

Bill of Materials

EV Kit Part Number: MAX2248EVKIT

Revision: P2

Date Last Edited: 3/3/2017



| Item | Reference | Quantity | Value | Tolerance | Description | Part Number | Manufacturer |
|------|-------------|----------|--------------|-----------|--|---|---------------------------------|
| 1 | C1 | 1 | 1UF | ±10% | 0805 Ceramic Capacitor, SMT | GRM21BR71C105KA01 | MURATA |
| 2 | C2 | 1 | 0.01UF | ±10% | 0402 Ceramic Capacitor, SMT | C0402C103K3RAC; GRM155R71E103KA01D; C1005X7R1E103K | KEMET; MURATA; TDK |
| 3 | C3, C6, C7 | 3 | 470PF | ±5% | 0402 Ceramic Capacitor, SMT | GCM1555C1H471JA16; GRM1555C1H471JA01 | MURATA |
| 4 | C4, C9, C12 | 3 | 1000PF | ±5% | 0402 Ceramic Capacitor, SMT | GRM1555C1H102JA01; C1005C0G1H102J050 | MURATA; TDK |
| 5 | C5, C11 | 2 | 220PF | ±5% | 0402 Ceramic Capacitor, SMT | GRM1555C1H221JA01 | MURATA |
| 6 | C8 | 1 | 18PF | ±5% | 0402 Ceramic Capacitor, SMT | C0402C180J5GAC; GRM1555C1H180JA01J;C100 5C0G1H180J050 | KEMET/MURATA/T DK |
| 7 | C10 | 1 | 8PF | ±0.25pF | 0402 Ceramic Capacitor, SMT | GRM1555C1H8R0CZ01D | MURATA |
| 8 | C13 | 1 | 1PF | ±0.05pF | 0402 Ceramic Capacitor, SMT | GJM1555C1H1R0WB01 | MURATA |
| 9 | C14 | 1 | 1PF | | 0201 Ceramic Capacitor, SMT | GRM0334C1H1R0WA01 | MURATA |
| 12 | L1 | 1 | 22NH | ±10% | 0603 Ceramic Inductor, SMT | LQG18HN22NJ00 | MURATA |
| 13 | L2 | 1 | 1.5NH | ±0.2nH | 0402 Wirewound Inductor, SMT | LQW15AN1N5C00 | MURATA |
| 14 | R1-R3 | 3 | 8.2 | ±5% | 0402 Thick Film Resistor | RMC1/16S-8R2J | KAMAYA |
| 10 | J1, J5 | 2 | 142-0701-851 | | 2 pin Connector, End Launch Jack Receptacle | 142-0701-851 | JOHNSON COMPONENTS |
| 11 | J2-J4 | 3 | HEADER_3P | | 3 pin Connector, Male, Through Hole | 800-10-003-10-001000 | MILLMAX |
| 15 | SU2-SU4 | 3 | STC02SYAN | | 2 (1 x 2) Position Shunt Connector Black | STC02SYAN | SULLINS ELECTRONICS CORP. |
| 16 | TP1 | 1 | N/A | | Test Point, Red | 5000 | KEYSTONE |
| 17 | TP2 | 1 | N/A | | Test Point, Black | 5001 | KEYSTONE |
| 18 | U1 | 1 | MAX2248 | | MAX2248, 16 TQFN-EP; PACKAGE CODE T1633+5 | MAX2248 | MAXIM |