

# US BOARD ▶ USS4

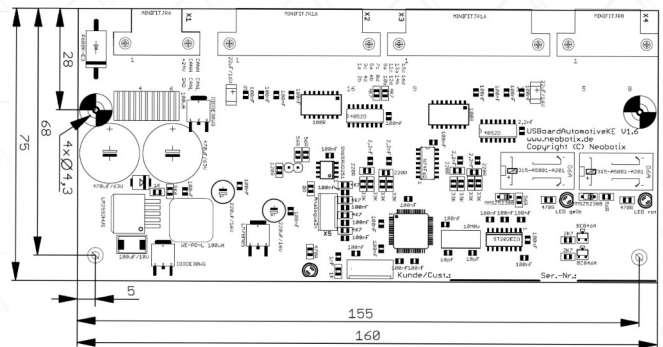
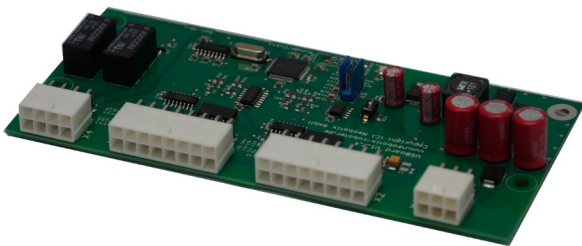
13. Apr 2023

## DATA SHEET

The **USBoard-USS4** allows customers to add up to 16 ultrasonic sensors to their system. This provides autonomous robots or self driving vehicles with valuable additional information about their environment. The 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 serial connection. Two relay outputs indicate that an

object was detected within the warning or alarm range.

Configuration of the **USBoard-USS4** is done by an intuitive graphical user interface. This Java GUI is platform independent and uses any RS232 connection (COM port) to connect to the **USBoard-USS4**. For each sensor a warning and an alarm distance can be set individually.



### ▶ SUPPORTED SENSORS

16 x Bosch ParkPilot USS4 / URF6 / URF7

### ▶ SUPPLY VOLTAGE

9 VDC – 60 VDC  
max. 5 W

### ▶ COMMUNICATION

CAN  
RS-232

### ▶ CONFIGURATION

By graphical user interface (included)

### ▶ INPUTS

4 x analogue (0 V – 5 V)

### ▶ OUTPUTS

2 x relays  
(Warning / alarm distance, changeover contacts)

### ▶ MEASUREMENT

0.15 m up to 1.5 m  
Configurable warning and alarm distances

### ▶ SAFETY APPROVED

The USBoard-USS4 is not a safety device