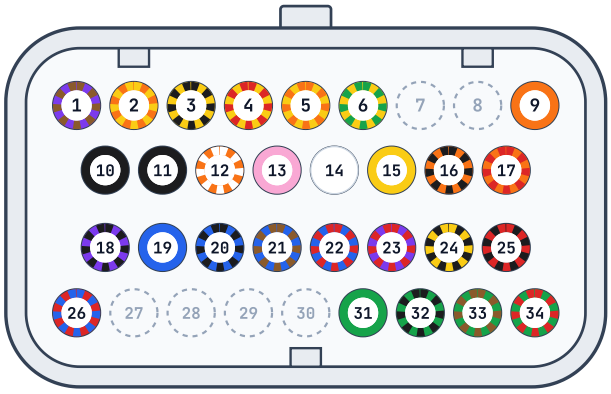
Haltech Elite 1000 pinout

ecurecovery.com/pinouts/haltech/elite-1000 · Every pin checked against 2 Haltech documents · data checked 2026-11-01

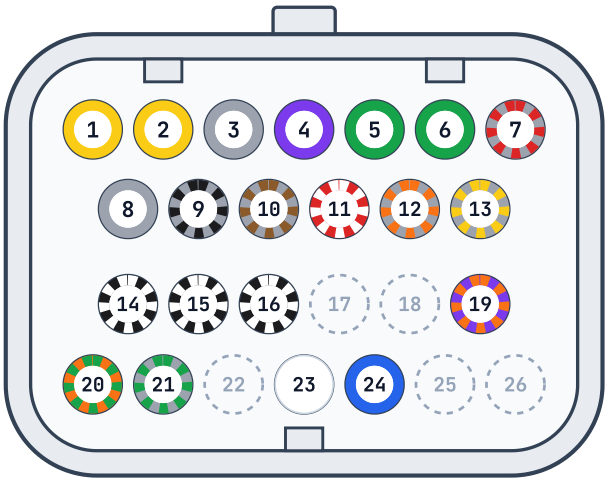
Connector A · 34-pin

LOOKING INTO THE CONNECTOR ON THE ECU



Connector B · 26-pin

LOOKING INTO THE CONNECTOR ON THE ECU



Haltech Elite 1000 connector A pinout (34-pin)

Pin	Function	Wire	Haltech note
A1	DPO 2	V/BR Violet with brown stripe	1A Max Current output to ground, Fixed 5v Pull-up
A2	AVI 4	O/Y Orange with yellow stripe	0-5v signal input, switchable 1K pull up
A3	IGN 1	Y/B Yellow with black stripe	1A Max Current
A4	IGN 2	Y/R Yellow with red stripe	1A Max Current
A5	IGN 3	Y/O Yellow with orange stripe	1A Max Current
A6	IGN 4	Y/G Yellow with green stripe	1A Max Current
A7	Not used	-	
A8	Not used	-	
A9	+5V DC	O Orange	100mA Max Current
A10	BATTERY GROUND	B Black	Connect to Vehicle Battery Negative Terminal (-)
A11	BATTERY GROUND	B Black	Connect to Vehicle Battery Negative Terminal (-)
A12	+8V DC	O/W Orange with white stripe	100mA Max Current
A13	12V IGNITION INPUT	P Pink	12V on IGN and Cranking Only
A14	AVI 10 (TPS)	W White	0-5v signal input, Software Switchable 1K pull up resistor
A15	AVI 9 (MAP)	Y Yellow	0-5v signal input, Software Switchable 1K pull up resistor
A16	AVI 2	O/B Orange with black stripe	0-5v signal input, Software Switchable 1K pull up resistor
A17	AVI 3	O/R Orange with red stripe	0-5v signal input, Software Switchable 1K pull up resistor
A18	DPO 1	V/B Violet with black stripe	1A Max Current output to ground, User definable pull-up
A19	INJ 1	L Blue	Current Controlled , 0-8A Peak , 0 - 2A Hold
A20	INJ 2	L/B Blue with black stripe	Current Controlled , 0-8A Peak , 0 - 2A Hold
A21	INJ 3	L/BR Blue with brown stripe	Current Controlled , 0-8A Peak , 0 - 2A Hold

Pin	Function	Wire	Haltech note
A22	INJ 4	L/R Blue with red stripe	Current Controlled , 0-8A Peak , 0 - 2A Hold
A23	DPO 3	V/R Violet with red stripe	1A Max Current output to ground, Fixed 12v Pull-up
A24	DPO 5 (FUEL PUMP TRIGGER)	B/Y Black with yellow stripe	1A Max Current output to ground, Fixed 12v Pull-up
A25	DPO 6 (ECR OUT)	B/R Black with red stripe	1A Max Current output to ground, Fixed 12v Pull-up
A26	ECU INJECTOR POWER INPUT (REQUIRED CONNECTION FOR ECU TO OPERATE)	R/L Red with blue stripe	12V input from injector power relay
A27	Not used	-	
A28	Not used	-	
A29	Not used	-	
A30	Not used	-	
A31	STEPPER 1 P1 / DPO	G Green	Hi / Lo Side Driver, 1A Max Current Source & Sink
A32	STEPPER 1 P2 / DPO	G/B Green with black stripe	Hi / Lo Side Driver, 1A Max Current Source & Sink
A33	STEPPER 1 P3 / DPO	G/BR Green with brown stripe	Hi / Lo Side Driver, 1A Max Current Source & Sink
A34	STEPPER 1 P4 / DPO	G/R Green with red stripe	Hi / Lo Side Driver, 1A Max Current Source & Sink

Haltech Elite 1000 connector B pinout (26-pin)

Pin	Function	Wire	Haltech note
B1	CRANK (TRIGGER) (+)	Y Yellow Shielded	Supports Digital and Reluctor Based Sensors
B2	CAM (HOME) (+)	Y Yellow Shielded	Supports Digital and Reluctor Based Sensors
B3	AVI 7 (AIR TEMP)	GY Grey	0-5v signal input, Software Switchable 1K pull up resistor
B4	AVI 8 (COOLANT TEMP)	V Violet	0-5v signal input, Software Switchable 1K pull up resistor
B5	CRANK (TRIGGER) (-)	G Green Shielded	Ground Reference for Reluctor Based Sensors
B6	CAM (HOME) (-)	G Green Shielded	Ground Reference for Reluctor Based Sensors
B7	SPI 4	GY/R Grey with red stripe Shielded	50Khz Max Frequency , 25V DC Max Input Voltage
B8	SPI 1	GY Grey Shielded	50Khz Max Frequency , 25V DC Max Input Voltage
B9	SPI 2	GY/B Grey with black stripe Shielded	50Khz Max Frequency , 25V DC Max Input Voltage
B10	SPI 3	GY/BR Grey with brown stripe Shielded	50Khz Max Frequency , 25V DC Max Input Voltage
B11	+13.8V ECU SUPPLY (ECU POWER)	R/W Red with white stripe	12V Input to ECU
B12	AVI 6 (O2 INPUT 1)	GY/O Grey with orange stripe Shielded	0-5v signal input. Compatible with Narrow Band O2 Sensors
B13	AVI 1 (O2 INPUT 2)	GY/Y Grey with yellow stripe Shielded	0-5v signal input. Compatible with Narrow Band O2 Sensors
B14	SIGNAL GROUND	B/W Black with white stripe	Sensor ground reference for sensors
B15	SIGNAL GROUND	B/W Black with white stripe	Sensor ground reference for sensors
B16	SIGNAL GROUND	B/W Black with white stripe	Sensor ground reference for sensors
B17	Not used	-	
B18	Not used	-	

Pin	Function	Wire	Haltech note
B19	DPO 4	V/O Violet with orange stripe	1A Max Current output to ground, Fixed 12v Pull-up
B20	AVI 5	O/G Orange with green stripe	0-5v signal input, Software Switchable 1K pull up resistor
B21	KNOCK 1	GY/G Grey with green stripe	Supports Piezoelectric knock sensors
B22	Not used	-	
B23	CAN H	W White	CAN Hi
B24	CAN L	L Blue	CAN Lo
B25	Not used	-	
B26	Not used	-	

Where this comes from

Haltech pinout table (support site)

Elite 1000 Main Connector Pinout - 34 Pin

Elite 1000 Main Connector Pinout - 26 Pin

Haltech wiring diagram

Elite 1000 Wiring Diagram (Haltech; drawn on the Elite 1500 Premium harness HT-140904) - read by eye from blind contact sheets

Haltech wire colour codes

B = Black · BR = Brown · G = Green · GY = Grey · L = Blue · O = Orange · P = Pink

R = Red · V = Violet · Y = Yellow · W = White

Two letters: the first is the wire colour, the second is the stripe.