

Bill of materials

Table 1. STEVAL-MKI250KA bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	A	Table 2. STEVAL-MKE006A	Electrode board	ST	Not available for separate sale
2	1	B	Table 3. STEVAL-MKE007A	Electrode board	ST	Not available for separate sale
3	1	C	Table 4. STEVAL-MKI250A	Sensor board		

Table 2. STEVAL-MKE006A bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order code
1	1	B1	LD39015M12R, SOT23-5L	150 mA low quiescent current low noise voltage regulator	ST	LD39015M12R
2	1	B2	TSU111ICT, SC70-5	Nanopower (900 nA) high accuracy (150 μ V) 5V CMOS Op-Amp	ST	TSU111ICT
3	1	C1	1 μ , 0603	Capacitor	KEMET	C0603C105K8RACTU
4	1	C2	100n, 0603	Capacitor	TDK	CGA3E2X7R1H104K080AA
7	2	QVAR1, QVAR2	Header 3pin SMD for QVAR electrode, 3 x 2.54 smd		Global Connector Technology	BG125-03-A-1-1-0440-N-D
8	2	R2, R6	0402	Resistor	Yageo	RC0402JR-070RL
9	1	R9	14.3k, 0603	Resistor	Yageo	RT0603BRD0714K3L
10	1	R10	15k, 0603	Resistor	Yageo	RC0603FR-0715KL

Table 3. STEVAL-MKE007A bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order cod
1	1	B1	LD39015M12R, SOT23-5L	150 mA low noise voltage regulator	ST	LD39015M12R
2	1	B2	TSU111ICT, SC70-5	5V CMOS Op-Amp	ST	TSU111ICT
3	1	C1	1 μ , 0603	Capacitor	KEMET	C0603C105K4RACTU
4	1	C2	100n, 0603	Capacitor	Kyocera AVX	06035C104K4T2A
5	1	P1	SJ-3524-SMT, 3.5mm HP jack	Connector	CUI Devices	SJ-3524-SMT-TR
6	2	QVAR1, QVAR2	Header 3pin SMD for QVAR electrode, 2.54mm	Connector	Global Connector Technology	BG125-03-A-1-1-0440-N-D
7	1	R4	14.3k, 0603	Resistor	Yageo	RT0603BRD0714K3L
8	1	R5	15k, 0603	Resistor	Yageo	RC0603FR-0715KL
9	2	R6, R7	0402	Resistor	Yageo	RC0402JR-070RL

Table 4. STEVAL-MKI250A bill of materials

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order cod
1	1	2.2 μ F, SMD_C_0603_REFLOW_S, 50V	2.2 μ F	CAPACITOR	KEMET	C0603C225K8RACTU

Item	Q.ty	Ref.	Part/value	Description	Manufacturer	Order cod
2	2	100nF, SMD_C_0603_REFLOW_S, 50V	100nF	CAPACITOR	Multicomp	MC0603B104K500CT
3	2	4K7, 0603	4K7	RESISTOR	Vishai	CRCW06034K70FKEA
4	1	603	0	RESISTOR	Panasonic	ERJ-3GEY0R00V
5	2	470pF, SMD_C_0603_REFLOW_S, 50V	470pF	CAPACITOR	KEMET	C0603C471J5RACTU
6	2	header 12 pin, HDR1X12	header 12 pin	Header 12	Würth Electronics	61301211121
7	2	ESDALCL5-1BM2, SOD882	ESDALCL5-1BM2	ESD DIODE	ST	ESDALCL5-1BM2
8	2	header 3 pin, HDR1X3	header 3 pin	Connector	GCT	BG030-03-A--0450-0300-N-G
9	1	ST1VAFE3BX, LGA 2X2 12L	ST1VAFE3BX	SMART AXL	ST	ST1VAFE3BXTR

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