





$$R_2 = R_1 / (V_{out} / 0.805 - 1)$$

$$V_{out} = (R_1 / R_2 + 1) * 0.805$$

$$V_{out} = (300k / 52.3k + 1) * 0.805$$

$$V_{out} = 5.42V$$

$$R_H = (V_{out} - 0.6V) * R_L / 0.6V$$

$$V_{out} = (0.6 * R_H / R_L) + 0.6$$

$$V_{out} = (0.6 * 100k / 22.1k) + 0.6$$

$$V_{out} = 3.31V$$

Sheet:

File: esp-24v-16ch-v2-power.kicad_sch

Title: ESP 16x 24VDC Input 16x 24VDC Output Module

Size: A4

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