

Bill of Materials for RAMP_MASK_20150424.sch on Thu Apr 30 08:19:41 2015

Item	Part Name	Reference	VALUE	Qty	PCB DECAL	Description
1	6250,6250-3.6V	U2	6250-3.6V	1	SOT89	
2	2P	J1-4		4	2P/2	
3	3-COLOURLED, 3-COLOURLED	LED1	3-COLOURED	1	3-LED-K	
4	BATTERY,6V	BT1	6V	1	2P254	Battery
5	CAP,100PF	C1	100PF	1	C0603	Capacitor
6	CAP,104P	C3-4 C7 C12-13 C21-22 C25-27 C33	104P	11	C0603	Capacitor
7	CAPACITOR_POL, 100uF	C5-6	100uF	2	10UF	Capacitor
8	CAPACITOR_POL, 220UF	C2	220UF	1	EC6	Capacitor
9	CON4	J5		1	4P-1.5	Connector
10	CON4,BLEISP	ISP1	BLEISP	1	4P-1.5	Connector
11	CON4,UART	UART1	UART	1	4P-1.5	Connector
12	CON5	J2-1-2		2	5P-1.5	Connector
13	CON6	J1-1-2		2	6P-1.5	Connector
14	GPC11024AV10	U1		1	GPC11024AV10	
15	IR_RECEIVE, HEAD	U4	HEAD	1	REC	
16	IR_RECEIVE, TAIL	U5	TAIL	1	REC	
17	LED,IR GUN	D7	IR GUN	1	LED-3	
18	LED,TSAL6400	D1-6	TSAL6400	6	LED-3	
19	M	M1-2		2	M	
20	MOSFET_N, CE2302	Q29	CE2302	1	SOT-23N	
21	MOSFET_P, CE2301	Q1 Q19 Q23	CE2301	3	SOT-23N	
22	NPN,3904	Q2 Q18 Q22	3904	3	SOT-23N	NPN Transistor
23	NPN,8050D	Q24 Q30	8050D	2	SOT-23N	NPN Transistor
24	NRF51822_A24, NRF51822_A24	U3	NRF51822_A24	1	BLE-NRF51822	NRF51822_A24
25	P,1k	T1K1-14	1k	14	PAD	
26	PNP,8550D	Q31-32	8550D	2	SOT-23P	PNP Transistor
27	RES,100R	R1-2	100R	2	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
28	RES,10K	R15 R44 R55	10K	3	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
29	RES,120R	R72	120R	1	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
30	RES,150R	R74	150R	1	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
31	RES,1K	R13-14 R43 R46 R54 R57 R76-78	1K	9	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
32	RES,1R	R3 R7 R12	1R	3	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
33	RES,200K 1%	R25	200K 1%	1	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
34	RES,20R	R62	20R	1	R0805	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
35	RES,22K	R79 R81	22K	2	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
36	RES,33R	R47	33R	1	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
37	RES,43R	R58-60	43R	3	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
38	RES,47K	R16 R45 R56	47K	3	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
39	RES,47R	R73 R80 R82	47R	3	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
40	RES,5.6R	R75	5.6R	1	1206A	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
41	RES,510R	R65	510R	1	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
42	RES,51K 1%	R49 R63-64	51K 1%	3	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
43	RES,75K 1%	R26	75K 1%	1	R0603	SURFACE MOUNT RESISTOR 0.020 X 0.040 INCHES, 1/16W
44	RES1,DNI	R4-6 R8-11	DNI	7	SR0402	Resistor
45	S321,S321	U10	S321	1	SOT23-5	S321
46	SS2D13G4, SK-22D13	SW4	SK-22D13	1	SK-23D05	
47	SW-PB	SW2-3		2	SR0402	