



Bill of materials

Table 1. STEVAL-MKI242A bill of materials

Item	Q.ty	Ref.	Part/Value	Description	Manufacturer	Order code
1	2	JP2, JP3	Header, 12 pin 2.54mm	Header 12 pin mounted on top	Würth Electronic	61301211121
2	2	C2,C4	470 nF, 0603, +/-10%	generic capacitor	Samsung	CL10B474KA8VPJC
3	3	C7,C8	100 nF, 0603, +/-10%	generic capacitor	Kyocera AVX	KGM15BR71H104JM
4	1	C1,C6	2.2 uF, 0603, +/-10%	generic capacitor	YAGEO	CC0603KRX7R6BB225
5	1	C5	1 uF, 0603, +/-10%	generic capacitor	KEMET	C0603C105K4RAC7867
6	1	C3	220 nF, 0603, +/-10%	generic capacitor	YAGEO	CC0603KRX7R6BB224
7	1	U1	TSU114IPT, TSSOP-14	Operational amplifiers ST, SMD, single power	ST	TSU114IPT
8	1	U2	ST1VAFE6AXTR, LGA 14L	Biosensor MEMS device	ST	ST1VAFE6AXTR
9	1	U3	LD39015M12R, SOT-23-5	PMIC - Regulator 150mA	ST	LD39015M12R
10	3	R1,R19,R16	100 Ohm, 0603, +/- 0.1%	generic resistor	YAGEO	RT0603BRD07100RL
11	4	R3,R4,R7,R8	4.7 Mohm, 0603, +/-0.1%	generic resistor	YAGEO	RC0603FR-134M7L
12	2	R2,R13	1.6kOhm, 0603, +/-0.1%	generic resistor	YAGEO	RT0603BRD071K6L
13	1	R17	3.3k Ohm, 0603, +/-0.1%	generic resistor	YAGEO	RT0603BRD073K32L
14	1	R9	330 Ohm, 0603, +/-0.1%	generic resistor	YAGEO	RT0603BRD07330RL
15	1	R10	0Ohm, 0603, +/-0.1%	generic resistor	YAGEO	RC0603FR-070RL
16	5	R5,R6,R14,R15, R18	10 kOhm, 0603, +/-0.1%	generic resistor	YAGEO	RE0603BRE0710KL
17	3	R12	33 Ohm, 0603, +/-0.1%	generic resistor	YAGEO	RT0603BRD0733RL
18	1	P2	HEADPHONE JACK, 3.5mm HP	3.5MM headphone jack	AMPHENOL ICC	SJ-3524-SMT
19	1	P1	3PIN MALE CONN, 3 PIN 2.54MM	3 pin header step 2.54mm	Würth Electronic	61300311121
20	1	D1,D2,D3	ESD Diode, 0402	ESD diode	ST	ESDALCL5-1BM2

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