

AR168M VOIP BOM

NO	Code	Qty.	Description	Value	Tolerance	Part Reference	Manufacturer	Manufacturer Part Number
1	10500005	1	Chip Resistor,5%-0603-1/10W-0 Ω	0	5%	L3		NA
2	10502005	1	Chip Resistor,5%-0603-1/10W-200 Ω	200	5%	R1	NA	NA
3	10511005	3	Chip Resistor,5%-0603-1/10W-1K	1K	5%	R2,R6,R14	NA	NA
4	10512205	2	Chip Resistor,5%-0603-1/10W-2.2K	2.2K	5%	R4,R7	NA	NA
5	10516191	1	Chip Resistor,1%-0603-1/10W-6.19K Ω	6.19K	1%	R18	NA	NA
6	10521005	4	Chip Resistor,5%-0603-1/10W-10K Ω	10K	5%	R5,R10,R15,R17	NA	NA
7	10522705	1	Chip Resistor,5%-0603-1/10W-27K Ω	27K	5%	R11	NA	NA
8	10531005	2	Chip Resistor,5%-0603-1/10W-100K Ω	100K	5%	R8,R16	NA	NA
9	10531505	1	Chip Resistor,5%-0603-1/10W-150K Ω	150K	5%	R3	NA	NA
10	10594991	2	Chip Resistor,1%-0603-1/10W-49.9R	49.9	1%	R12,R13	NA	NA
11	20601850	4	Ceramic CAP, 18pF-5%-50V-0603-COG	18P	5%	C1,C2,C26,C27	NA	NA
12	20631052	3	Ceramic CAP, 0.1uF-10%-50V-0603-X7R	0.01U	10%	C5,C32,C35	NA	NA
13	20641052	24	Ceramic CAP, 0.1uF-10%-50V-0603-X7R	0.1U	10%	C4,C6,C7,C8,C10,C12,C14,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C28,C29,C30,C31,C33,C34,C37	NA	NA
14	20644719	1	Ceramic CAP, 0.47uF_-20%~80%-16V-0603-Y5V	0.47U	-20~80%	C3	NA	NA
15	20651019	1	Ceramic CAP, 1uF_-20%~80%-16V-0603-Y5V	1U	-20~80%	C39	NA	NA
16	22101061	2	Tantalum CAP, 10uF-20%-6.3V-CASE_A	10U	20%	C11,C15	NA	NA
17	22211061	3	Tantalum CAP, 100uF-20%-6.3V-CASE_B	100U	20%	C9,C36,C38	NA	NA
18	31005031	2	Bead, 50mA, DCR<0.9 Ω , 1500 Ω @100M, 0603	50mA		L1,L2	风华	CBG0603_152
19	31016041	1	Bead, 600mA, DCR<0.2 Ω , 19 Ω @100M, 0805	600mA		L4	风华	CBG0805_190
20	35011020	1	Ethernet transformer, 10/100Base-T, smt	H16101MC		U6	M-TEK	H16101MC
21	40441480	1	Diode, 1N4148, 100V, 200mA, 4nS, LL-34	FDLL4148		D2	Fairchild Semiconductor	FDLL4148
22	41550850	1	LED, Green, 0805	GreenLed		D1	NA	NA
23	45085500	3	Transistor, PNP, -20V, -500mA, SOT-23	8550		Q2,Q3,Q5	DC Components	DMBT8550
24	45190140	3	Transistor, NPN, 45V, 100mA, SOT-23	9014		Q1,Q4,Q6	DC Components	DMBT9014
25	52322095	1	IC, Flash 2M*8, 90nS, 5V, TSSOP-40	MT28F016S5VG-		U4	Micron	MT28F016S5VG-9
26	53280190	1	IC, Ethernet controller, 10M, 5V, PQFP100	RTL8019AS		U5	RealTek	RTL8019AS
27	54062060	1	LDO, 1.5V, 250mA, 2%, SOT-23	XPC6206P152M		U3	TOREX	XPC6206P152M
28	55220970	1	SOC, AR1688, LQFP100	AR1688		U1	PalmMicro	AR1688
29	71922001	1	Crystal, 20.000MHz, 50ppm, 12pF, SMD	AS-20.000M		Y2	NA	AS-20.000-12-F-SMD
30	71922401	1	Crystal, 24.000MHz, 50ppm, 12pF, SMD	AS-24.000M		Y1	NA	AS-24.000-12-F-SMD