

# US BOARD ▶ USS 5

13. Apr 2023

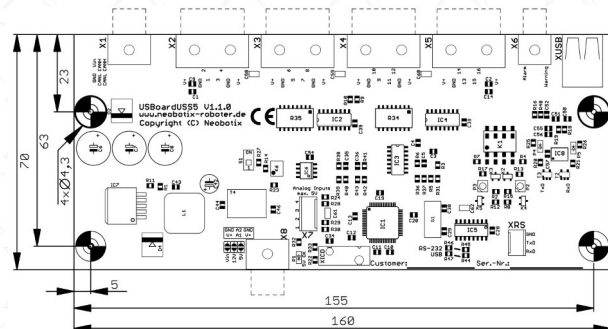
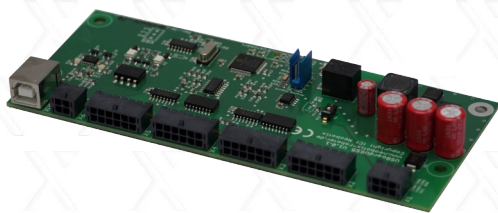
## DATA SHEET

The **USBoard-USS5** allows customers to add up to 16 ultrasonic sensors Bosch USS5 to their system. This provides autonomous robots or self driving vehicles with valuable additional information about their environment. The USS5 sensors can be placed wherever they are needed to fill gaps that cannot be covered by other sensors.

The measurements of all sensors are available via CAN or USB. Two solid state relay outputs indicate that an object was detected within the warning or alarm range.

Configuration of the **USBoard-USS5** is done by a powerful graphical user interface. For each sensor a warning and an alarm distance can be set individually. The data output can be adjusted with a large set of parameters to achieve best performance.

New features include a cross-echo mode and an optional housing. The **USBoard-USS5** also indicates missing or defective sensors and also sensors that are blocked by obstacles which are too near to be measured.



### ▶ SUPPORTED SENSORS

16 x Bosch ParkPilot USS5

### ▶ SUPPLY VOLTAGE

9 VDC – 60 VDC  
Max. 4 W

### ▶ COMMUNICATION

CAN, USB  
Option: RS-232

### ▶ CONFIGURATION

By graphical user interface (included)

### ▶ INPUTS

4 x analogue (0 V – 5 V)

### ▶ OUTPUTS

2 x solid state relays  
(Warning and alarm distance)

### ▶ MEASUREMENT

0.2 m up to 3.3 m  
Configurable warning and alarm distances

### ▶ SAFETY

The USBoard-USS5 is not a safety device