







Comment	Description	Designator	Footprint	LibRef	Quantity
Header 2	Header, 2-Pin	-5P	HDR1X2	Header 2	1
2450AT18B100	2.45 GHz chip anten	A1	2450AT18B100		1
PTS820	Tactile Switch SPST-	BP1	C&K PTS820_NO_H	TACTILE1PTS820-NH	1
12pF	Capacitor, NP0, ±2%	C1	CAPC0603X03L_C	C0201-12p	1
12pF	Capacitor, NP0, ±2%	C2	CAPC0603X03L_C	C0201-12p	1
0.8pF	Capacitor, NP0, ±5%	C3	CAPC0603X03L_C	C0201-1.0p	1
100nF	Capacitor, X5R, ±10%	C5	CAPC0603X03L_C	C0201-100n	1
4.7µF	Capacitor, X5R, ±10%	C6	CAPC1608X06L	C0603-4µ7	1
100nF	Capacitor, X5R, ±10%	C7	CAPC0603X03L_C	C0201-100n	1
100nF	Capacitor, X5R, ±10%	C8	CAPC0603X03L_C	C0201-100n	1
820pF	Capacitor, X7R, ±10%	C9	CAPC0603X03L_C	C0201-820p	1
100nF	Capacitor, X5R, ±10%	C12	CAPC0603X03L_C	C0201-100n	1
2.2pF	Capacitor, NP0, ±5%	C13	CAPC0603X03L_C	C0201-1.0p	1
1.0µF	Capacitor, X7R, ±10%	C14	CAPC1608X06L	C0603-1µ0	1
1.0µF	Capacitor, X7R, ±10%	C15	CAPC1608X06L	C0603-1µ0	1
47nF	Capacitor, X5R, ±10%	C16	CAPC0603X03L_C	C0201-47n	1
12pF	Capacitor, NP0, ±2%	C17	CAPC0603X03L_C	C0201-12p	1
12pF	Capacitor, NP0, ±2%	C18	CAPC0603X03L_C	C0201-12p	1
4.7µF	Capacitor, X5R, ±20%	C19	CAPC1005X04L	C0402-4µ7	1
4.7µF	Capacitor, X5R, ±10%	C20	CAPC1608X06L	C0603-4µ7	1
10nF	Capacitor, X7R, ±10%	C21	CAPC0603X03L_C	C0201-10n	1
100nF	Capacitor, X5R, ±10%	C22	CAPC0603X03L_C	C0201-100n	1
4.7µF	Capacitor, X5R, ±20%	C23	CAPC1005X04L	C0402-4µ7	1
100nF	Capacitor, X5R, ±10%	C24	CAPC0603X03L_C	C0201-100n	1
4.7µF	Capacitor, X5R, ±10%	C31	CAPC1005X04L	C0603-4µ7	1
Cap	Capacitor	Card1	6-0805_N	Cap_8	1
Cap	Capacitor	Card2	6-0805_N	Cap_8	1
Cap	Capacitor	Card3	LC-0603_C	Cap_1	1
Cap	Capacitor	Chigh	LC-0603_C	Cap	1
Cap	Capacitor	Clow	LC-0603_C	Cap	1
100nF	Capacitor, X5R, ±10%	CRST	CAPC0603X03L_C	C0201-100n	1
PRTR5V0U2X	Ultra low capacitanc	D1	SOT190P230X110-4	PRTR5V0U2X	1
Header 2	Header, 2-Pin	D~	HDR1X2	Header 2	1
120R/0.85A	Ferrite Bead, 120 Oh	FB1	INDC0603X03L_C	FB0201-120R@100N	1
120R/0.85A	Ferrite Bead, 120 Oh	FB2	INDC0603X03L_C	FB0201-120R@100N	1
3.9nH	High frequency chip	L1	INDC0603X03L_C	L0201-3n9	1
10µH	Inductor, 80mA, ±10	L2	INDC1608X06L	L0603-10µ	1
15nH	Inductor, 320mA, ±5	L3	INDC1005X04L	L0402-15n	1
10µH	Inductor, 80mA, ±10	L4	INDC1608X06L	L0603-10µ	1
3.9nH	High frequency chip	L4A	INDC0603X03L_C	L0201-3n9	1
N.C.	High frequency chip	L5	INDC0603X03L_C	L0201-3n9	1
L0603G	LED, Green, 0603, 57	LD1	LED_0603_G	VS 25C7M5	1
L0603G	LED, Green, 0603, 57	LD2	LED_0603_G	VS 25C7M5	1
Header 2	Header, 2-Pin	Power	HDR1X2	Header 2	1
Res2	Resistor	R0	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R1	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R2	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R3	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R4	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R5	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R6	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R7	RESC0603X03L_C	Res2_5	1
Res2	Resistor	R8	RESC0603X03L_C	Res2_5	1
Rheostat		Rh1	Rheostat_SMD	Rheostat	1
220R	Resistor, ±1%, 0.05W	RLED1	RESC0603X03L_C	R0201-220	1
220R	Resistor, ±1%, 0.05W	RLED2	RESC0603X03L_C	R0201-220	1
Header 2X2	Header, 2-Pin, Dual	SigAin	HDR2X2	Header 2X2	1
Header 2	Header, 2-Pin	Signalin	HDR1X2	Header 2	1
LM324	General Purpose Am	U1	SOIC127P600X175-4	LM324	1
ICL7660ISA-T	Switching Voltage Re	U2	SOIC127P600X175-4	ICL7660ISA-T	1
nRF52840_CKAA	Multi-protocol Bluet	U3	BGA94C35P10X10_352X356X50		1
Micro USB	CONN RCPT MICRO	USB	1981584-1	1981584-1	1
32MHz	XTAL SMD 2016, 32M	X1	BT-XTAL_2016	XTAL_SMD2016_32M	1
32.768kHz	XTAL SMD 2012, 32	X2	XTAL_2012	XTAL_SMD2012_32.7	1