

ITEM	QTY	REF DESIGN	DESCRIPTION	Mfg	Mfg Part Number	OPL	Mouser PN	Digi-Key PN
1	1	XTAL13_56MHZ	Xtal, 13.56 MHz, Ftol +/-10ppm, CRYSTAL 13.560 MHZ 18pF HC49/US SMD	TXC CORPORATION	9C-13.560MEEJ-T	-	717-9C-13.560MEEJ-T	887-1270-1-ND
2	1	J1	CONN HEADER FMAL 14PS .1" DL TIN (including GND+3V3) 2x7 pin header 2.54mm lengthen female.	Sullins Connector Solutions	PPTC072LFBN-RC	-	-	S7075-ND
3	2	J2 & J3	CONN HEADER FMAL 20PS .1" DL TIN x2 (including 3V3+GND and 5V+GND): 2x10 pin header 2.54mm lengthen female.	Sullins Connector Solutions	PPTC102LFBN-RC	-	-	S7078-ND
4	2	K1 & K2	BUTTON-4P-3100010P1 4P-SMD-6.0X6.0X5.0H			3100010P1	-	-
5	2	K3 & K4	BUTTON-2P-REINFORCE-3100060P1 4P-SMD-7.0X3.5X3.5H-90D			3100060P1	-	-
6	3	C1 & C2 & C22	Capacitor, 27pF, 0603			0100410P1	-	-
7	5	C3 & C5 & C7 & C9 & C11	Capacitor, 0.01uF 0603			0100020P1	-	-
8	5	C4 & C6 & C8 & C10 & C12	Capacitor, 2.2uF, Ceramic, +/-10%, X7R, (10V), (0805)	Kemet	C0805C225K8RACTU	-	80-C0805C225K8R	399-3125-1-ND
9	2	C13 & C14	Capacitor, 1500pF, (1.5nF) Ceramic +/-10%, X7R, (50V) 0805	AVX Corporation	08055C152KAT2A	-	581-08055C152K	478-1373-1-ND
10	2	C15 & C16	Capacitor, 1200pF, +/-10%, Ceramic X7R, (50V), (0805)	AVX Corporation	08055C122KAT2A	-	581-08055C122K	478-1372-1-ND
11	2	C17 & C20	Capacitor, 680pF, +/- 5% 680pF 25volts X7R 5% 0805	Vishay / Vitramon	VJ0805Y681JXXCW1BC	-	77-VJ0805Y681JXXCBC	445-7503-1-ND
12	1	C19	Capacitor, 220pF, +/- 5%, Ceramic 50V 5% NP0 0805	AVX Corporation	08055A221JAT2A	-	581-08055A221J	478-1320-1-ND
13	1	C21	Capacitor, 100pF, +/- 5%, Ceramic 16V 5% NP0 0805	AVX Corporation	0805YA101JAT2A	-	581-0805YA101JAT2A	445-1329-1-ND
14	1	C18	Capacitor, 10pF, +/- 5%, Ceramic 50V 5% NP0 0805	AVX Corporation	08055A100JAT2A	-	581-08055A100J	478-1304-1-ND
15	1	R1	Resistor 4.7K 0603			0010030P1	-	-
16	2	R2 & R8	Resistor 0 Ohm 0603			0010070P1	-	-
17	2	R5 & R6	SMD RES ARRAY 10K OHM 4 RES 1206			0040070P1	-	-
18	1	R7	SMD RES ARRAY 4.7K OHM 4 RES 1206			0040040P1	-	-
19	1	D1	Power LED Blue Clear 0603 SMD			0330060P1	-	-
20	3	D2 & D3 & D4	LED Clear Green 0603 SMD			0330010P1	-	-
21	1	D5	LED Red Diffused 0603 SMD			0330020P1	-	-
22	1	IC1	IC RFID/NFC 13.56MHz 32QFN	Texas Instruments	TRF7970ARHBT	-	595-TRF7970ARHBT	296-29476-1-ND
23	1	L1	Inductor, 150nH +/-5%, (Q = 45), (Idc = 580 mA), (1008)	Abracon	AISC-1008-R15J-T	-	815-AISC-1008-R15J	535-10541-1-ND
24	1	L2	Inductor, 330nH +/-5%, (Q = 45), (Idc = 450 mA), (1008)	Abracon	AISC-1008-R33J-T	-	815-AISC-1008-R33J	535-10545-1-ND
25	1	ANT1	U-FL-CONNECTOR			3450020P1		
26	-	X1	SMA 50 Ohm End Launch Jack Receptacle - Round Contact	JOHNSON COMPONENTS	142-0701-801	-	530-142-0701-801	J502-ND
YELLOW = DNP = Optional Do Not Populate, add it with board as kit								
BLUE = Seeed Studio Open Part Library (OPL) http://www.seeedstudio.com/wiki/Open_parts_library								