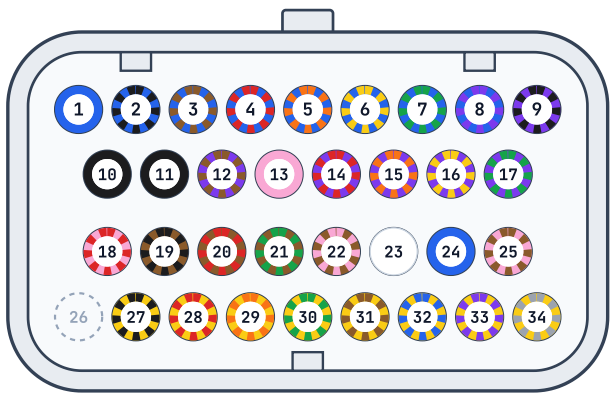


Haltech Nexus Rebel LS pinout

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

Connector A · 34-pin

AS DRAWN IN HALTECH'S HARNESS GUIDE (IT DOES NOT SAY FROM WHICH SIDE)



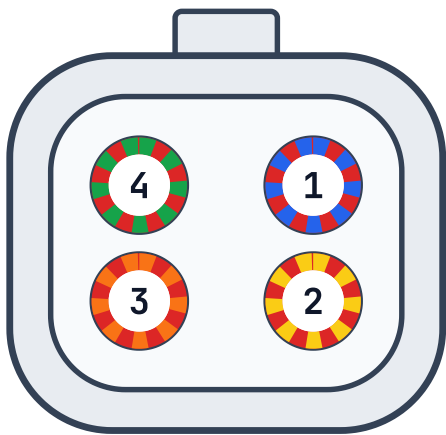
Connector C · 34-pin

AS DRAWN IN HALTECH'S HARNESS GUIDE (IT DOES NOT SAY FROM WHICH SIDE)



Connector E · 4-pin

AS DRAWN IN HALTECH'S HARNESS GUIDE (IT DOES NOT SAY FROM WHICH SIDE)



Haltech Nexus Rebel LS 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	Injector 5	 L/O Blue with orange stripe
A6	Injector 6	 L/Y Blue with yellow stripe
A7	Injector 7	 L/G Blue with green stripe
A8	Injector 8	 L/V Blue with violet stripe
A9	Outputs / DPO 1	 V/B Violet with black stripe
A10	Power ground output	 B Black
A11	Power ground output	 B Black
A12	Outputs / DPO 2	 V/BR Violet with brown stripe
A13	Ignition switch input	 P Pink
A14	Outputs / DPO 3	 V/R Violet with red stripe

Pin	Function	Wire
A15	Outputs / DPO 4	 V/O Violet with orange stripe
A16	Outputs / DPO 5	 V/Y Violet with yellow stripe
A17	Tacho output	 V/G Violet with green stripe
A18	Transmission supply	 P/R Pink with red stripe
A19	Throttle / IAC 1	 BR/B Brown with black stripe
A20	Throttle / IAC 2	 BR/R Brown with red stripe
A21	Throttle / IAC 3	 BR/G Brown with green stripe
A22	Throttle / IAC 4	 BR/P Brown with pink stripe
A23	CAN High	 W White
A24	CAN Low	 L Blue
A25	CAN supply	 P/BR Pink with brown stripe
A26	Not used	-
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	Ignition 5	 Y/BR Yellow with brown stripe
A32	Ignition 6	 Y/L Yellow with blue stripe
A33	Ignition 7	 Y/V Yellow with violet stripe
A34	Ignition 8	 Y/GY Yellow with grey stripe

Haltech Nexus Rebel LS connector C pinout (34-pin)

Pin	Function	Wire
C1	Crank	 Y Yellow
C2	Not used	-
C3	Cam	 Y Yellow
C4	Not used	-
C5	Inputs / SPI 1	 GY/BR Grey with brown stripe
C6	Inputs / SPI 2	 GY/R Grey with red stripe
C7	Inputs / SPI 3	 GY/O Grey with orange stripe
C8	Inputs / SPI 4	 GY/Y Grey with yellow stripe
C9	Crank / Cam supply	 O/W Orange with white stripe
C10	Inputs / AVI 1	 W White
C11	Inputs / AVI 2	 W/Y White with yellow stripe
C12	Fuel pressure	 W/GY White with grey stripe
C13	Oil pressure	 W/V White with violet stripe
C14	MAP	 W/G White with green stripe
C15	Throttle TPS 1	 W/O White with orange stripe
C16	Throttle TPS 2	 W/B White with black stripe
C17	APP 1	 W/BR White with brown stripe
C18	APP 2	 W/R White with red stripe
C19	Transmission	 GY/P Grey with pink stripe
C20	Transmission / VSS	 GY/LG Grey with light green stripe
C21	Not used	-
C22	Not used	-
C23	Knock odd	 B/L Black with blue stripe
C24	Knock even	 B/G Black with green stripe
C25	+5V sensor supply	 O Orange
C26	Sensor ground	 B/W Black with white stripe
C27	Coolant temperature	 LG Light green

Pin	Function	Wire
C28	Air temperature	 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

Haltech Nexus Rebel LS connector E pinout (4-pin)

Pin	Function	Wire
E1	AX25+ (Auxiliary 25A)	 R/L Red with blue stripe
E2	Fuel pump	 R/Y Red with yellow stripe
E3	Fan	 R/O Red with orange stripe
E4	Injector / Ignition supply	 R/G Red with green stripe

Where this comes from

Haltech pinout table (support site)

[Nexus Rebel LS](#)

Haltech harness quick start guide

[Nexus Rebel LS Main Terminated Harness \(HT-186500\) Quick Start Guide, harness pinout diagram \(Haltech; copy hosted by Billy's Speed Shop\)](#)

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.