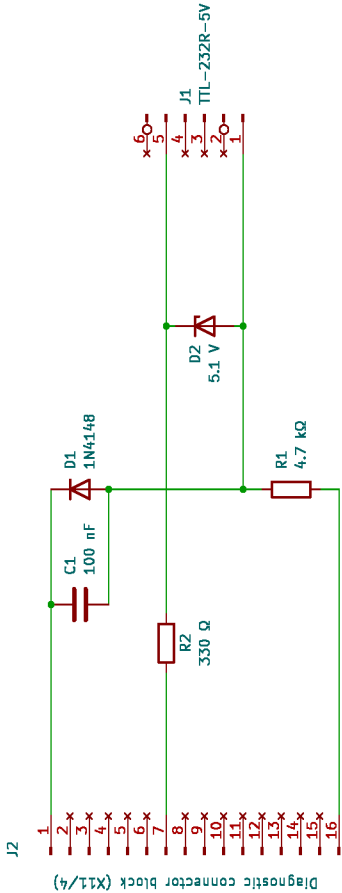


D1 and R1 are used to raise the TTL side signal ground 0.65 V above the vehicle chassis ground.
This ensures that the vehicle end 'space' signal level (0.8 V) is low enough for the UART to be reliably detected as a 0 (<1.0 V).



Designed for use with FTDI TTL-232R-5V USB serial cable.
Converts the 7.2 Vp-p (0.8 V / 8.0 V) serial output to TTL.

Sheet: /
File: mb124-ac-diag-levelconverter.kicad_sch

Title: Mercedes-Benz 124 A/C-to-TTL adapter

Size: A5 Date: 2023-07-16

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Rev: 2

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