

## Datasheet

# Carrot C-32 ECU



The Carrot C-32 engine control unit manages gasoline engines up to 8 cylinders. An engine control unit is a device that determines the amount of fuel, the moment of ignition and the associated parameters that are required to run a combustion engine. With its compact design, the C-32 is highly suitable for applications with small available installation space. It can be used in the most rough environments due to its waterproof aluminium housing and solid connector construction.

### Application

5x Ignition outputs (non amplified)
Injector output (suitable for max. 8 injectors)
3x Auxiliary outputs (1A)
Tachometer output
Crank sensor input (hall or inductive)
Lambda control (used with Carrot UEGO controller)
Air temperature signal input (NTC 2.2kΩ)
Water temperature signal input (NTC 2.2kΩ)
Throttle position signal input
Manifold air pressure signal input
Oil pressure signal input

- Gasoline engines up to 8 cylinders
- Compact, aluminium waterproof housing
- 32-pin sealed automotive connector
- CAN-bus communication & programming

Gear position input

Variable launch RPM

Fuel pump relay control

Boost control

Launch control

Powershift control

Anti-Lag control

### Technical Specifications

Aluminium housing

Sealed automotive connector, 32 pins

Size 108mm x 116mm x 42mm (LxWxH)

Power supply: 9v to 16v

1x CAN communication bus

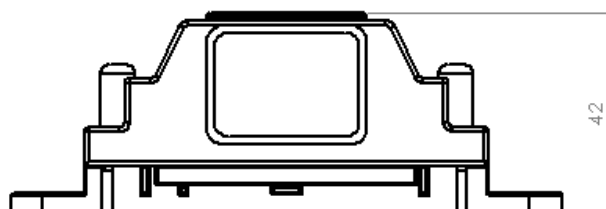
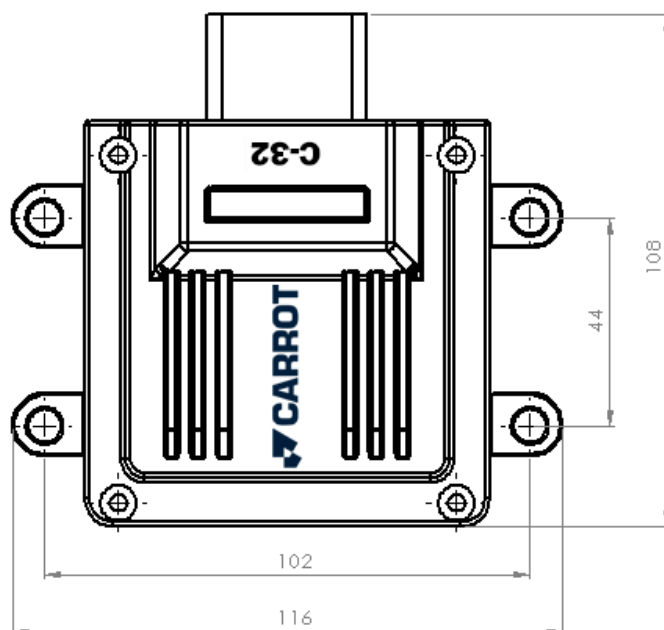
### Ordering information

<b>Carrot C-32 ECU - C-010-0001</b>	€550,-
<b>Carrot communication interface - C-020-0002</b>	€125,-
<b>Break-out loom C-32 ECU - C-060-0001</b>	€250,-
<b>Main connector Carrot C-32 ECU - C-050-0001</b>	€40,-

All prices are ex. VAT

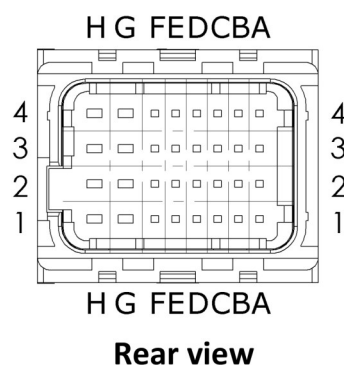
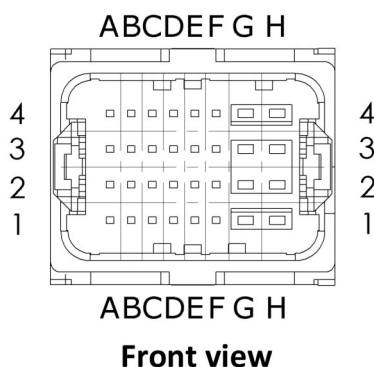
## Dimensions

## Carrot C-32 ECU



## Pinout

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Pin no.	Wire gauge mm2 (AWG)	Function
1A	0,35-0,5 (22-20)	Analog aux input
1B	0,35-0,5 (22-20)	5v hall sensor
1C	0,35-0,5 (22-20)	Crank-sensor signal (hall or inductive)
1D	0,35-0,5 (22-20)	Manifold air pressure signal
1E	0,35-0,5 (22-20)	Ignition output 3
1F	0,35-0,5 (22-20)	Ignition output 1
1G	0,5 (20)	Aux 3 out
1H	0,5 (20)	Aux 1 out
2A	0,35-0,5 (22-20)	Oil pressure signal
2B	0,35-0,5 (22-20)	Water temperature signal
2C	0,35-0,5 (22-20)	5v sensor supply
2D	0,35-0,5 (22-20)	Throttle position signal
2E	0,35-0,5 (22-20)	Ignition output 4
2F	0,35-0,5 (22-20)	Ignition output 2
2G	0,75 (18)	12v ECU supply
2H	0,5 (20)	Fuel pump relay
3A	0,35-0,5 (22-20)	Air temperature signal
3B	0,35-0,5 (22-20)	Launch control
3C	0,35-0,5 (22-20)	Powershift
3D	0,35-0,5 (22-20)	Lambda signal 1
3E	0,35-0,5 (22-20)	Ignition output 5
3F	0,35-0,5 (22-20)	Tacho output
3G	0,75 (18)	12v Injector supply
3H	0,75 (18)	Injector output
4A	0,35-0,5 (22-20)	CAN High
4B	0,35-0,5 (22-20)	CAN Low
4C	0,35-0,5 (22-20)	Sensor ground
4D	0,35-0,5 (22-20)	Sensor ground
4E	0,35-0,5 (22-20)	Boost control
4F	0,35-0,5 (22-20)	Aux 2 out
4G	0,5 (20)	Sensor ground
4H	0,75 (18)	Power ECU ground