

## STEVAL-TDR031V1

| Designator                     | Manufacturer | Quantity | Value     | Manufacturer Part Number | Footprint |
|--------------------------------|--------------|----------|-----------|--------------------------|-----------|
| C1, C9                         | Murata       | 2        | 100pF     | GRM1555C1H101JA01        | 0402      |
| C2                             | Murata       | 1        | 16 pF     | GJM1555C1H160GB01#       | 0402      |
| C2a                            | Murata       | 1        | 10 pF     | GJM1555C1H100JZ01#       | 0402      |
| C3                             | Murata       | 1        | 5pF       | GRM1555C1H5R0GA01#       | 0402      |
| C4                             | Murata       | 1        | 1uF       | GRM188R61E105KA12#       | 0603      |
| C5, C6, C8, C10, C15, C16, C19 | Murata       | 7        | 240pF     | GRM1555C1H241JA01#       | 0402      |
| C7, C11, C17                   | Murata       | 3        | 0.1uF     | GRM155C81E104KA12#       | 0402      |
| C12                            | Murata       | 1        | 1uF       | GRM188B31E105KA75#       | 0603      |
| C13                            | Murata       | 2        | 100pF     | GQM1885C1H101GB01#       | 0603      |
| C22                            | Murata       | 2        | 100pF     | GQM2195C1H101JB01#       | 0805      |
| C14                            | Murata       | 1        | 27pF      | GRM1555C1H270FA01#       | 0402      |
| C14a                           | Murata       | 1        | 18pF      | GRM1555C1H180JZ01#       | 0402      |
| C18                            | Murata       | 1        | 10uF      | GRM32ER71H106KA12#       | 1210      |
| C20, C21                       | Murata       | 2        | 47pF      | GQM1875C2E470GB12#       | 0603      |
| C23                            | Murata       | 1        | 24pF      | GQM1875C2E240GB12#       | 0603      |
| C24                            | Murata       | 1        | 15pF      | GQM1875C2E150GB12#       | 0603      |
| C25a                           | Murata       | 1        | 2.7pF     | GCM1885C2A2R7CB01#       | 0603      |
| C26, C27                       | Murata       | 2        | 36pF      | GRM1555C1H360GA01#       | 0603      |
| C29                            | Murata       | 1        | 22pF      | GRM1555C1H220FA01#       | 0402      |
| L1                             | Coilcraft    | 1        | 7.5nH     | 0402CS-7N5XJLW           | 0402      |
| L2                             | Coilcraft    | 1        | 100 nH    | 0603HP-R10X_LU           | 0603      |
| L3, L4                         | NA           | 2        | NA        | NA                       | 0402      |
| L5                             | Coilcraft    | 1        | 10.2nH    | 0807SQ-10N_LC            | Mini A    |
| L6                             | Coilcraft    | 1        | 52nH      | NA5778-AE                |           |
| L7                             | Coilcraft    | 1        | 3.7nH     | GA3092-ALC               | Mini A    |
| La                             | Coilcraft    | 1        | 68nH      | 1008HQ-68NX_LC           | 0402      |
| Q1                             | ST           | 1        | SOT89     | PD84002                  | SOT89     |
| Q2                             | ST           | 1        | PowerFlat | PD85006L                 | PowerFlat |
| Q3, Q4                         | ST           | 2        | PSO-10    | PD85035S                 | PSO-10    |
| R1                             | Vishay       | 1        | 220 Ohm   | CRCW0402220RFKED         | 0402      |
| R2                             | Vishay       | 1        | 150 Ohm   | CRCW0402150RFKED         | 0402      |
| R3, R6                         | Vishay       | 2        | 5.6 KOhm  | CRCW04025K60FKEA         | 0402      |
| R4                             | Vishay       | 1        | 820 Ohm   | CRCW1206820RFKEA         | 1206      |
| R5                             | Vishay       | 1        | 18 Ohm    | CRCW0402180RFKED         | 0402      |
| R7                             | Vishay       | 1        | 15 KOhm   | CRCW040215K0FKEA         | 0402      |
| R8                             | Vishay       | 1        | 1200 Ohm  | CRCW12061K20FKEA         | 1206      |
| R9                             | Vishay       | 1        | 4,99 Kohm | CRCW04024K99FKEA         | 0402      |
| R10, R11, R12, R13, R14, R15   | KOA Speer    | 6        | 3.9 Ohm   | RK73H1JTTD3R90F          | 0603      |
| R16                            | Vishay       | 1        | 4.7 Ohm   | CRCW06034R70FKEA         | 0603      |
| Substrate                      |              |          | FR-4      | 20 mils 1oz copper       |           |