

Item	Designator	Description	Package Type	Quantity	Manufacturer	Manufacturer P/N
S1	button	button	S5.2*5.2*1.65	1		TP-11552SA
S2 S3 S4	button	button	S4.2*3.2*2.4	3		SKPPADE010
	battery	button battery	CR2032	1	SmaerPower	CR2032
R18	inductor	high frequency inductors/39NH/0603/ $\pm 5\%$	0603	1	TDK	MLG1608B39NJT
L1	inductor	high frequency inductors/82NH/0603/ $\pm 5\%$	0603	1	TDK	MLG1608B82NJT
LF1 LF2	inductor	single axis transponder inductors/2.38mh	TPL1153422	2	NEWIC	K0011001
LF3	inductor	single axis transponder inductors/2.38mh	L1224	1	NEWIC	UC1224Z232
BATT-	Electrode negative	Electrode negative	HDGP-6*8.8	1		HDGP688
C12 C13 C14	capacitor	100NF/0603/16V/X7R/ $\pm 10\%$	0603	3	SAMSUNG	CL10B104K08NNN
C16	capacitor	11PF/0603/50V/COG/ $\pm 5\%$	0603	1	SAMSUNG	CL10C110JB8NNN
C15	capacitor	22NF/0603/25V/X7R/ $\pm 10\%$	0603	1	SAMSUNG	CL10B223KA8NNN
C17	capacitor	22PF/0603/50V/COG/ $\pm 5\%$	0603	1	SAMSUNG	CL10C220JB8NNN
C20	capacitor	220PF/0603/50V/COG/ $\pm 5\%$	0603	1	SAMSUNG	CL10C221JB8NNN
C21	capacitor	22PF/0603/50V/COG/ $\pm 5\%$	0603	1	SAMSUNG	CL10C220JB8NNN
C18 C22	capacitor	33PF/0603/50V/COG/ $\pm 5\%$	0603	2	SAMSUNG	CL10C330JB8NNN
C10 C11	capacitor	470PF/0603/50V/COG/ $\pm 5\%$	0603	2	SAMSUNG	CL10C471JB8NNN
C6	capacitor	3.3PF/0603/50V/COG/ $\pm 0.25PF$	0603	1	SAMSUNG	CL10C3R3DB8NNN
C19	capacitor	5PF/0603/50V/COG/ $\pm 0.25PF$	0603	1	SAMSUNG	CL10C050CB8NNN
C7 C8 C9	capacitor	680PF/0603/50V/COG/ $\pm 5\%$	0603	1	SAMSUNG	CL10C681JB8NNN
R19	resistor	0 OHM/0603/ $\pm 5\%$	0603	1	YAGEO	RC0603JR-070RL
R15 R17	resistor	100K/0603/ $\pm 5\%$	0603	2	YAGEO	RC0603JR-07100KL
R5 R6 R7 R14 R16	resistor	10K/0603/ $\pm 6\%$	0603	5	YAGEO	RC0603JR-0710KL
R12 R13	resistor	27K/0603/ $\pm 7\%$	0603	2	YAGEO	RC0603JR-0727KL
R8 R9	resistor	39K/0603/ $\pm 8\%$	0603	2	YAGEO	RC0603JR-0739KL
R10 R11	resistor	4.7K/0603/ $\pm 9\%$	0603	2	YAGEO	RC0603JR-074K7L
Y1	crystal	crystal/9.84375Mhz	SMD5.0*3.2	1	合迅	CH353-9.84375MHz
U2	IC	ASK/FSK Transmitter 315 MHz	TSSOP-16	1	infineon	TDK5101
U1	IC	microcontroller	TSSOP-24	1	NXP	PCF7952ATT
	PCB		24.8*57.0*1.2 (mm)	1		QN-RF402X-67-Ver1.0