

QUICK GUIDE EE895 Evaluation Board

The EE895 Evaluation Board facilitates the testing of the EE895 Miniature Sensor Module for CO₂, temperature (T) and barometric pressure (p).

The spring loaded contact pins allow for easy connection of the EE895 Sensor Module.

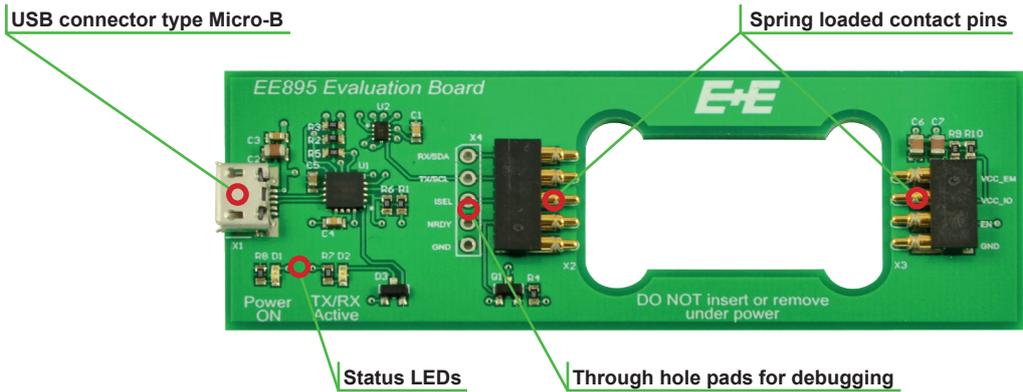
The EE895 Evaluation Board connects to a PC using its USB Micro-B port and a USB cable (included in the scope of supply).

The EE-SES Sensor Evaluation Software (free download from the [E+E download center](#) or from www.epluse.com/evaluation-sw) displays the serial number of the EE895 and the measured data in numerical and graphical form. The user can set the refresh rate for the graphs, the sampling rate of EE895 and the measurement units for temperature and pressure. Additionally, the measured data can be saved as .CSV file.

Please find the Evaluation Board's circuit diagram at the end of this document and further product specific documentation online at www.epluse.com/EE895.



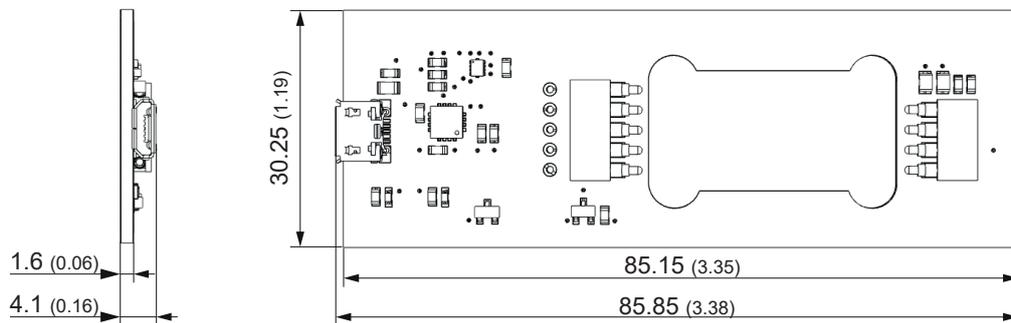
Features



EE-SES Sensor Evaluation Software



Dimensions in mm (inch)



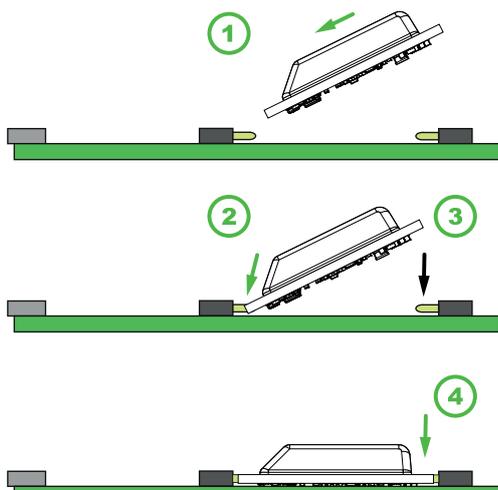
Ordering Guide

EE895 Evaluation Board¹⁾

HA011019

1) The EE895 Evaluation Board does not include any EE895 Sensor Module. This needs to be ordered separately, see the EE895 datasheet.

Quick User Guide



- Install the EE-SES Sensor Evaluation Software on your computer. The EE-SES is freely available in the download area of the [E+E download center](#) or from www.epluse.com/evaluation-sw.
- Connect the EE895 Sensor Module to the Evaluation Board by pressing the EE895 side plated contacts onto the spring loaded pins of the Evaluation Board. Observe the correct orientation of the EE895 Sensor Module: the number of side plated contacts (4 or 5) shall match the number of spring loaded pins.
- Connect the EE895 Evaluation Board to your computer using the USB cable supplied with the board.
- Start the EE-SES Sensor Evaluation Software. The actual CO₂, T and p measured data is presented as numbers and as graphs.
- If needed, use the data logger area at the bottom of the screen for logging the data in a .CSV file.



INFORMATION

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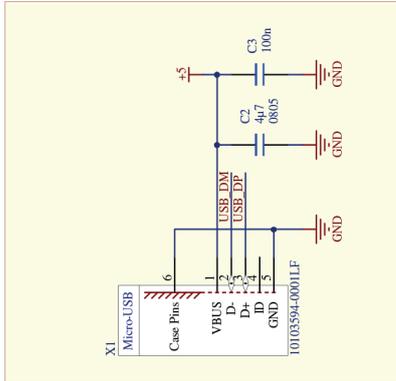
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Place of Jurisdiction: A-4020 Linz • DVR0962759

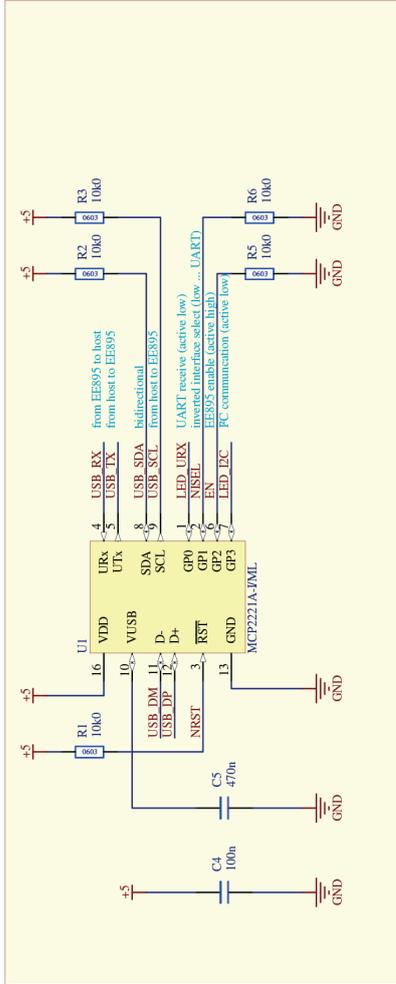


Evaluation Board Circuitry

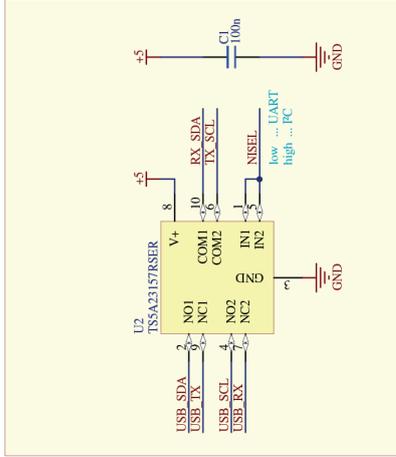
USB Connector



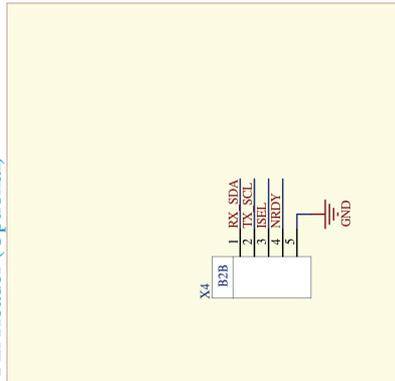
USB to UART/I2C Converter



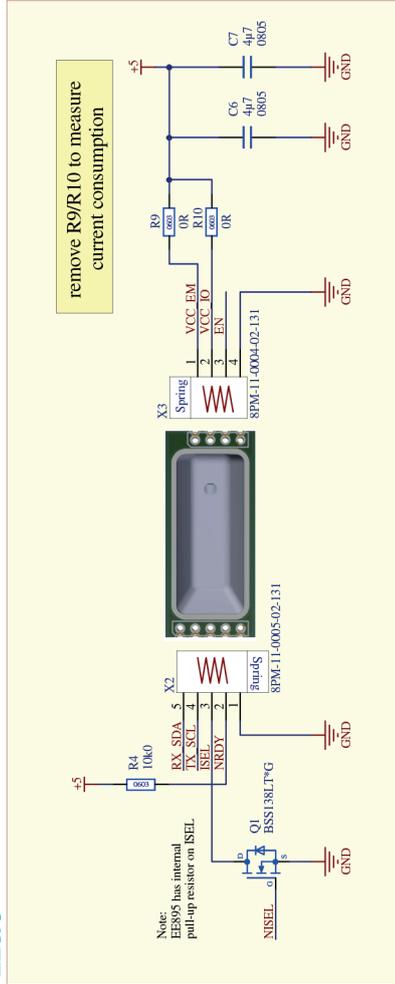
Interface Switch



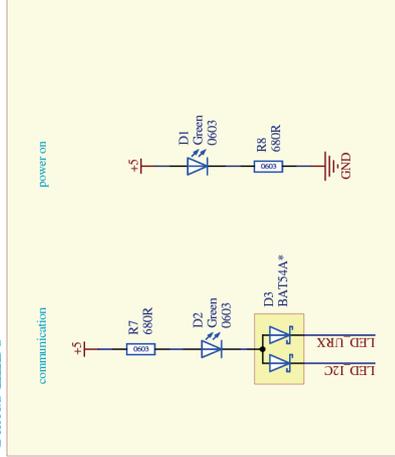
Pin Header (Optional)



EE895



Status LEDs



ISEL is used for interface selection

ISEL	interface	RX_SDA function	TX_SCL function
high	UART+MODBUS	RX	TX
low	PC+MODBUS	SDA	SCL

If not otherwise noted, resistors are $\pm 5\%$, ± 200 ppm
 If not otherwise noted, capacitors are ≥ 25 V, X7R, 0603