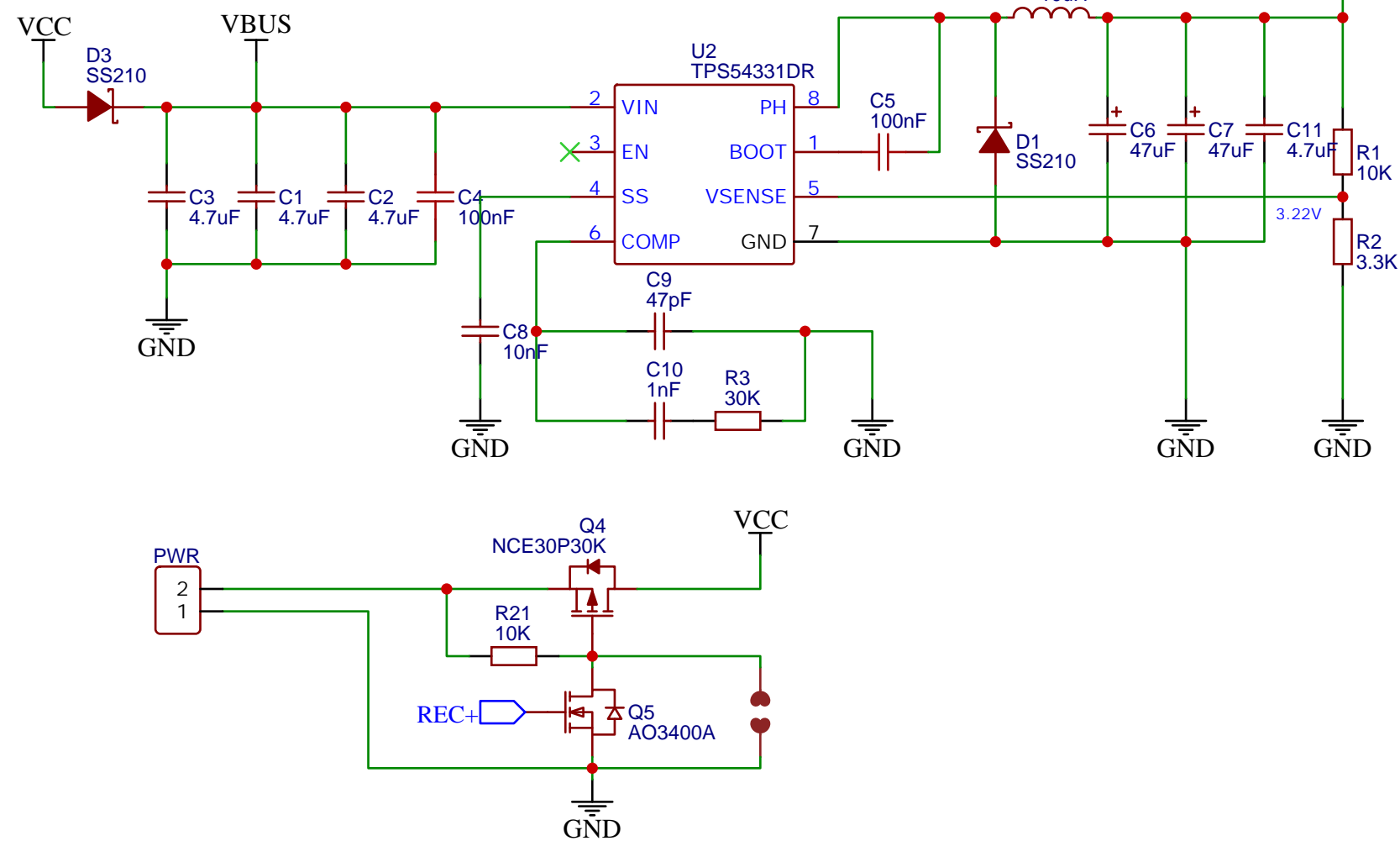



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The diagram illustrates a 6-channel differential signal conditioning module. It consists of three NCE6005AS comparators (Q1, Q2, Q3) and a 12-channel multiplexer (J1, HDR-M-2.54\_2x6). Each of the six input channels (CH1-CH6) is connected to a comparator. The non-inverting inputs (S1, S2) are connected to the inputs, while the inverting inputs (D1, D2) are connected to ground through 10k resistors (R15-R20). The outputs of the comparators (G1, G2) are connected to the inputs of the multiplexer. The multiplexer's 12 outputs are connected to a common VCC line.

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