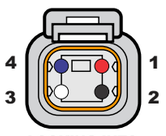
HALTECH uC-10 DISPLAY DASH - WIRING DIAGRAM

34 PIN CONNECTOR

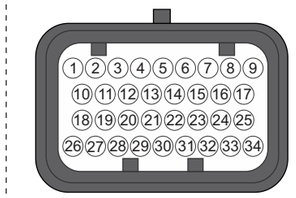
CAN CONNECTOR
- +12V POWER AND GROUND INPUT TO THE DASH
- CONNECTS TO HALTECH ECU CAN SYSTEM
- SUPPORTS A NUMBER OF THIRD-PARTY ECU CAN PROTOCOLS
- SUPPORTS CAN OBD-II

3 +12V SWITCHED OR CAN POWER — [R] — 1
1 CAN 1 HIGH — [W] — 3
2 CAN 1 LOW — [L] — 4
4 BATTERY OR CAN GROUND — [B] — 2

DTM04-4P



LOOKING INTO CONNECTOR

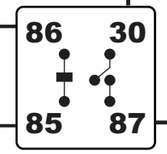


LOOKING INTO 34 PIN CONNECTOR ON HALTECH uC-10

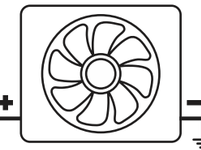
+12V OUTPUT
FOR 12V SENSORS OR LOW CURRENT DEVICES

12 +12V OUTPUT

FUSE — BATTERY +12V



RELAY



EXAMPLE LOAD (FAN) — GROUND

EXAMPLE DPO CONTROL APPLICATION

DPO
- 4 X DIGITAL PULSED OUTPUTS
- USER-DEFINABLE OUTPUTS THAT CAN BE ALLOCATED TO AVAILABLE FUNCTIONS IN THE SOFTWARE
- LOW SIDE DRIVE
- 3A MAX CURRENT
- INDIVIDUAL SOFTWARE SELECTABLE 4.7K PULL-UP

26 DPO 1
27 DPO 2
28 DPO 3
29 DPO 4

SPI
- 4 X USER-DEFINABLE CHANNELS
- SUPPORTS DIGITAL AND RELUCTOR INPUTS
- FREQUENCY, DUTY CYCLE, OR SWITCHED INPUTS
- 0-5V FOR ANALOG VOLTAGE SENSORS
- SPI 4 SOFTWARE DEFAULT FOR BUTTON INPUT

33 SPI 1
32 SPI 2
31 SPI 3

VEHICLE SPEED SENSOR - HALL EFFECT

RELUCTOR VSS
ANY SPI
ALTERNATIVE SENSOR WIRING

9 CAMERA GROUND
8 CAMERA INPUT
7 CAMERA +12V POWER

+5V SENSOR SUPPLY
- 200mA MAX OUTPUT CURRENT

5 +5V OUT

AVI
- 10 X ANALOG VOLTAGE INPUTS
- USER-DEFINABLE INPUTS THAT CAN BE ALLOCATED TO AVAILABLE FUNCTIONS IN THE SOFTWARE
- 0-5V FOR ANALOG VOLTAGE SENSORS
- 0V (GROUND) OR +12V FOR SWITCH INPUTS
- INDIVIDUAL SOFTWARE SELECTABLE 1K PULL-UP TO +5V FOR AVI 1-10

19 AVI 2
20 AVI 3
21 AVI 4

PRESSURE SENSOR
PRESSURE SENSOR
TEMPERATURE SENSOR

SIGNAL GROUND
- GROUND OUTPUT FOR SENSORS
- DO NOT CONNECT TO ENGINE, CHASSIS OR BATTERY GROUND

30 SIGNAL GROUND

AVI 1 (FUEL LEVEL)
- DEFAULT AVI FOR FUEL LEVEL
- DUAL PULL-UP (1000Ω/240Ω) SOFTWARE OPTION

18 AVI 1

FUEL LEVEL SENSOR

AVI 5 - 9
ASSIGNED TO LIGHT INPUTS / HANDBRAKE SWITCH IN THE SOFTWARE BY DEFAULT, BUT MAY BE REASSIGNED TO READ 0-5V SENSORS OR OTHER SWITCH FUNCTIONS.

AVI 7 — 24
AVI 8 — 25
AVI 9 — 17
AVI 5 — 22
AVI 6 — 23

+12V (WIRE CONTINUES AS PER FACTORY WIRING)
HANDBRAKE SWITCH
GROUND

+12V (WIRE CONTINUES AS PER FACTORY WIRING)
RIGHT TURN
LEFT TURN
PARK LIGHTS
HIGH BEAM
GROUND

SCREEN SCROLL — NEXT SCREEN
OR
ALARM CANCEL — PREVIOUS SCREEN

AVI 10 — 6
BUTTON GROUND — 13
SPI 4 — 15
BUTTON GROUND — 14

BUTTON 1 (GREEN)
BUTTON 2 (RED)

REMOTE MOUNTED DASH BUTTONS

ECU OR IGNITION MODULE WITH DIGITAL TACHO OUTPUT
0-12V SQUARE WAVE

TACHO INPUT
0-12V SQUARE WAVE OR IGNITION COIL NEGATIVE SIGNAL

TACHO INPUT — 34

+12V (WIRE CONTINUES AS PER FACTORY WIRING)
IGNITION COIL
IGNITION MODULE OR CONTACT POINT
IGNITION COIL NEGATIVE

ALTERNATIVE TACHO SIGNAL WIRING FROM IGNITION COIL NEGATIVE

ALTERNATOR EXCITE
CONNECT TO ALTERNATOR EXCITE PIN WHEN THE BATTERY WARNING LIGHT GETS REMOVED TOGETHER WITH THE FACTORY DASH / GAUGE CLUSTER.

ALTERNATOR EXCITE — 16

L
IG
+12V (WIRE CONTINUES AS PER FACTORY WIRING)
TO BATTERY

HALTECH uC-10 - WIRING DIAGRAM	
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DATE: JANUARY 2026	SHEET 1 OF 1