



## 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                    | TSU114IPT, TSSOP-14        | OPAMP                 | ST                | <a href="#">TSU114IPT</a>     |
| 18   | 1    | U2                    | ST1VAFE6AXTR, 2.5x3, LGA14 | 6-axis biosensor MEMS | ST                | <a href="#">ST1VAFE6AXTR</a>  |
| 19   | 1    | U3                    | LD39015M12R, SOT-23-5L     | IC REG LINEAR         | ST                | <a href="#">LD39015M12R</a>   |

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