SMD				
References	**Unit Qty**	**IPN**	**Description**	**Placed**
SHIELD 1	1	PCBRFcraftR3	RFCraft-Rev3	
R1, R2, R4, R5, R6, R7, R8, R9, R10, R12	10	R6X103	10Kohm 0603 resistor	
R3	1	R6X750	75ohm 0603 resistor	
R11	1	R6X472	4.7K 0603 Resistor	
C2, C5, C6	3	C8X104	0.1µF 0805 Capacitor	
C3, C4	2	C12U105	1µF 1206 Capacitor	
D1	1	L12R	Red 1206 LED	
Y1	1	YS16	16MHz crystal resonator	
Q1	1	MN138	N-channel MOSFET	
I1	1	VS333	3.3V low dropout, linear regulator	
C1	1	CE3X106	10µF electrolytic capacitor 3mm SMD	
SW1, SW2	2	BS06	Tactile pushbutton switch	
IC1	1	IC328A	ATmega328	
SW4	1	SWD4	4way DIP switch array	
J1	0	ISS40	Raspberry Pi 2x20 pin thu-header SMD	

Then flash the Arduino bootloader via ICSP port				

Thru-hole				
References	**Unit Qty**	**IPN**	**Description**	**Placed**
P2–P8	1	HDT3X7	7×3 socket strip	
SW3	1	SW4PDT	4PDT switch	
P1	1		FTDI header	
P11	1	TB52	2way screw terminal	
IC2	1	RFM69HW	868MHz High output, packet radio module	

Non-soldered				
References	**Unit Qty**	**IPN**	**Description**	**Placed**
J1 (optional)	1	IS40	2x20 raspberry pi stacking header	