RP24RA9D Part List

	71	RP24RA9D Part List					
1	Item	Reference	Qty	Part Name	Description	VALUE	
ANT				·	·	•	
A				·	·		
1	3	ANT	1	2.45GHz ANTTENA WIRE_ANT	_	2.4GHz	
Filt	4	U2	1	8-Bit Microcontroller (MCU)	-	MEGA48V	
The content of the	5	CON1	1			CHANNEL 7	
Balun(100ehm)	6	FL1	1	2.4GHz Band Pass Filter	DWF2R2440G04	DWF-244	
9	7	U1	1	MG2455-F48	MG2455-F48 QFN48	MG2455-F48	
10	8	BL3	1	LDB15C101A2400	LDB212G4010C-001	Balun(100ohm)	
11	9	C3, C4, C8, C15	4	C1005COG104J050T050D	GRM155R71C104KA88D	0.1uF	
10	10	C12, C25	2	C1005COG103J050T050D	GRM155R71C103KA01D	10nF	
12	11		6	C1005COG100J050T050D	GRM1555C1H100JZ01D	10pF	
14	12		2	C1005COG130J050T050D	GRM1555C1H130JZ01D	13pF	
C20, C21, C23, C24, C30, C32, C33, C34, C37	13	C36	1	C1005COG153J050T050D	GRM155R71C153KA01D	15nF	
15 C30, C32, C33, C34, C37 9 C1005COG221J050T050D GRM1555C1H221JZ01D 220pF 16 C29 1 C1005COG8R2J050T050D GRM155C1H8R2JZ01D 8.2pF 17 L2, L3 2 82nH +-5% LQG15H582NJ02D 82nH 18 R8, R9, R10, R13, R14, R15, R16, R18, R19 GR0402 471R 5% 470ohm REEL CR020471J002 470 20 R3 1 CR0402 103R 5% 10Kohm REEL CR020103J002 10K 21 R21, R4, R5 3 CR0402 15AK 5% 150Kohm REEL CR020154J002 220 22 R17 1 CR0402 221R 5% 220ohm REEL CR020221J002 82K 23 C11, C13 2 GRM188R60J106ME47D GRM39-035 X5R 106M 6.3V 10uF/6.3V 24 L1 1 LG HK 1608 3N95-T LG HK 1608 3N95-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED NY5-165-RXWF RED 27 LED1 1 1608 WHITE	14	C1, C5	2	C1005COG180J050T050D	GRM155C1H180JZ01D	18pF	
17 L2, L3 2 82nH +-5% LQG15HS82NJ02D 82nH 18 R8, R9, R10, R13, R14, R15, R16, R18, R19 9 CR0402 471R 5% 470ohm REEL CR02047LJ002 470 20 R3 1 CR0402 103R 5% 10Kohm REEL CR020103J002 10K 21 R3 1 CR0402 154R 5% 150Kohm REEL CR020154J002 150K 21 R21, R4, R5 3 CR0402 221R 5% 220ohm REEL CR020221J002 220 22 R17 1 CR0402 823R 5% 82Kohm REEL CR020823J002 82K 23 C11, C13 2 GRM188R601106ME47D GRM39-035 X5R 106M 63V 10uF/6.3V 24 L1 1 LG HX 1608 3N9S-T LG HX 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336	15	C30, C32, C33, C34,	9	C1005COG221J050T050D	GRM1555C1H221JZ01D	220pF	
18 R8, R9, R10, R13, R14, R15, R16, R18, R19 9 CR0402 471R 5% 470ohm REEL CR020471J002 470 19 R1, R11, R20 3 CR0402 103R 5% 10Kohm REEL CR020103J002 10K 20 R3 1 CR0402 154R 5% 150Kohm REEL CR020154J002 150K 21 R21, R4, R5 3 CR0402 221R 5% 220ohm REEL CR020221J002 220 22 R17 1 CR0402 823R 5% 82Kohm REEL CR02022JJ002 82K 23 C11, C13 2 GRM188R60J106ME47D GRM39-035 X5R 106M 6.3V 10uF/6.3V 24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 237/63 3527 CAP TANTAL 336/16V 3527 33uf/16V 3527 30 SW2 <td>16</td> <td>C29</td> <td>1</td> <td>C1005COG8R2J050T050D</td> <td>GRM155C1H8R2JZ01D</td> <td>8.2pF</td>	16	C29	1	C1005COG8R2J050T050D	GRM155C1H8R2JZ01D	8.2pF	
18 R14, R15, R16, R18, R19 9 CR0402 471R 5% 470ohm REEL CR020471J002 470 19 R1, R11, R20 3 CR0402 103R 5% 10Kohm REEL CR020103J002 10K 20 R3 1 CR0402 154R 5% 150Kohm REEL CR020154J002 150K 21 R21, R4, R5 3 CR0402 221R 5% 220ohm REEL CR02022JJ002 220 22 R17 1 CR0402 823R 5% 82Kohm REEL CR020823J002 82K 23 C11, C13 2 GRM188R60J106ME47D GRM39-035 X5R 106M 6.3V 10uF/6.3V 24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/63 3527 CAP TANTAL 336/16V 3527 33uf/16V 3527 30 SW2 1 SKRE (RA) <t< td=""><td>17</td><td>L2, L3</td><td>2</td><td>82nH +-5%</td><td>LQG15HS82NJ02D</td><td>82nH</td></t<>	17	L2, L3	2	82nH +-5%	LQG15HS82NJ02D	82nH	
19 R1, R11, R20 3 REEL CR020103J002 10K 20 R3 1 CR0402 154R 5% 150Kohm REEL CR020154J002 150K 21 R21, R4, R5 3 CR0402 221R 5% 220ohm REEL CR020221J002 220 22 R17 1 CR0402 823R 5% 82Kohm REEL CR020823J002 82K 23 C11, C13 2 GRM188R60J106ME47D GRM39-035 X5R 106M 6.3V 10uF/6.3V 24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET	18	R14, R15, R16, R18,	9		CR020471J002	470	
20 R3 1 REEL CR020154J002 150K 21 R21, R4, R5 3 CR0402 221R 5% 220ohm REEL CR020221J002 220 22 R17 1 CR0402 823R 5% 82Kohm REEL CR020823J002 82K 23 C11, C13 2 GRM188R60J106ME47D GRM39-035 X5R 106M 6.3V 10uF/6.3V 24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 3uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET </td <td>19</td> <td>R1, R11, R20</td> <td>3</td> <td></td> <td>CR020103J002</td> <td>10K</td>	19	R1, R11, R20	3		CR020103J002	10K	
21 R21, R4, R5 3 REEL CR020221J002 220 22 R17 1 CR0402 823R 5% 82Kohm REEL CR020823J002 82K 23 C11, C13 2 GRM188R60J106ME47D GRM39-035 X5R 106M 6.3V 10uF/6.3V 24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L	20	R3	1		CR020154J002	150K	
22 R17 1 REEL CR020823J002 82K 23 C11, C13 2 GRM188R60J106ME47D GRM39-035 X5R 106M 6.3V 10uF/6.3V 24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB	21	R21, R4, R5	3		CR020221J002	220	
24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V <	22	R17	1		CR020823J002	82K	
24 L1 1 LG HK 1608 3N9S-T LG HK 1608 3N9S-T 3.9nH 25 LED3 1 1608 Pure Green TG102 P-GREEN 26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V <	23	C11, C13	2		GRM39-035 X5R 106M 6.3V	10uF/6.3V	
26 LED2 1 1608 RED IWS-165-RXWF RED 27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	24	L1	1	LG HK 1608 3N9S-T	LG HK 1608 3N9S-T	3.9nH	
27 LED1 1 1608 WHITE TWH104-H WHITE 28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	25	LED3	1	1608 Pure Green	TG102	P-GREEN	
28 C16, C17 2 CAP TANTAL 227/6.3 3527 CAP TANTAL 227/6.3 3527 220uF/6.3V 29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	26	LED2	1	1608 RED	IWS-165-RXWF	RED	
29 C10 1 CAP TANTAL 336/16V 3527 CAP TANTAL 336/16V 3527 33uF/16V 30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	27	LED1	1	1608 WHITE	TWH104-H	WHITE	
30 SW2 1 SKRE (RA) Side push (RA) FALE SAFE 31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM 7527XB ELM 7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	28	C16, C17	2	CAP TANTAL 227/6.3 3527	CAP TANTAL 227/6.3 3527	220uF/6.3V	
31 SW1 1 SKQM (ST) Top push (ST) ID SET 32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	29	C10	1	CAP TANTAL 336/16V 3527	CAP TANTAL 336/16V 3527	33uF/16V	
32 SD3 1 Schottky Diode 1.5A SMF SMFB23L-RTK/P SMFB23L 33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	30	SW2	1	SKRE (RA)	Side push (RA)	FALE SAFE	
33 U3 1 ELM 7527XB SOT23 ELM7527XB ELM7527XB 34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	31	SW1	1	SKQM (ST)	Top push (ST)	ID SET	
34 X2 1 16MHz FL160003 16MHz FL160003 10PPM 16.000MHz 35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	32	SD3	1	Schottky Diode 1.5A SMF	SMFB23L-RTK/P	SMFB23L	
35 C35 1 CAP TANTAL 105/10V 2012 TCSCN1A2012KPAR 10uF/10V 36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	33	U3	1	ELM 7527XB SOT23	ELM7527XB	ELM7527XB	
36 U4 1 XC6202 SOT-89 REEL XC6202P332PR 3.3V/150mA	34	X2	1	16MHz FL160003	16MHz FL160003 10PPM	16.000MHz	
	35	C35	1	CAP TANTAL 105/10V 2012	TCSCN1A2012KPAR	10uF/10V	
37 X3 1 7.3728MHz GX-750 7.3728MHz GX-750 7.3728MHz	36	U4	1	XC6202 SOT-89 REEL	XC6202P332PR	3.3V/150mA	
	37	Х3	1	7.3728MHz GX-750	7.3728MHz GX-750	7.3728MHz	

