

# Bill Of Materials for Freqmeter\_1CH\_SCH

## 0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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Sub-totals:

## 6 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	C1	100pF	CAPACITOR SMD1206
5	C3,C5-C7,C11	0.47uF	CAPACITOR SMD1206

Sub-totals:

## 11 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	R1	47K	RESISTOR SMD1206
2	R2-R3	2M	RESISTOR SMD1206
1	R4	100	RESISTOR SMD1206
1	R5	100K	RESISTOR SMD1206
2	R11-R12	470	RESISTOR SMD1206
1	R15	1K	RESISTOR SMD1206
2	R17,R19	220K	RESISTOR SMD 1206
1	R18	10K	RESISTOR SMD1206

Sub-totals:

## 6 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	U1	MAX999	Single, Ultra-High-Speed, +3V/+5V, Beyond-the-Rails Comparator
2	U3,U5	74AC161	Synchronous Presettable Binary Counter DIL16
2	U7,U9	74AC157	QUAD 2 CHANNEL MULTIPLEXER DIL16
1	U11	MT3608	2A DC-DC Step Up (Boost) Power Module 3.6V to 5VDC

Sub-totals:

## 2 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	Q1	STR2P3LLH6	P-CHANNEL MOSFET Very low on-resistance
1	Q2	BC817	Bipolar (BJT) Single Transistor, NPN, SOT23

Sub-totals:

## 12 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	ARD1	ARDUINO NANO R3	
1	B1	3.6V	18650 1042 BATTERY HOLDER
2	D1,D3	BAT54S	DIODE SHOTTKY
2	D5,D7	LED-RED	LED 3MM 2MA
1	LCD2	SSD1306 OLED (128x64)	TFT DISPLAY 1.8
1	RV1	10K	TRIMMER B64W
4	SW1-SW2,SW5-SW6		TACTILE SWITCH B3F-10XX

Sub-totals: