

## Bill of materials

**Table 1. STEVAL-MKI249KA bill of materials**

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	A	<a href="#">Table 2. STEVAL-MKE005A</a>	Electrode board	ST	Not available for separate sale
2	1	B	<a href="#">Table 3. STEVAL-MKI249A</a>	Sensor board	ST	Not available for separate sale

**Table 2. STEVAL-MKE005A bill of materials**

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	2	QVAR1, QVAR2	Header 3pin SMD for QVAR electrode	3 pin female header	Global Connector Technology	BG125-03-A-1-1-0440-N-D
2	2	R2, R6		Resistor	Yageo	RC0402JR-070RL

**Table 3. STEVAL-MKI249A bill of materials**

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	2	C1,C6	2.2uF, 0603	Capacitor	Yageo	CC0603KRX7R6BB225
2	2	C2, C4	470n, 0603, +/-10%	Capacitor	Samsung	CL10B474KA8VPNC
3	1	C3	220n, 0603, +/-10%	Capacitor	Yageo	CC0603KRX7R6BB224
4	1	C5	1u, 0603, +/-10%	Capacitor	KEMET	C0603C105K4RACTU
5	2	C7, C8	100nF, 0603, +/-10%	Capacitor	Kyocera AVX	KGM15BR71H104JT
6	3	D1, D2, D3	ESDALCL5-1BM2, 0402 - ESD	Schottky Diode	ST	<a href="#">ESDALCL5-1BM2</a>
7	2	JP2, JP3	Header 12, 12 pin 2.54mm	Header, 12-Pin	Würth Electronics	61301211121
8	2	P1, P2	IN+, 3 pin 2.54mm, +/-0.1%	Header, 3-Pin	Würth Electronics	61301211121
9	3	R1, R16, R19	100, 0603, +/-0.1%	Resistor	Panasonic	ERJ-2RKF1003X
10	2	R2, R13	1.6k, 0603, +/- 0.1%	Resistor	Yageo	RT0603BRD071K6L
11	4	R3, R4, R7, R8	4.7M, 0603, +/-0.1%	Resistor	Yageo	RC0603FR-134M7L
12	5	R5, R6, R14, R15, R18	10k, 0603, +/- 0.1%	Resistor	Vishay Dale	TNPW060310K0BEEA
13	1	R9	330,0603, +/- 0.1%	Resistor	Yageo	RT0603BRD07330RL
14	1	R11	0603, +/- 0.1%	Resistor	Yageo	RC0603FR-070RL
15	1	R12	33, 0603, +/- 0.1%	Resistor	Yageo	RT0603BRD0733RL
16	1	R17	3.3k, 0603	Resistor	Yageo	RT0603BRD073K32L
17	1	U1	TSU114, TSSOP-14	OPAMP	ST	<a href="#">TSU114IQ4T</a>
18	1	U2	ST1VAFE6AX, 2.5x3, LGA14	6-axis biosensor MEMS	Any	Any
19	1	U3	LD39015M12R, SOT-23-5L	IC REG LINEAR	ST	<a href="#">LD39015M12R</a>



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