

RP24RA9D Part List

Item	Reference	Qty	Part Name	Description	VALUE
1	CON4	1	1.27mm_6pin_3X2	1.27mm_6pin_3X2	1.27mm_6pin_3X2
2	CON3	1	1.27mm_6pin_3X2	1.27mm_6pin_3X2	1.27mm_6pin_3X2
3	ANT	1	2.45GHz ANTENNA WIRE_ANT	2.45_ANT	2.4GHz
4	U2	1	8-Bit Microcontroller (MCU)	AVR MCU ATmega48V-10MU (MLF 32M1-A)	MEGA48V
5	CON1	1			CHANNEL 7
6	FL1	1	2.4GHz Band Pass Filter	DWF2R2440G04	DWF-244
7	U1	1	MG2455-F48	MG2455-F48 QFN48	MG2455-F48
8	BL3	1	LDB15C101A2400	LDB212G4010C-001	Balun(100ohm)
9	C3, C4, C8, C15	4	C1005COG104J050T050D	GRM155R71C104KA88D	0.1uF
10	C12, C25	2	C1005COG103J050T050D	GRM155R71C103KA01D	10nF
11	C2, C9, C14, C18, C19, C31	6	C1005COG100J050T050D	GRM1555C1H100JZ01D	10pF
12	C6, C7	2	C1005COG130J050T050D	GRM1555C1H130JZ01D	13pF
13	C36	1	C1005COG153J050T050D	GRM155R71C153KA01D	15nF
14	C1, C5	2	C1005COG180J050T050D	GRM155C1H180JZ01D	18pF
15	C20, C21, C23, C24, C30, C32, C33, C34, C37	9	C1005COG221J050T050D	GRM1555C1H221JZ01D	220pF
16	C29	1	C1005COG8R2J050T050D	GRM155C1H8R2JZ01D	8.2pF
17	L2, L3	2	82nH +-5%	LQG15HS82NJ02D	82nH
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	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
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
37	X3	1	7.3728MHz GX-750	7.3728MHz GX-750	7.3728MHz