

**PARTLIST OF OF 2.4 GHz RLAN TRANSCEIVERS,
BRAND NO WIRES NEEDED,
-TYPE PARROT 1100; WIRELESS ACCESS POINT,
-TYPE PELICAN 1100; WIRELESS STATION ADAPTER,
-TYPE WB-S1100; WIRELESS BRIDGE SERVER,
-TYPE WB-C1100; WIRELESS BRIDGE CLIENT**

FCC ID: OGD 10310308

Accredited by	:	STERLAB accreditation number L029 D.A.R., TTI-P-G.127/96-00
Competent body	:	Article 10-2 EMC Directive
Notified body	:	Article 10-5 EMC Directive Low Voltage Directive Number 0122 TTE Directive
Designated laboratory	:	TTE Directive
Notified test service	:	Automotive Directive
FCC listed	:	31040/SIT
VCCI listed	:	R 592 and C 507
Certification body	:	Electrical Products Safety Regulation Hong Kong

Nederlands Meetinstituut

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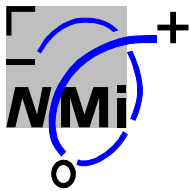
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FCC ID: OGD 10310308
Description of EUT: 2.4 GHz RLAN Transceivers
Manufacturer: No Wires Needed B.V.
Brand mark: No Wires Needed B.V.
Types: Parrot 1100, Pelican 1100,
WB-S1100, WB-C1100

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1. Parts list

Manufacturer	Part number	Commodity	Type	Value	Tolerance	Mechanical	Reference	Qty/unit
Faber Electronics	MAC1100	PCB	MAC board					1
Faber Electronics	PHY1100	PCB	PHY board					1
Faber Electronics	LED1100	PCB	LED board					1
Ruco	AP1100SHIELDLOW	Metal case	Lower part					1
Ruco	AP1100SHIELDTOP	Metal case	Top cover					1

Manufacturer	Part number	Commodity	Type	Value	Tolerance	Mechanical	Reference	Qty/unit
Alco	TPA11CGRA0	Switch	Push button	Single			S1	1
Alco	A101MD9AV2Q	Switch	Toggle	Right angle			S2	1
AMD	AM79C961AKCIW	Ethernet controller					U2	1
AMP	0-0555153-1	Connector	RJ45				K1	1
AVX	08053A560JAT00J	Capacitor	Ceramic, C0G	56pF, 25V	5%	0805	C4	2
AVX	08053A560JAT00J	Capacitor	Ceramic, C0G	56pF, 25V	5%	0805	C5	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C1	13
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C13	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C14	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C15	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C16	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C17	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C18	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C19	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C20	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C21	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C22	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C23	
AVX	0805YC103KAT00J	Capacitor	Ceramic, X7R	10nF, 16V	10%	0805	C24	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C2	17
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C27	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C28	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C29	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C3	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C32	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C33	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C34	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C35	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C25	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C26	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C36	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C39	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C40	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C41	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C42	
AVX	0805YC104KAT00J	Capacitor	Ceramic, X7R	100nF, 16V	10%	0805	C43	
AVX	08053A100JAT00J	Capacitor	Ceramic, C0G	10pF, 25V	5%	0805	C12	1
AVX	08053A150JAT00J	Capacitor	Ceramic, C0G	15pF, 25V	5%	0805	C11	1
AVX	TAJD226K020R	Capacitor	Tantal	22uF, 20V	10%	TAJD	C30	3
AVX	TAJD226K020R	Capacitor	Tantal	22uF, 20V	10%	TAJD	C31	
AVX	TAJD226K020R	Capacitor	Tantal	22uF, 20V	10%	TAJD	C37	
Bussman	3216CP-2A	Fuse		2A			F1	1
Cypress	CY7C1049-20VC	Memory	SRAM	512Kx8	20ns		U6	4
Cypress	CY7C1049-20VC	Memory	SRAM	512Kx8	20ns		U7	
Cypress	CY7C1049-20VC	Memory	SRAM	512Kx8	20ns		U8	
Cypress	CY7C1049-20VC	Memory	SRAM	512Kx8	20ns		U9	
Faber Electronics	AP1100MACPCB		4-layer epoxy					1
Kycon	KLD-0202-A (=NEB 1R)	Connector	DC Power Jack	2.0mm			K5	1
Maxim	MAX813LCSA	Reset Generator / Watchdog					U1	1
Multicomp	2W005	Rectifier	Bridge				U24	1
Murata	NFM46P11C155	EMI	Filter	1.5uF			U16	1
National	LM340T-5.0 (=7805)	Linear	Volt Reg	5V		TO-220	U15	1
National	DM74LS04M	Digital logic	Hex inverter			SOIC-14	U13	1
Rohm	MCR10EZHFJ101	Resistor	Thick Film	100R	5%	1206	L1	1
Stewart	25Z1210-0S0	Ferrite		60R @ 100MC	25%		L2	6
Stewart	25Z1210-0S0	Ferrite		60R @ 100MC	25%		L3	
Stewart	25Z1210-0S0	Ferrite		60R @ 100MC	25%		L4	
Stewart	25Z1210-0S0	Ferrite		60R @ 100MC	25%		L5	
Stewart	25Z1210-0S0	Ferrite		60R @ 100MC	25%		L6	
Stewart	25Z1210-0S0	Ferrite		60R @ 100MC	25%		L7	
Philips	2222 021 90518	Capacitor	Electrolytic	1000uF, 16V	20%		C38	1
Pulse	PE68025	10Base-T module					U3	1
Raltron	CO6100-32.000-T	Freq Control	Oscillator	32MHz, 5V	100ppm	DIP-8	X2	1
Raltron	A-20.000-20	Freq Control	Crystal	20MHz	50ppm	HC-49/U	X1	1
Rohm	MCR10EZHF40R2	Resistor	Thick Film	40R2	1%	0805	R1	4
Rohm	MCR10EZHF40R2	Resistor	Thick Film	40R2	1%	0805	R2	
Rohm	MCR10EZHF40R2	Resistor	Thick Film	40R2	1%	0805	R3	
Rohm	MCR10EZHF40R2	Resistor	Thick Film	40R2	1%	0805	R4	
Rohm	MCR10EZHJ273	Resistor	Thick Film	27k	5%	0805	R15	5
Rohm	MCR10EZHJ273	Resistor	Thick Film	27k	5%	0805	R16	
Rohm	MCR10EZHJ273	Resistor	Thick Film	27k	5%	0805	R17	
Rohm	MCR10EZHJ273	Resistor	Thick Film	27k	5%	0805	R22	
Rohm	MCR10EZHJ273	Resistor	Thick Film	27k	5%	0805	R23	
Rohm	MCR10EZHJ332	Resistor	Thick Film	3k3	5%	0805	R19	1
Rohm	MCR10EZHJ4R7	Resistor	Thick Film	4R7	5%	0805	R18	1
Samtec	SFM-115-02-S-D-LC	30 pol I/O con					K3	1
Samtec	ICA-632-STT	Socket	DIP	32 pins		DIP-32	U14	1
Samtec	ASP-17587-01-S	7-pin connector	special for No Wires Needed				K4	1
UMC	UM611024BSW-15	Memory	SRAM	128K x 8	15ns		U5	1
Xilinx	XCS10-3VQ100C	FPGA					U25	1
VLSI	VPS10101-1	CPU	32bit	Ruby II		TQFP176	U12	1
AMD	AM29F040B-120PC	Memory	Flash	512Kx8	120ns	DIP-32	U14 (socketed)	1
		Heat sink				TO-220		1
		Rivet	M3					1

Manufacturer	Part number	Commodity	Type	Value	Tolerance	Mechanical	Reference	Qty/unit
Allied	MLC10-2R2K	Inductor	Multilayer chip	2.2 uH		0805	L26	2
Allied	MLC10-2R2K	Inductor	Multilayer chip	2.2 uH		0805	L27	
Amphenol	908-22100	Connector	Coaxial RF	MMCX Card Edge		SMT	U1	2
Amphenol	908-22100	Connector	Coaxial RF	MMCX Card Edge		SMT	U27	
AVX	04023A3R3CAT2A	Capacitor	Ceramic, C0G	3.3pF	+/-25pF	SMT	C135	1
AVX	04023A5R0CAT2A	Capacitor	Ceramic, C0G	5pF, 25V	+/-25pF	0402	C114	3
AVX	04023A5R0CAT2A	Capacitor	Ceramic, C0G	5pF, 25V	+/-25pF	0402	C125	
AVX	04023A5R0CAT2A	Capacitor	Ceramic, C0G	5pF, 25V	+/-25pF	0402	C126	
AVX	04023A5R6CAT2A	Capacitor	Ceramic, C0G	5.6pF, 25V	+/-25pF	0402	C93	2
AVX	04023A5R6CAT2A	Capacitor	Ceramic, C0G	5.6pF, 25V	+/-25pF	0402	C94	
AVX	04023A6R8JAT2A	Capacitor	Ceramic, C0G	6.8pF, 25V	5%	0402	C118	1
AVX	04023A150JAT2A	Capacitor	Ceramic, C0G	15pF, 25V	5%	0402	C88	2
AVX	04023A150JAT2A	Capacitor	Ceramic, C0G	15pF, 25V	5%	0402	C89	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C58	11
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C101	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C103	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C106	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C111	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C112	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C133	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C134	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C71	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C72	
AVX	04023A220JAT2A	Capacitor	Ceramic, C0G	22pF, 25V	5%	0402	C96	
AVX	04023A470JAT2A	Capacitor	Ceramic, C0G	47pF, 25V	5%	0402	C18	4
AVX	04023A470JAT2A	Capacitor	Ceramic, C0G	47pF, 25V	5%	0402	C44	
AVX	04023A470JAT2A	Capacitor	Ceramic, C0G	47pF, 25V	5%	0402	C45	
AVX	04023A470JAT2A	Capacitor	Ceramic, C0G	47pF, 25V	5%	0402	C52	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C56	28
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C57	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C59	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C61	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C41	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C42	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C46	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C113	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C119	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C131	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C132	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C19	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C20	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C39	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C40	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C47	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C49	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C50	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C55	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C63	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C64	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C77	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C79	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C84	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C85	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C87	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C90	
AVX	04023A101JAT2A	Capacitor	Ceramic, C0G	100pF, 25V	5%	0402	C91	
AVX	04023C471JAT2A	Capacitor	Ceramic, X7R	470pF, 25V	5%	0402	C109	3
AVX	04023C471JAT2A	Capacitor	Ceramic, X7R	470pF, 25V	5%	0402	C68	
AVX	04023C471JAT2A	Capacitor	Ceramic, X7R	470pF, 25V	5%	0402	C95	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C70	14
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C83	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C97	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C100	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C104	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C105	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C107	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C108	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C110	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C127	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C128	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C130	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C98	
AVX	04023C102KAT2A	Capacitor	Ceramic, X7R	1nF, 25V	10%	0402	C99	
AVX	04023C122KAT2A	Capacitor	Ceramic, X7R	1.2nF, 25V	10%	0402	C75	1
AVX	04023C222KAT2A	Capacitor	Ceramic, X7R	2.2nF, 25V	10%	0402	C78	1
AVX	04023C562KAT2A	Capacitor	Ceramic, X7R	5.6nF, 25V	10%	0402	C81	1
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C124	14
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C26	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C27	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C28	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C29	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C30	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C31	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C32	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C33	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C37	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C38	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C51	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C76	
AVX	0402YC103KAT2A	Capacitor	Ceramic, X7R	10nF, 16V	10%	0402	C80	

AVX	06033C682KAT2A	Capacitor	Ceramic, X7R	6.8nF, 25V	10%	0603	C73	1
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C10	27
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C11	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C117	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C12	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C120	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C121	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C122	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C123	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C129	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C13	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C15	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C16	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C17	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C24	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C25	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C34	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C35	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C36	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C43	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C48	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C54	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C60	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C62	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C66	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C69	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C9	
AVX	0603YC104KAT2A	Capacitor	Ceramic, X7R	100nF, 16V	10%	0603	C92	
AVX	0805YC563JAT2A	Capacitor	Ceramic, X7R	56nF, 16V	5%	0805	C82	1
AVX	08053C683KAT2A	Capacitor	Ceramic, X7R	68nF, 25V	10%	0805	C74	1
AVX	TAJS475K6R3R	Capacitor	Tantalum	4.7uF, 6.3V	10%	SMTS	C115	6
AVX	TAJS475K6R3R	Capacitor	Tantalum	4.7uF, 6.3V	10%	SMTS	C116	
AVX	TAJS475K6R3R	Capacitor	Tantalum	4.7uF, 6.3V	10%	SMTS	C21	
AVX	TAJS475K6R3R	Capacitor	Tantalum	4.7uF, 6.3V	10%	SMTS	C22	
AVX	TAJS475K6R3R	Capacitor	Tantalum	4.7uF, 6.3V	10%	SMTS	C53	
AVX	TAJS475K6R3R	Capacitor	Tantalum	4.7uF, 6.3V	10%	SMTS	C67	
AVX	TAJT475K010R	Capacitor	Tantalum	4.7uF, 10V	10%	SMTT	C23	2
AVX	TAJT475K010R	Capacitor	Tantalum	4.7uF, 10V	10%	SMTT	C65	
AVX	TAJT106K010R	Capacitor	Tantalum	10uF, 10V	10%	SMTT	C14	1
Faber Electronics	AP110PHYPCB		6-layer epoxy					1
Harris	HFA3424IB	Wireless/RF	LNA			SOIC-8	U10	2
Harris	HFA3424IB	Wireless/RF	LNA			SOIC-8	U13	
Harris	HFA3524IA	Wireless/RF	Synth			TSSOP-20	U9	1
Harris	HFA3624IA	Wireless/RF	Prescaler, IF/RF			SSOP-28	U16	1
Harris	HFA3724IN	Wireless/RF	Mod/Demod			TQFP-80	U8	1
Harris	HFA3860IV	Wireless/RF	Baseband processor			TQFP-48	U4	1
Harris	HFA3925IA96	Wireless/RF	LNA			SSOP-28	U15	1
Harris	ICL7660SIBA-T	Linear	Super voltage converter			SOIC-8	U17	1
International Rectifiers	IRLML6302	MOSFET	HEXFET Power			SOT-23	U14	2
International Rectifiers	IRLML6302	MOSFET	HEXFET Power			SOT-23	U38	
Macom	SW-356	Switch	RF	2.4-2.5GHz		SOIC-8	U28	1
Motorola	KKN1332A	Freq Control	VCO	2.1GHz		SMT	U26	1
Motorola	MMBT2222ALT1	Transistor	BJT-NPN			SOT-23	Q3	2
Motorola	MMBT2222ALT1	Transistor	BJT-NPN			SOT-23	Q4	
Motorola	MMBT2907ALT1	Transistor	BJT-PNP			SOT-23	Q2	1
Murata	BLM11A601S	Inductor	Ferrite Bead	600R @ 100 MHz		0603	L10	7
Murata	BLM11A601S	Inductor	Ferrite Bead	600R @ 100 MHz		0603	L11	
Murata	BLM11A601S	Inductor	Ferrite Bead	600R @ 100 MHz		0603	L13	
Murata	BLM11A601S	Inductor	Ferrite Bead	600R @ 100 MHz		0603	L17	
Murata	BLM11A601S	Inductor	Ferrite Bead	600R @ 100 MHz		0603	L21	
Murata	BLM11A601S	Inductor	Ferrite Bead	600R @ 100 MHz		0603	L5	
Murata	BLM11A601S	Inductor	Ferrite Bead	600R @ 100 MHz		0603	L9	
Murata	LFJ30-03B2442B084	Filter	RF	2442MHz		SMT	U19	2
Murata	LFJ30-03B2442B084	Filter	RF	2442MHz		SMT	U20	
Murata	LQP11A12NG00	Inductor	Chip	12nH	2%	0603	L8	3
Murata	LQP11A12NG00	Inductor	Chip	12nH	2%	0603	L15	
Murata	LQP11A12NG00	Inductor	Chip	12nH	2%	0603	L14	
no pop	no pop	no pop	no pop	no pop	no pop	no pop	R39	1
no pop	no pop	no pop	no pop	no pop	no pop	no pop	C86	1
no pop	no pop	no pop	no pop	no pop	no pop	no pop	C102	1
Philips	BFR505	Transistor	BJT-NPN	9GHz Wideband		SOT-23	Q1	1
Raltron	CO43025-22.000	Freq Control	Oscillator	22MHz, 3.3V	25ppm	SMT	U11	1
Raltron	CO48025-44.000	Freq Control	Oscillator	44MHz, 5V	25ppm	SMT	U5	1
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R11	12
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R12	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R16	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R37	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R38	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R40	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R47	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R48	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R49	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R51	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R8	
Rohm	MCR01MZSJ0R00	Resistor	Thick Film	0	5%	0402	R9	
Rohm	MCR01MZSJ100	Resistor	Thick Film	10	5%	0402	R20	2
Rohm	MCR01MZSJ100	Resistor	Thick Film	10	5%	0402	R36	
Rohm	MCR01MZSJ220	Resistor	Thick Film	22	5%	0402	R41	2
Rohm	MCR01MZSJ220	Resistor	Thick Film	22	5%	0402	R42	
Rohm	MCR01MZSJ510	Resistor	Thick Film	51	5%	0402	R35	1
Rohm	MCR01MZSJ560	Resistor	Thick Film	56	5%	0402	R21	1
Rohm	MCR01MZSJ680	Resistor	Thick Film	68	5%	0402	R22	3

Rohm	MCR01MZSJ680	Resistor	Thick Film	68	5%	0402	R34	
Rohm	MCR01MZSJ680	Resistor	Thick Film	68	5%	0402	R50	
Rohm	MCR01MZSJ101	Resistor	Thick Film	100	5%	0402	R17	3
Rohm	MCR01MZSJ101	Resistor	Thick Film	100	5%	0402	R23	
Rohm	MCR01MZSJ101	Resistor	Thick Film	100	5%	0402	R28	
Rohm	MCR01MZSF2610	Resistor	Thick Film	261	1%	0402	R14	1
Rohm	MCR01MZSJ561	Resistor	Thick Film	560	5%	0402	R19	1
Rohm	MCR01MZSJ681	Resistor	Thick Film	680	5%	0402	R25	1
Rohm	MCR01MZSF7150	Resistor	Thick Film	715	1%	0402	R56	2
Rohm	MCR01MZSF7150	Resistor	Thick Film	715	1%	0402	R58	
Rohm	MCR01MZSJ751	Resistor	Thick Film	750	5%	0402	R29	1
Rohm	MCR01MZSJ821	Resistor	Thick Film	820	5%	0402	R54	1
Rohm	MCR01MZSF9090	Resistor	Thick Film	909	1%	0402	R13	1
Rohm	MCR01MZSJ102	Resistor	Thick Film	1k	5%	0402	R15	1
Rohm	MCR01MZSJ132	Resistor	Thick Film	1k3	5%	0402	R24	1
Rohm	MCR01MZSJ152	Resistor	Thick Film	1k5	5%	0402	R30	2
Rohm	MCR01MZSJ152	Resistor	Thick Film	1k5	5%	0402	R33	
Rohm	MCR01MZSJ202	Resistor	Thick Film	2k	5%	0402	R32	2
Rohm	MCR01MZSJ202	Resistor	Thick Film	2k	5%	0402	R43	
Rohm	MCR01MZSF3011	Resistor	Thick Film	3k01	1%	0402	R57	2
Rohm	MCR01MZSF3011	Resistor	Thick Film	3k01	1%	0402	R59	
Rohm	MCR01MZSJ392	Resistor	Thick Film	3k9	5%	0402	R2	1
Rohm	MCR01MZSJ472	Resistor	Thick Film	4k7	5%	0402	R73	1
Rohm	MCR01MZSJ562	Resistor	Thick Film	5k6	5%	0402	R10	2
Rohm	MCR01MZSJ562	Resistor	Thick Film	5k6	5%	0402	R7	
Rohm	MCR01MZSJ682	Resistor	Thick Film	6k8	5%	0402	R63	4
Rohm	MCR01MZSJ682	Resistor	Thick Film	6k8	5%	0402	R67	
Rohm	MCR01MZSJ682	Resistor	Thick Film	6k8	5%	0402	R75	
Rohm	MCR01MZSJ682	Resistor	Thick Film	6k8	5%	0402	R77	
Rohm	MCR01MZSJ822	Resistor	Thick Film	8k2	5%	0402	R3	1
Rohm	MCR01MZSJ912	Resistor	Thick Film	9k1	5%	0402	R4	1
Rohm	MCR01MZSJ103	Resistor	Thick Film	10k	5%	0402	R31	2
Rohm	MCR01MZSJ103	Resistor	Thick Film	10k	5%	0402	R55	
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R26	8
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R27	
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R45	
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R46	
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R64	
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R68	
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R76	
Rohm	MCR01MZSJ153	Resistor	Thick Film	15k	5%	0402	R78	
Rohm	MCR01MZSJ683	Resistor	Thick Film	68K	5%	0402	R65	3
Rohm	MCR01MZSJ683	Resistor	Thick Film	68K	5%	0402	R69	
Rohm	MCR01MZSJ683	Resistor	Thick Film	68K	5%	0402	R71	
Rohm	MCR01MZSJ154	Resistor	Thick Film	150k	5%	0402	R66	3
Rohm	MCR01MZSJ154	Resistor	Thick Film	150k	5%	0402	R70	
Rohm	MCR01MZSJ154	Resistor	Thick Film	150k	5%	0402	R72	
Rohm	MCR03EZHJ1R0	Resistor	Thick Film	1	5%	0603	R60	1
Rohm	MCR03EZHJ3160	Resistor	Thick Film	316	1%	0603	R18	1
Rohm	MCR03EZHJ331	Resistor	Thick Film	330	5%	0603	R44	1
Rohm	MCR03EZHJ681	Resistor	Thick Film	680	5%	0603	R5	2
Rohm	MCR03EZHJ681	Resistor	Thick Film	680	5%	0603	R6	
Rohm	MVR32HXB102	Resistor	Pot	1k		SMT	R53	1
Rohm	MVR32HXB201	Resistor	Pot	200		SMT	R52	1
Samtec	TFM-115-02-S-D-LC	Connector	Micro Strip	30-pin male		SMT	J1	1
Siemens	BBY51	Diode	Tuning			SOT-23	D2	1
Toko	LL1608-FH12NK	Inductor	Ceramic	12nH	10%	0603	L24	1
Toko	LL1608-FH15NK	Inductor	Ceramic	15nH	10%	0603	L12	3
Toko	LL1608-FH15NK	Inductor	Ceramic	15nH	10%	0603	L16	
Toko	LL1608-FH15NK	Inductor	Ceramic	15nH	10%	0603	L18	
Toko	LL1608-FH22NK	Inductor	Ceramic	22nH	10%	0603	L6	2
Toko	LL1608-FH27NK	Inductor	Ceramic	27nH	10%	0603	L23	
Toko	LL1608-FH27NK	Inductor	Ceramic	27nH	10%	0603	L7	2
Toko	LL1608-FH27NK	Inductor	Ceramic	27nH	10%	0603	L20	
Toko	LL1608-FH39NK	Inductor	Ceramic	39nH	10%	0603	L19	2
Toko	LL1608-FH39NK	Inductor	Ceramic	39nH	10%	0603	L22	
Toko	TDF2A-2450T-10	Filter	Dielectric	2450MHz		SMT	U21	3
Toko	TDF2A-2450T-10	Filter	Dielectric	2450MHz		SMT	U22	
Toko	TDF2A-2450T-10	Filter	Dielectric	2450MHz		SMT	U23	
Toko	TK11235AMTL	Linear	Volt Reg	3.5V		SOT-23L	U12	3
Toko	TK11235AMTL	Linear	Volt Reg	3.5V		SOT-23L	U6	
Toko	TK11235AMTL	Linear	Volt Reg	3.5V		SOT-23L	U7	
Toyocom	TQS-444A-7R	Filter	Saw	280 MHz		SMT	U18	2
Toyocom	TQS-444A-7R	Filter	Saw	280 MHz		SMT	U25	

Manufacturer	Part number	Commodity	Type	Value	Tolerance	Mechanical	Reference	Qty/unit
Hewlett Packard		LED	5mm	Green			D1	1
Hewlett Packard		LED	5mm	Dual color (red/green)			D2	2
Hewlett Packard		LED	5mm	Dual color (red/green)			D3	
Rohm	MCR10EZHJ221	Resistor	Thick Film	220	5%	0805	R1	5
Rohm	MCR10EZHJ221	Resistor	Thick Film	220	5%	0805	R2	
Rohm	MCR10EZHJ221	Resistor	Thick Film	220	5%	0805	R3	
Rohm	MCR10EZHJ221	Resistor	Thick Film	220	5%	0805	R4	
Rohm	MCR10EZHJ221	Resistor	Thick Film	220	5%	0805	R5	
Faber Electronics	AP1100LEDPCB	PCB	2-layer epoxy					1