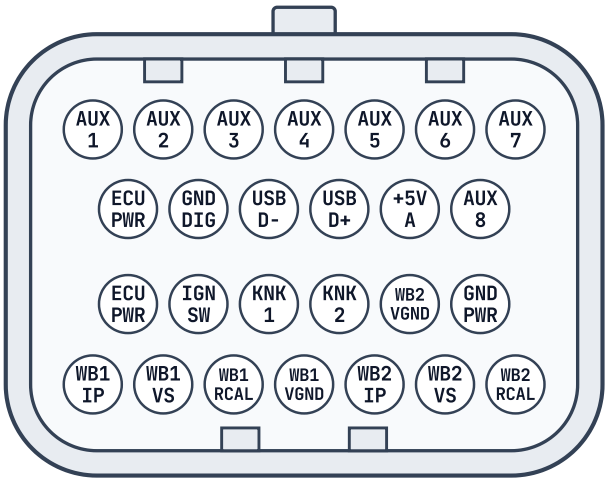
Connector A · 34-pin

CAVITY NUMBERS AS TE CONNECTIVITY, THE PLUG'S MAKER, DRAWS THEM



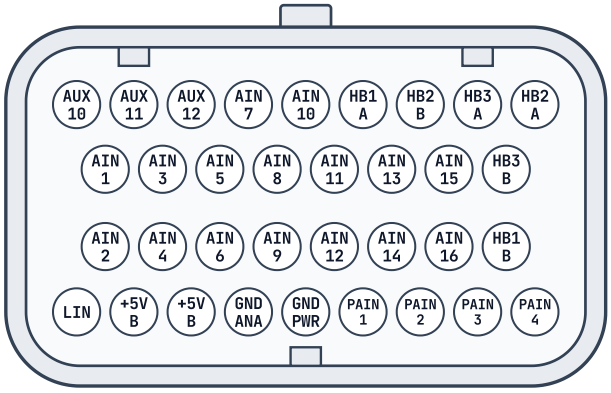
Connector B · 26-pin

CAVITY NUMBERS AS TE CONNECTIVITY DRAWS THEM; KEYS AS IN HALTECH'S DRAWING OF THE SAME KEYING 3 PLUG



Connector C · 34-pin

CAVITY NUMBERS AS TE CONNECTIVITY, THE PLUG'S MAKER, DRAWS THEM



ECUMaster EMU PRO 8 connector A pinout (34-pin)

Mating connector: TE AMP Superseal 1.0 4-1437290-1

Pin	Function	ECUMaster note
A1	Ignition 8	Output for active or passive ignition coils.
A2	Injector 1	Output for high or low impedance injectors.
A3	Injector 2	Output for high or low impedance injectors.
A4	Injector 3	Output for high or low impedance injectors.
A5	Injector 4	Output for high or low impedance injectors.
A6	Injector 5	Output for high or low impedance injectors.
A7	Injector 6	Output for high or low impedance injectors.
A8	Injector 7	Output for high or low impedance injectors.
A9	Injector 8	Output for high or low impedance injectors.
A10	Ignition 7	Output for active or passive ignition coils.
A11	Power GND	Power ground.

Pin	Function	ECUMaster note
A12	+5V source A	+5V sensor supply, source A.
A13	Digital 2	Digital signal input.
A14	Digital 4	Digital signal input.
A15	Digital 8	Digital signal input.
A16	Digital 6 (turbo)	Digital signal input, can be used for turboshaft speed sensor.
A17	Power GND	Power ground.
A18	Ignition 6	Output for active or passive ignition coils.
A19	Power GND	Power ground.
A20	Digital GND	Digital ground.
A21	Digital 1 (crank)	Digital signal input, dedicated crankshaft sensor input.
A22	Digital 3	Digital signal input.
A23	Digital 7	Digital signal input.
A24	Digital 5 (turbo)	Digital signal input, can be used for turboshaft speed sensor.
A25	Auxiliary 9	Output for auxiliary devices.
A26	Ignition 5	Output for active or passive ignition coils.
A27	Ignition 4	Output for active or passive ignition coils.
A28	Ignition 3	Output for active or passive ignition coils.
A29	Ignition 2	Output for active or passive ignition coils.
A30	Ignition 1	Output for active or passive ignition coils.
A31	CAN 1 high (PC comm)	CAN bus, fixed 1Mbps, used for communication with PC and peripheral devices.
A32	CAN 1 low (PC comm)	CAN bus, fixed 1Mbps, used for communication with PC and peripheral devices.
A33	CAN 2 high	CAN bus, configurable speed, used for communication with peripheral devices.
A34	CAN 2 low	CAN bus, configurable speed, used for communication with peripheral devices.

ECUMaster EMU PRO 8 connector B pinout (26-pin)

Mating connector: TE AMP Superseal 1.0 1473416-1

Pin	Function	ECUMaster note
B1	Auxiliary 1 (WBO heater)	Output for auxiliary devices, can be used as a WBO heater.
B2	Auxiliary 2 (WBO heater)	Output for auxiliary devices, can be used as a WBO heater.
B3	Auxiliary 3 (WBO heater)	Output for auxiliary devices, can be used as a WBO heater.
B4	Auxiliary 4 (WBO heater)	Output for auxiliary devices, can be used as a WBO heater.
B5	Auxiliary 5	Output for auxiliary devices.
B6	Auxiliary 6	Output for auxiliary devices.
B7	Auxiliary 7	Output for auxiliary devices.
B8	+12V supply	Power supply for the ECU and H-bridges.
B9	Digital GND (flash drive)	Digital ground, recommended for flash drive connection.
B10	USB D- (flash drive)	USB data pin for a flash drive, data logging.
B11	USB D+ (flash drive)	USB data pin for a flash drive, data logging.
B12	+5V source A (flash drive)	+5V sensor supply, source A, recommended for flash drive connection.
B13	Auxiliary 8	Output for auxiliary devices.
B14	+12V supply	Power supply for the ECU and H-bridges.
B15	+12V switched	+12V input to switch the ECU on or off.
B16	Knock sensor 1	Knock sensor input.
B17	Knock sensor 2	Knock sensor input.
B18	WBO 2 VGND (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 2 (IPN / VM).
B19	Power GND	Power ground.
B20	WBO 1 IP (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 1 (APE / IP).
B21	WBO 1 VS (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 6 (UN / RE).
B22	WBO 1 RCAL (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 5 (RT / IA).
B23	WBO 1 VGND (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 2 (IPN / VM).

Pin	Function	ECUMaster note
B24	WBO 2 IP (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 1 (APE / IP).
B25	WBO 2 VS (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 6 (UN / RE).
B26	WBO 2 RCAL (LSU 4.9)	Wideband oxygen sensor input, LSU 4.9 Pin 5 (RT / IA).

ECUMaster EMU PRO 8 connector C pinout (34-pin)

Mating connector: TE AMP Superseal 1.0 4-1437290-0

Pin	Function	ECUMaster note
C1	Auxiliary 10	Output for auxiliary devices.
C2	Auxiliary 11	Output for auxiliary devices.
C3	Auxiliary 12	Output for auxiliary devices.
C4	Analog 7	Analog signal input.
C5	Analog 10 (2k2 pull)	Analog signal input.
C6	H-bridge 1A	H-bridge output.
C7	H-bridge 2B	H-bridge output.
C8	H-bridge 3A	H-bridge output.
C9	H-bridge 2A	H-bridge output.
C10	Analog 1 (MAP)	Analog signal input, dedicated MAP sensor input.
C11	Analog 3	Analog signal input.
C12	Analog 5	Analog signal input.
C13	Analog 8	Analog signal input.
C14	Analog 11 (2k2 pull)	Analog signal input.
C15	Analog 13 (1k pull)	Analog signal input.
C16	Analog 15 (330R pull)	Analog signal input.
C17	H-bridge 3B	H-bridge output.
C18	Analog 2	Analog signal input.
C19	Analog 4	Analog signal input.
C20	Analog 6	Analog signal input.
C21	Analog 9 (2k2 pull)	Analog signal input.
C22	Analog 12 (2k2 pull)	Analog signal input.
C23	Analog 14 (1k pull)	Analog signal input.
C24	Analog 16 (100R pull)	Analog signal input.
C25	H-bridge 1B	H-bridge output.
C26	LIN	LIN network.
C27	+5V source B	+5V sensor supply, source B.
C28	+5V source B	+5V sensor supply, source B.
C29	Analog GND	Analog ground.
C30	Power GND	Power ground.
C31	Precision analog 1	High precision analog input.
C32	Precision analog 2	High precision analog input.
C33	Precision analog 3	High precision analog input.
C34	Precision analog 4	High precision analog input.

Where this comes from

ECUMaster pinout for this ECU

EMU PRO 8 Pinout v1.0

ECUMaster compact pinout sheet (mini)

EMU PRO 8 Pinout (mini) v1.0

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

TE Connectivity customer drawing C-2-1437285-3, Superseal 1.0 34/26-position plug housings (copy hosted by Corsa Technic)