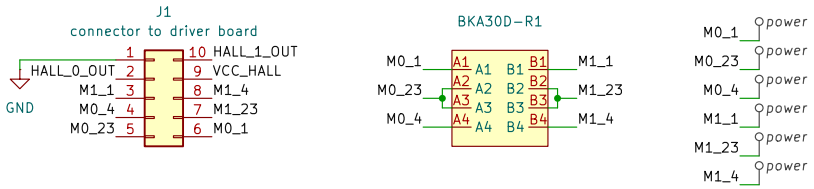

5.1. Application Circuits

For applications with disturbances on the supply line or radiated disturbances, a series resistor R_V and two capacitors C_P and C_L all placed close to the sensor are recommended (see Fig. 5–1).

For example: R_V =100 Ω, C_P = 10 nF, and C_L = 4.7 nF.

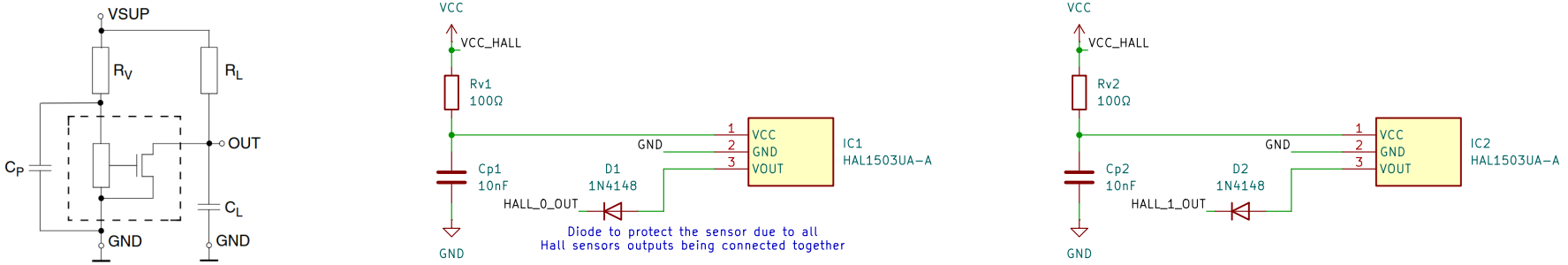

Fig. 5–1: Example for a recommended application circuit

R_L is the open-drain pull-up resistor and has to be placed close to the input of the host controller to enable wire-break detection.

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