

Datasheet:

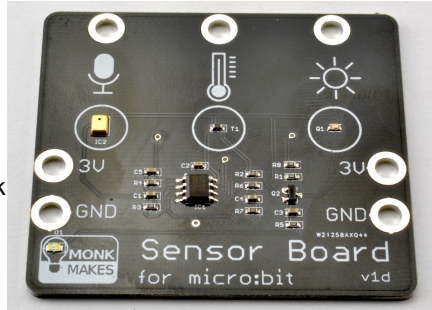


SENSOR FOR MICRO:BIT KIT

V1F - 2020-02-22

The MonkMakes Sensor Board for micro:bit allows you to sense sound level, temperature and light level.

- Analog MEMS microphone with Op-amp preamplifier
- 100k NTC thermistor with 100k 1% fixed resistor voltage divider, op-amp-buffered output
- Phototransistor light sensor



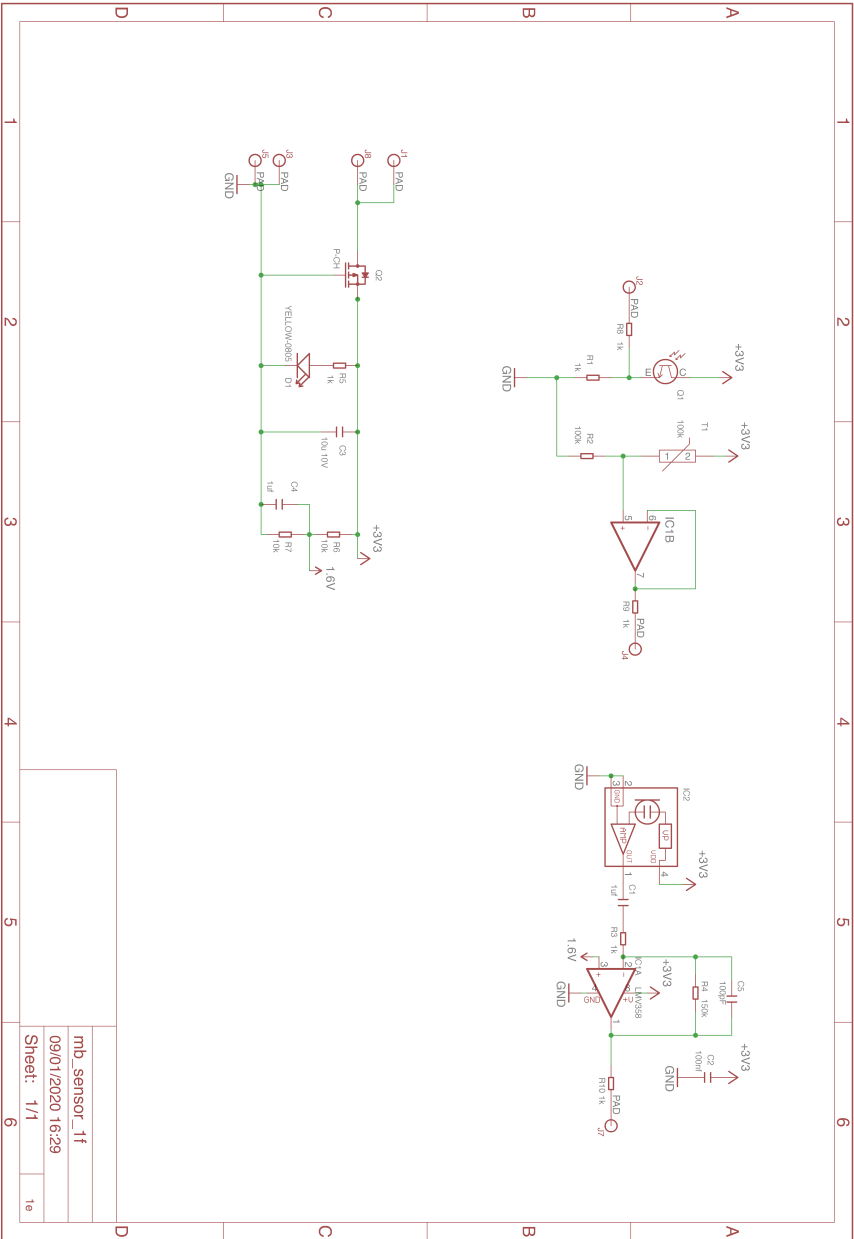
Absolute Maximum Ratings

		Units
Max. supply voltage	3.6	V

Electrical Characteristic

		Units
Audio pre-amp gain	150	
Max. Current consumption	10	mA
Supply voltage	2.4..3.6	V
Mems Mic:	SPU0410HR5H-1	
Thermistor:	R25=100kΩ Beta=4275	
Phototransistor:	KDT00030	





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