

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-1608SEK-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		