

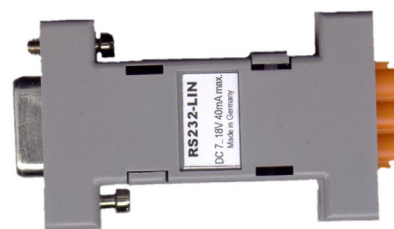
## 1 General

The RS232-LIN Converter can be used to connect a LIN Bus to a PC serial port.

With the appropriate tools (LIN Monitor) the LIN bus can be monitored with the PC, or the PC can simulate the master node or generate test messages for testing slave nodes.

It uses the Motorola (Freescale) MC33399 LIN transceiver as LIN physical interface.

Alternatively the Philips TJA1020 can be used as physical interface.



- 9-pin DSUB-Plug (female) to connect to PC serial port
- 3 pin LIN Plug compatible to Phoenix Combicon series (3 Pin) with 5,08 pitch
- Power supply via LIN connection (7..18V). This means no separate power supply needed
- Low cost and space saving assembly

## 2 Connectors and Pin Out

### 2.1 DSUB RS232 Connector

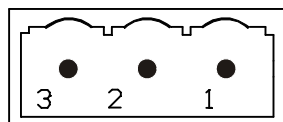
The 9pin DSUB connector is to be connected to the PC COM interface with a 1:1 (straight) cable.

### 2.2 X3 LIN Connector

Connector Type RIA 230 3 pin, RIA Order Number 31230103

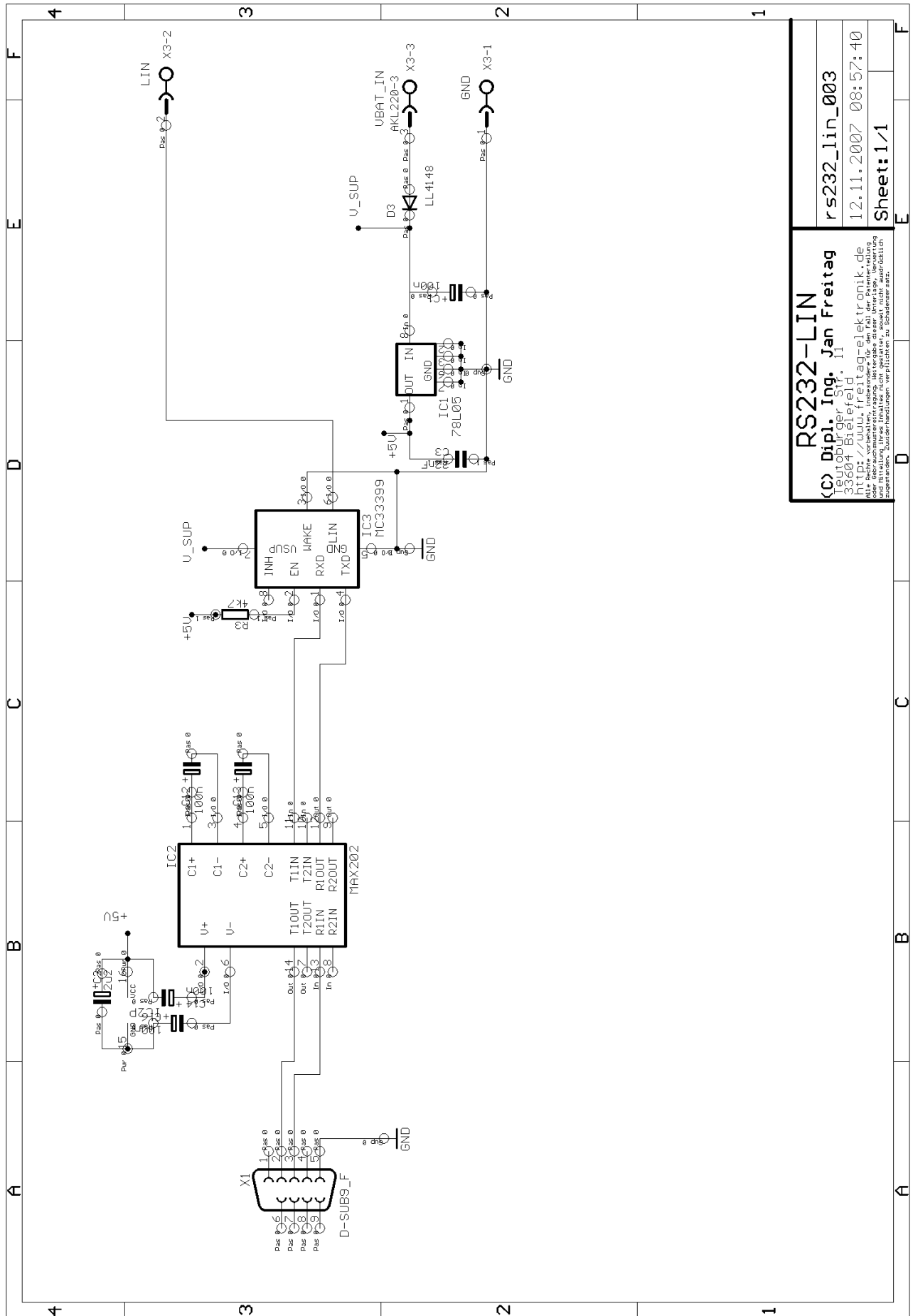
Needed Plug Type RIA 249 3 pin, RIA Order Number 31249103 or compatible. One Plug is shipped with each converter.

Pin #	3	2	1
Connect to	Supply plus 7..18V	LIN	GND



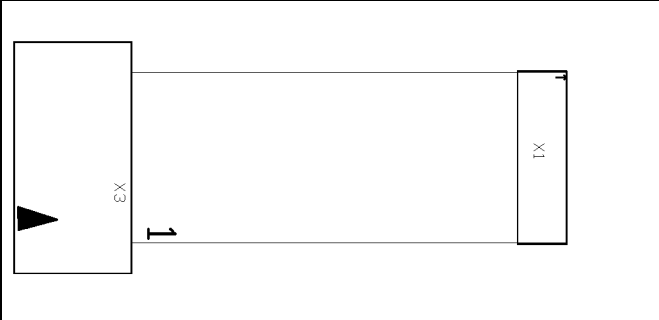
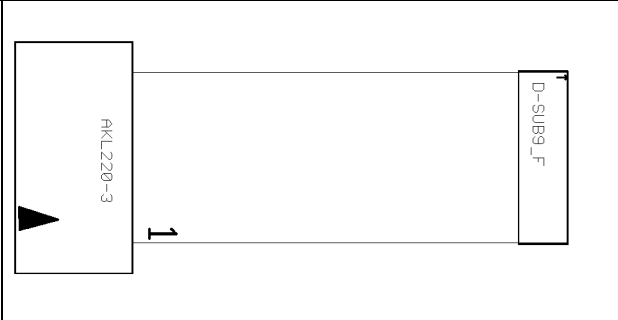
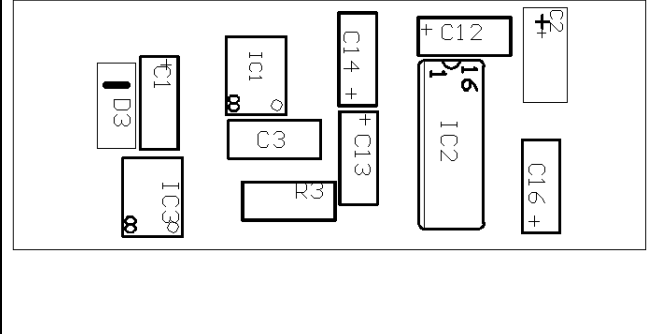
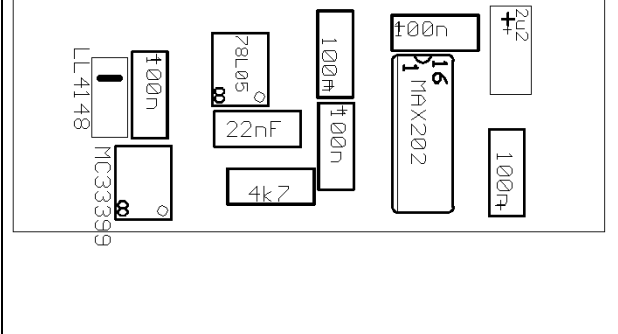
view from outside into male socket

### 3 Circuit Diagram



<b>RS232-LIN</b>	
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## 4 Placement Plan

	
<b>Top Side, Ref #</b>	<b>Top Side, Values</b>
	
<b>Bottom Side, Ref #</b>	<b>Bottom Side, Values</b>

## 5 Package Content

Basic device RS232-LIN

One Plug Type RIA 249 3 pin for LIN-Connection with screw terminals

This user documentation

1:1-RS232-Cabel 9pin (male-female) for RS232 connection to PC (1,8m long)

## 6 Contact

If you have questions about the product or application, please feel free to contact us.  
We are also grateful for hints regarding errors or ambiguous phrases in this document.

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