Datasheet:

AMPLIFIED SPEAKER

V1D - 2020-03-20

The MonkMakes Amplified Speaker is an easy to use amplified speaker on a PCB.

The board needs a 5V power supply that can be provided by a Raspberry Pi or Arduino. Audio input will normally be to the 3.5mm stereo audio jack socket, which is mixed to a mono signal as there is just a single speaker on the board.

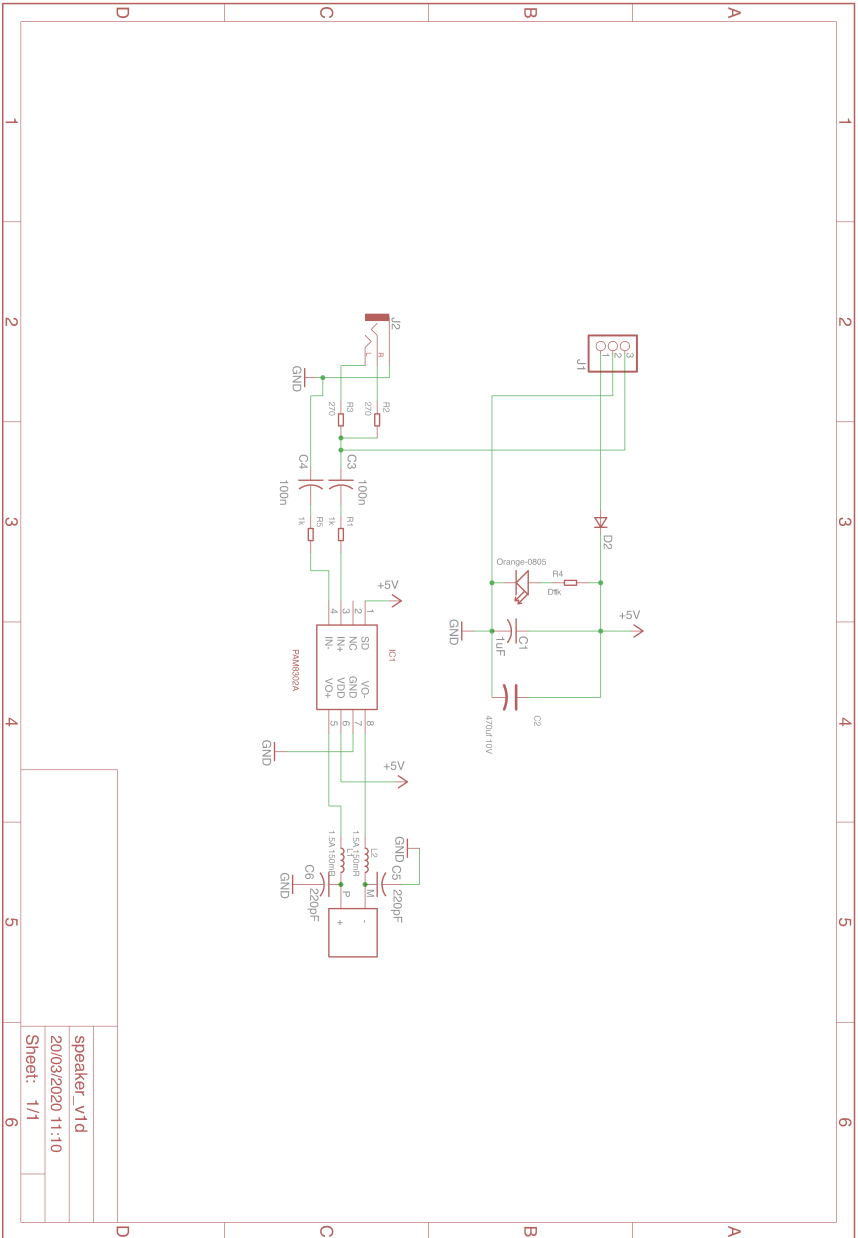The board is based on the PAM8302 digital amplifier IC.

Absolute Maximum Ratings

		Units
Supply voltage	6	V

Electrical Characteristic

		Units
Supply voltage range	2.0 to 5.5	V
Speaker impedance	8	Ω
Speaker nominal max power	500	mW
Coupling	AC	
Maximum current consumption	500	mA
Nominal amplification power	2.5	W

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Board Outline (actual size)