

| Item | Qty | Order Qty | Part Description | Value | Tolerance | Rating | Dielectric | Pop/Unpop | Manufacturer | Part Number |
|--------------|-----|-----------|--|----------------|----------------|-----------|------------|-----------|-------------------------|--------------------|
| 1 | 1 | 1 | 3.5mm 4-Pole Right Angle PCB Jack Socket with Detect | IJAN4-165 | | 1A 12V | | Populated | Inchang Electronics | IJAN4-165 |
| 2 | 1 | 1 | Caitlin WLCSPP34 ASSP Variant | DA7212 | | | | Populated | Dialog Semiconductor | DA7212 |
| 3 | 1 | 1 | TLV70018 1.8V 200mA Low-IQ Low-Dropout Regulator | TLV70018 | | 1V8 0A2 | | Populated | Texas Instruments | TLV70018DDCT |
| 4 | 3 | 3 | 0603 (1608 Metric) SMD Resistor | 0R | Jumper | 0.1W | | Populated | Yageo | RC0603JR-070RL |
| 5 | 5 | 5 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Populated | Yageo | RC0402JR-070RL |
| 6 | 1 | 1 | 0402 (1005 Metric) SMD Resistor | 10K | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0710KL |
| 7 | 3 | 3 | 0402 (1005 Metric) SMD Resistor | 2K2 | ±1% | 0.063W | | Populated | Yageo | RC0402FR-072K2L |
| 8 | 1 | 1 | 0402 (1005 Metric) SMD Resistor | 33R | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0733RL |
| 9 | 1 | 1 | 0402 (1005 Metric) SMD Resistor | 430R | ±1% | 0.063W | | Populated | Yageo | RC0402FR-07430RL |
| 10 | 3 | 3 | 0402 (1005 Metric) SMD Resistor | 47K | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0747KL |
| 11 | 3 | 3 | 0402 (1005 Metric) SMD Capacitor | 100n | ±10% | 10V | X5R | Populated | Murata | GRM155R61A104KA01D |
| 12 | 14 | 14 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D |
| 13 | 2 | 2 | 0603 (1608 Metric) SMD Capacitor | 10u | ±20% | 6.3V | X5R | Populated | Murata | GRM188R60J106ME47D |
| 14 | 1 | 1 | N-Channel MOSFET SOT-23 | FDV303N | | 25V 680mA | | Populated | Fairchild Semiconductor | FDV303N |
| 15 | 2 | 2 | SMT PCB Test Terminal | SMT | | | | Populated | Harwin | S1751-46 |
| 16 | 1 | 1 | 3.5mm Right Angle PCB Jack Socket with Chassis | KLBR4 | | 1A 34V | | Populated | Lumberg | KLBR4 |
| 17 | 6 | 6 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Populated | TDK | MPZ1608S221ATA00 |
| 18 | 1 | 1 | 0603 (1608 Metric) SMD LED | ORANGE | -40°C to +85°C | Vf=2V05 | | Populated | Kingbright | KPG-1608SEKC-T |
| 19 | 6 | 6 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Populated | Murata | GRM1555C1H101JA01D |
| UNPOP | | | | | | | | | | |
| 20 | 2 | | Unpop 1.00mm Round SMT Test Point | SMT Pad 1.00mm | | | | Unpop | | |
| 21 | 2 | | Unpop Shorted 0603 Footprint | Short | | | | Unpop | | |
| 22 | 14 | | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| 23 | 2 | | 0402 (1005 Metric) SMD Resistor | 33R | ±1% | 0.063W | | Unpop | Yageo | RC0402FR-0733RL |
| 24 | 1 | | 0402 (1005 Metric) SMD Resistor | 47K | ±1% | 0.063W | | Unpop | Yageo | RC0402FR-0747KL |
| 25 | 1 | | "Ultra Mini" SiSonic Microphone | SPU0410HR5H-PB | | | | Unpop | Knowles Acoustics | SPU0410HR5H-PB |
| 26 | 2 | | 0402 (1005 Metric) SMD Capacitor | 100n | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A104KA01D |
| 27 | 5 | | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A105KE15D |
| 28 | 1 | | 0603 (1608 Metric) SMD Capacitor | 10u | ±20% | 6.3V | X5R | Unpop | Murata | GRM188R60J106ME47D |
| 29 | 1 | | Crystal Oscillator 11.2896MHz 3.3V SMD | 11.2896MHz | | | | Unpop | TXC | AW-11.2896MBE-T |
| 30 | 1 | | 1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail) | TSW-102-07-G-S | | | | Unpop | Samtec | TSW-102-07-G-S |
| 31 | 1 | | 2x6 2.54mm pitch PCB Female Socket VERTICAL (10mm tail) | SSQ-106-03-G-D | | | | Unpop | Samtec | SSQ-106-03-G-D |
| 32 | 2 | | 2x8 2.54mm pitch PCB Female Socket VERTICAL (10mm tail) | SSQ-108-03-G-D | | | | Unpop | Samtec | SSQ-108-03-G-D |
| 33 | 1 | | 2x10 2.54mm pitch PCB Female Socket VERTICAL (10mm tail) | SSQ-110-03-G-D | | | | Unpop | Samtec | SSQ-110-03-G-D |
| 34 | 1 | | Secure Digital - microSD™ Memory Card Socket | 0492250821 | | | | Unpop | Molex | 0492250821 |
| 35 | 1 | | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Unpop | TDK | MPZ1608S221ATA00 |
| 36 | 1 | | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Unpop | Murata | GRM1555C1H101JA01D |

Boards to be built = 1

| Ref Des | Part Description | Value | Tolerance | Rating | Dielectric | Pop/Unpop | Manufacturer | Part Number | Part Number |
|---------|--|-----------|----------------|-----------|------------|-----------|-------------------------|--------------------|-------------|
| C12 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Populated | Murata | GRM1555C1H101JA01D | |
| C26 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Populated | Murata | GRM1555C1H101JA01D | |
| C3 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Populated | Murata | GRM1555C1H101JA01D | |
| C30 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Populated | Murata | GRM1555C1H101JA01D | |
| C33 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Populated | Murata | GRM1555C1H101JA01D | |
| C34 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Populated | Murata | GRM1555C1H101JA01D | |
| C16 | 0402 (1005 Metric) SMD Capacitor | 100n | ±10% | 10V | X5R | Populated | Murata | GRM155R61A104KA01D | |
| C17 | 0402 (1005 Metric) SMD Capacitor | 100n | ±10% | 10V | X5R | Populated | Murata | GRM155R61A104KA01D | |
| C7 | 0402 (1005 Metric) SMD Capacitor | 100n | ±10% | 10V | X5R | Populated | Murata | GRM155R61A104KA01D | |
| C11 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C13 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C15 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C20 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C22 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C23 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C24 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C25 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C27 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C28 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C29 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C4 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C8 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C9 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Populated | Murata | GRM155R61A105KE15D | |
| C31 | 0603 (1608 Metric) SMD Capacitor | 10u | ±20% | 6.3V | X5R | Populated | Murata | GRM188R60J106ME47D | |
| C32 | 0603 (1608 Metric) SMD Capacitor | 10u | ±20% | 6.3V | X5R | Populated | Murata | GRM188R60J106ME47D | |
| R12 | 0603 (1608 Metric) SMD Resistor | 0R | Jumper | 0.1W | | Populated | Yageo | RC0603JR-070RL | |
| R13 | 0603 (1608 Metric) SMD Resistor | 0R | Jumper | 0.1W | | Populated | Yageo | RC0603JR-070RL | |
| R29 | 0603 (1608 Metric) SMD Resistor | 0R | Jumper | 0.1W | | Populated | Yageo | RC0603JR-070RL | |
| R7 | 0402 (1005 Metric) SMD Resistor | 33R | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0733RL | |
| R28 | 0402 (1005 Metric) SMD Resistor | 430R | ±1% | 0.063W | | Populated | Yageo | RC0402FR-07430RL | |
| R19 | 0402 (1005 Metric) SMD Resistor | 2K2 | ±1% | 0.063W | | Populated | Yageo | RC0402FR-072K2L | |
| R20 | 0402 (1005 Metric) SMD Resistor | 2K2 | ±1% | 0.063W | | Populated | Yageo | RC0402FR-072K2L | |
| R27 | 0402 (1005 Metric) SMD Resistor | 2K2 | ±1% | 0.063W | | Populated | Yageo | RC0402FR-072K2L | |
| R25 | 0402 (1005 Metric) SMD Resistor | 10K | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0710KL | |
| R22 | 0402 (1005 Metric) SMD Resistor | 47K | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0747KL | |
| R24 | 0402 (1005 Metric) SMD Resistor | 47K | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0747KL | |
| R26 | 0402 (1005 Metric) SMD Resistor | 47K | ±1% | 0.063W | | Populated | Yageo | RC0402FR-0747KL | |
| R11 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Populated | Yageo | RC0402JR-070RL | |
| R32 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Populated | Yageo | RC0402JR-070RL | |
| R34 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Populated | Yageo | RC0402JR-070RL | |
| R36 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Populated | Yageo | RC0402JR-070RL | |
| R9 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Populated | Yageo | RC0402JR-070RL | |
| FB1 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Populated | TDK | MPZ1608S221ATA00 | |
| FB3 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Populated | TDK | MPZ1608S221ATA00 | |
| FB4 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Populated | TDK | MPZ1608S221ATA00 | |
| FB5 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Populated | TDK | MPZ1608S221ATA00 | |
| FB6 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Populated | TDK | MPZ1608S221ATA00 | |
| FB7 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Populated | TDK | MPZ1608S221ATA00 | |
| D1 | 0603 (1608 Metric) SMD LED | ORANGE | -40°C to +85°C | Vf=2V05 | | Populated | Kingbright | KPG-1608SEK-T | |
| Q1 | N-Channel MOSFET SOT-23 | FDV303N | | 25V 680mA | | Populated | Fairchild Semiconductor | FDV303N | |
| J4 | 3.5mm Right Angle PCB Jack Socket with Chassis | KLBR4 | | 1A 34V | | Populated | Lumberg | KLBR4 | |
| J6 | 3.5mm 4-Pole Right Angle PCB Jack Socket with Detect | IJAN4-165 | | 1A 12V | | Populated | Inchang Electronics | IJAN4-165 | |
| TP1 | SMT PCB Test Terminal | SMT | | | | Populated | Harwin | S1751-46 | |
| TP4 | SMT PCB Test Terminal | SMT | | | | Populated | Harwin | S1751-46 | |
| U1 | TLV70018 1.8V 200mA Low-IQ Low-Dropout Regulator | TLV70018 | | 1V8 0A2 | | Populated | Texas Instruments | TLV70018DDCT | |
| U2 | Caitlin WLSP34 ASSP Variant | DA7212 | | | | Populated | Dialog Semiconductor | DA7212 | |

| UNPOP | | | | | | | | |
|-------|--|----------------|--------|-----------|---------|-------|-------------------|--------------------|
| C5 | 0402 (1005 Metric) SMD Capacitor | 100p | ±5% | 50V | COG/NPO | Unpop | Murata | GRM1555C1H101JA01D |
| C1 | 0402 (1005 Metric) SMD Capacitor | 100n | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A104KA01D |
| C2 | 0402 (1005 Metric) SMD Capacitor | 100n | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A104KA01D |
| C10 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A105KE15D |
| C14 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A105KE15D |
| C18 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A105KE15D |
| C21 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A105KE15D |
| C6 | 0402 (1005 Metric) SMD Capacitor | 1u | ±10% | 10V | X5R | Unpop | Murata | GRM155R61A105KE15D |
| C19 | 0603 (1608 Metric) SMD Capacitor | 10u | ±20% | 6.3V | X5R | Unpop | Murata | GRM188R60106ME47D |
| R10 | 0402 (1005 Metric) SMD Resistor | 33R | ±1% | 0.063W | | Unpop | Yageo | RC0402FR-0733RL |
| R8 | 0402 (1005 Metric) SMD Resistor | 33R | ±1% | 0.063W | | Unpop | Yageo | RC0402FR-0733RL |
| R21 | 0402 (1005 Metric) SMD Resistor | 47K | ±1% | 0.063W | | Unpop | Yageo | RC0402FR-0747KL |
| R14 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R15 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R16 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R17 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R18 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R23 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R3 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R30 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R31 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R33 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R35 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R4 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R5 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| R6 | 0402 (1005 Metric) SMD Resistor | 0R | Jumper | 0.063W | | Unpop | Yageo | RC0402JR-070RL |
| FB2 | 0603 (1608 Metric) SMD Inductor | 220R | ±25% | 40-300MHz | | Unpop | TDK | MPZ1608S221ATA00 |
| Y1 | Crystal Oscillator 11.2896MHz 3.3V SMD | 11.2896MHz | | | | Unpop | TXC | AW-11.2896MBE-T |
| J3 | Secure Digital - microSD™ Memory Card Socket | 0492250821 | | | | Unpop | Molex | 0492250821 |
| J5 | 1x2 2.54mm pitch PCB Pin Header VERTICAL (2.54mm tail) | TSW-102-07-G-S | | | | Unpop | Samtec | TSW-102-07-G-S |
| J8 | 2x6 2.54mm pitch PCB Female Socket VERTICAL (10mm tail) | SSQ-106-03-G-D | | | | Unpop | Samtec | SSQ-106-03-G-D |
| J2 | 2x8 2.54mm pitch PCB Female Socket VERTICAL (10mm tail) | SSQ-108-03-G-D | | | | Unpop | Samtec | SSQ-108-03-G-D |
| J7 | 2x8 2.54mm pitch PCB Female Socket VERTICAL (10mm tail) | SSQ-108-03-G-D | | | | Unpop | Samtec | SSQ-108-03-G-D |
| J1 | 2x10 2.54mm pitch PCB Female Socket VERTICAL (10mm tail) | SSQ-110-03-G-D | | | | Unpop | Samtec | SSQ-110-03-G-D |
| MK1 | "Ultra Mini" SiSonic Microphone | SPU0410HR5H-PB | | | | Unpop | Knowles Acoustics | SPU0410HR5H-PB |
| R1 | Unpop Shorted 0603 Footprint | Short | | | | Unpop | | |
| R2 | Unpop Shorted 0603 Footprint | Short | | | | Unpop | | |
| TP2 | Unpop 1.00mm Round SMT Test Point | SMT Pad 1.00mm | | | | Unpop | | |
| TP3 | Unpop 1.00mm Round SMT Test Point | SMT Pad 1.00mm | | | | Unpop | | |