

# Bill Of Materials for Freqmeter\_NOKIA\_2CH4\_SCH

## 0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
-----------------	-------------------	--------------	--------------------

Sub-totals:

## 13 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
-----------------	-------------------	--------------	--------------------

2	C1-C2	100pF	CAPACITOR SMD1206
10	C3-C12	0.47uF	CAPACITOR SMD1206
1	C13	10u	CAPACITOR EL SMC D

Sub-totals:

## 24 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
-----------------	-------------------	--------------	--------------------

2	R1,R6	47K	RESISTOR SMD1206
4	R2-R3,R7-R8	2M	RESISTOR SMD1206
2	R4,R9	100	RESISTOR SMD1206
2	R5,R10	100K	RESISTOR SMD1206
4	R11-R14	470	RESISTOR SMD1206
2	R15-R16	1K	RESISTOR SMD1206
2	R17,R19	220K	RESISTOR SMD 1206
6	R18,R21-R25	10K	RESISTOR SMD1206

Sub-totals:

## 12 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
-----------------	-------------------	--------------	--------------------

2	U1-U2	MAX999	Single, Ultra-High-Speed, +3V/+5V, Beyond-the-Rails Comparator
4	U3-U6	74AC161	Synchronous Presettable Binary Counter DIL16
4	U7-U10	74AC157	QUAD 2 CHANNEL MULTIPLEXER DIL16
1	U11	MT3608	2A DC-DC Step Up (Boost) Power Module 3.6V to 5VDC
1	U12	LD1117S33	LOW DROP FIXED POSITIVE VOLTAGE REGULATOR 3.3V

Sub-totals:

## 2 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
-----------------	-------------------	--------------	--------------------

1	Q1	STR2P3LLH6	P-CHANNEL MOSFET Very low on-resistance
1	Q2	BC817	Bipolar (BJT) Single Transistor, NPN, SOT23

Sub-totals:

## 19 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
-----------------	-------------------	--------------	--------------------

1	ARD1	ARDUINO NANO R3	
1	B1	3.6V	18650 1042 BATTERY HOLDER
4	D1-D4	BAT54S	DIODE SHOTTKY
4	D5-D8	LED-RED	LED 3MM 2MA
1	LCD1	NOKIA5110	DISPLAY
2	RV1-RV2	10K	TRIMMER B64W
6	SW1-SW6		TACTILE SWITCH B3F-10XX

Sub-totals: