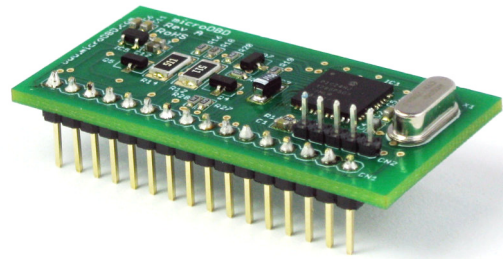


# microOBD



## Description

microOBD is a complete OBD-II interface in a 25mm x 50mm module. It is a quick and easy solution to add OBD support to your embedded project. microOBD communicates through the UART and uses an enhanced version of the ELM327 instruction set. Further documentation on the command set can be found in the STN1100 datasheet ([www.scantool.net](http://www.scantool.net)).

## Key features

- Supports all legislated OBD-II protocols
- Fully compatible with the ELM327 command set
- UART interface
- Bootloader for easy firmware upgrades
- Large memory buffer
- Extended “ST” command set for access to advanced functionality not available in the ELM327
- Solid automatic protocol detection algorithm connects to more vehicles reliably
- Smart keep-alive algorithm helps ensure a stable connection on ISO and KWP vehicles
- Dimensions: 25mm x 50mm

## Supported OBD Protocols

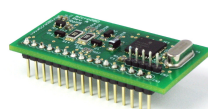
- J1850 PWM (41.6 kbps)
- J1850 VPW (10.4 kbps)
- ISO9141-2
- ISO14230-4 (KWP 2000)
- ISO15765-4 (CAN)
- ISO11898 (RAW CAN)

## Typical applications

- Academic projects
- Automotive diagnostic scan tools and code readers
- Digital dashboards
- Fleet management and tracking applications
- OBD data loggers



OBD

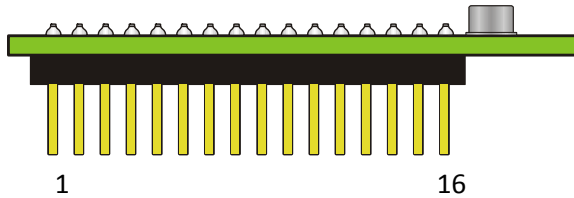


UART



Your  
device/circuit

## Pinout



PIN	Type	Description
1	P	+12V
2	P	+5V
3	I/O	K-Line
4	O	L-Line
5	I/O	J1850 Bus+
6	I/O	J1850 Bus-
7	P	Ground
8	O	UART Tx
9	I	UART Rx
10	I	RESET
11	O	OBD Tx Status
12	O	OBD Rx Status
13	O	UART Tx Status
14	O	UART Rx Status
15	I/O	CAN Low
16	I/O	CAN High

P – supply      O – output  
I – input      I/O – input/output

## Ordering Information

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