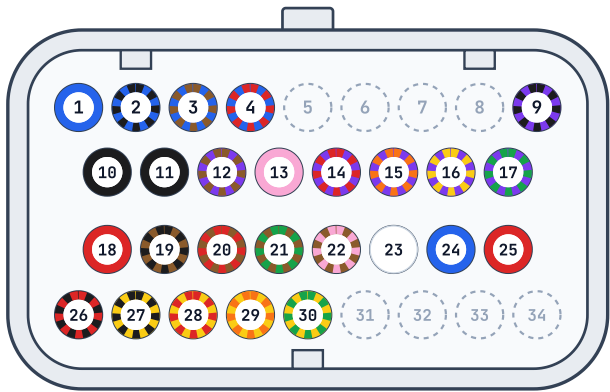


Haltech Nexus S2 pinout

ecurecovery.com/pinouts/haltech/nexus-s2 · Every pin checked against 2 Haltech documents · data checked 2026-11-01

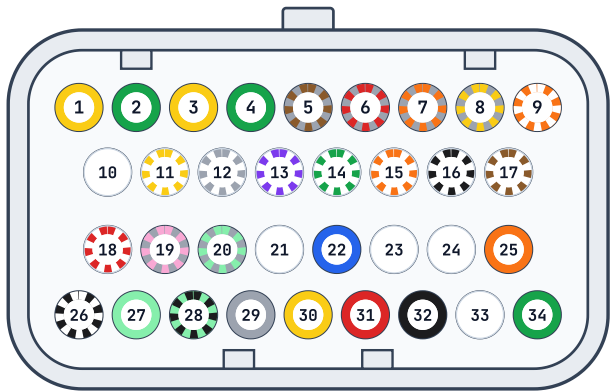
Connector A · 34-pin

LOOKING INTO THE CONNECTOR ON THE ECU



Connector C · 34-pin

LOOKING INTO THE CONNECTOR ON THE ECU



Haltech Nexus S2 connector A pinout (34-pin)

Pin	Function	Wire
A1	Injector 1	L Blue
A2	Injector 2	L/B Blue with black stripe
A3	Injector 3	L/BR Blue with brown stripe
A4	Injector 4	L/R Blue with red stripe
A5	Not used	-
A6	Not used	-
A7	Not used	-
A8	Not used	-
A9	DPO 1	V/B Violet with black stripe
A10	Battery Ground input	B Black
A11	Battery Ground input	B Black
A12	DPO 2	V/BR Violet with brown stripe
A13	Ignition Switch input	P Pink
A14	DPO 3	V/R Violet with red stripe
A15	DPO 4	V/O Violet with orange stripe
A16	DPO 5	V/Y Violet with yellow stripe
A17	DPO 6	V/G Violet with green stripe
A18	+12V switched input	R Red
A19	HBO 1	BR/B Brown with black stripe
A20	HBO 2	BR/R Brown with red stripe
A21	HBO 3	BR/G Brown with green stripe
A22	HBO 4	BR/P Brown with pink stripe
A23	CAN 1 H	W White
A24	CAN 1 L	L Blue
A25	+12V switched input	R Red
A26	ECR output	B/R Black with red stripe
A27	Ignition 1	Y/B Yellow with black stripe
A28	Ignition 2	Y/R Yellow with red stripe
A29	Ignition 3	Y/O Yellow with orange stripe
A30	Ignition 4	Y/G Yellow with green stripe
A31	Not used	-
A32	Not used	-

Pin	Function	Wire
A33	Not used	-
A34	Not used	-

Haltech Nexus S2 connector C pinout (34-pin)

Pin	Function	Wire
C1	Trigger +	 Y Yellow
C2	Trigger -	 G Green
C3	Home +	 Y Yellow
C4	Home -	 G Green
C5	SPI 1	 GY/BR Grey with brown stripe
C6	SPI 2	 GY/R Grey with red stripe
C7	SPI 3	 GY/O Grey with orange stripe
C8	SPI 4	 GY/Y Grey with yellow stripe
C9	+8V sensor power	 O/W Orange with white stripe
C10	AVI 1	 W White
C11	AVI 2	 W/Y White with yellow stripe
C12	AVI 3	 W/GY White with grey stripe
C13	AVI 4	 W/V White with violet stripe
C14	AVI 5	 W/G White with green stripe
C15	AVI 6	 W/O White with orange stripe
C16	AVI 7	 W/B White with black stripe
C17	AVI 8	 W/BR White with brown stripe
C18	AVI 9	 W/R White with red stripe
C19	SPI 5	 GY/P Grey with pink stripe
C20	SPI 6	 GY/LG Grey with light green stripe
C21	CAN 2 H	 W White
C22	CAN 2 L	 L Blue
C23	Knock 1	 W White
C24	Knock 2	 W White
C25	+5V sensor power	 O Orange
C26	Signal ground	 B/W Black with white stripe
C27	AVI 10	 LG Light green
C28	AVI 11	 LG/B Light green with black stripe
C29	WBI 1 Heater +	 GY Grey
C30	WBI 1 Input	 Y Yellow
C31	WBI 1 Pump	 R Red
C32	WBI 1 Nernst	 B Black
C33	WBI 1 Heater -	 W White
C34	WBI 1 Cal	 G Green

Where this comes from

Haltech harness quick start guide

[Nexus S3/S2 Universal Wire-in Harness, Quick Start Guide \(Haltech HT-182200; copy hosted by Demon Tweeks\)](#)

Haltech wiring diagram

[Nexus S3 / Nexus S2 Universal Wire-in Harness diagram \(Haltech, document revision 1.1\)](#)

[Nexus S3 / S2 Universal Wire-in Harness diagram \(Haltech, rev 1.1\) - rows read from the drawing](#)

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 ● LG = Light green

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