

Parts List

Model Name : Bluetooth Module

Model No : WML-C11##

DATE : 17/May/2002

MITSUMI ELECTRIC CO.,LTD

Bill Of Materials

Item	Value	Reference	Part No.	Manufac.	Tolerance	QNY	Note
1	0p~100nF(0.5pF)	C24	GRM36CK0R5C50 or Equivalent	MURATA or others	±0.25pF	1	
2	0p~10pF(0pF)	C20	NC or GRM36CK0R5C50 or Equivalent	MURATA or others	±0.25pF	1	
3	0p~33pF(0pF)	C25	NC or GRM36CK0R5C50 or Equivalent	MURATA or others	±0.25pF	1	
4	0p~5pF(1pF)	C23	GRM36CK010C50 or Equivalent	MURATA or others	±0.25pF	1	
5	0.5p~10pF(2pF)	C33	GRM36CK020C50 or Equivalent	MURATA or others	±0.25pF	1	
6	0p~10pF(2pF)	C19	GRM36CK020C50 or Equivalent	MURATA or others	±0.25pF	1	
7	2p~12pF(4pF)	C8	GRM36CH040C50 or Equivalent	MURATA or others	±0.25pF	1	
8	0.5p~10pF(5pF)	C18	GRM36CH050C50 or Equivalent	MURATA or others	±0.25pF	1	
9	1p~100nF(10pF)	C21	GRM36CH100D50 or Equivalent	MURATA or others	±0.5pF	1	
10	1p~100pF(10pF)	C32	GRM36CH100D50 or Equivalent	MURATA or others	±0.5pF	1	
11	2p~12pF(10pF)	C9	GRM36CH100D50 or Equivalent	MURATA or others	±0.5pF	1	
12	5p~100pF(10pF)	C11	GRM36CH100D50 or Equivalent	MURATA or others	±0.5pF	1	
13	5p~100pF(10pF)	C12	GRM36CH100D50 or Equivalent	MURATA or others	±0.5pF	1	
14	5p~100pF(27pF)	C34	GRM36CH270J50 or Equivalent	MURATA or others	±5%	1	
15	10p~1nF(100pF)	C26	GRM36CH101J50 or Equivalent	MURATA or others	±5%	1	
16	10p~1nF(100pF)	C7	GRM36CH101J50 or Equivalent	MURATA or others	±5%	1	
17	100pF	C13	GRM36CH101J50 or Equivalent	MURATA or others	±5%	1	
18	100pF	C14	GRM36CH101J50 or Equivalent	MURATA or others	±5%	1	
19	1p~100nF(100pF)	C29	GRM36CH101J50 or Equivalent	MURATA or others	±5%	1	
20	5p~100pF(100pF)	C15	GRM36CH101J50 or Equivalent	MURATA or others	±5%	1	
21	150p~470pF(220pF)	C30	GRM36CH221J50 or Equivalent	MURATA or others	±5%	1	
22	1n~100nF(10nF)	C1	GRM36B103K50 or Equivalent	MURATA or others	±10%	1	
23	1n~100nF(10nF)	C16	GRM36B103K50 or Equivalent	MURATA or others	±10%	1	
24	1n~100nF(10nF)	C2	GRM36B103K50 or Equivalent	MURATA or others	±10%	1	
25	1n~100nF(10nF)	C27	GRM36B103K50 or Equivalent	MURATA or others	±10%	1	
26	0p~100nF(10nF)	C31	GRM36B103K50 or Equivalent	MURATA or others	±10%	1	
27	1n~100nF(10nF)	C6	GRM36B103K50 or Equivalent	MURATA or others	±10%	1	
28	1p~100nF(10nF)	C22	GRM36B103K50 or Equivalent	MURATA or others	±10%	1	
29	1n~100nF(100nF)	C28	GRM36R104K10 or Equivalent	MURATA or Others	±10%	1	
30	0~22uF(4.7uF)	C4	TMCNJQ475M or Equivalent	Hitachi AIC or Others	±20%	1	
31	1u~22uF(4.7uF)	C5	TMCNJQ475M or Equivalent	Hitachi AIC or Others	±20%	1	
32	0p~5pF/0n~33nH(0pF)	C17	NC or GRM36CK0R5C50 or Equivalent	MURATA or others	±0.25pF	1	
33	0~10(2R2)	R1	ERJ2GEJ2R2X or Equivalent	Panasonic or others	±5%	1	
34	0~1k(0)	R6	ERJ2GEJR00X or Equivalent	Panasonic or others	±5%	1	
35	100~100k(10k)	R7	ERJ2GEJ103X or Equivalent	Panasonic or others	±5%	1	
36	100~10k(1k)	R8	ERJ2GEJ102X or Equivalent	Panasonic or others	±5%	1	
37	100~NC(NC)	R5	NC or ERJ2GEJ101X or Equivalent	Panasonic or others	±5%	1	
38	150k~330k(180k)	R2	ERJ2GEJ184X or Equivalent	Panasonic or others	±5%	1	
39	0~33(33)	R3	ERJ2GEJ330X or Equivalent	Panasonic or others	±5%	1	
40	0~33(33)	R4	ERJ2GEJ330X or Equivalent	Panasonic or others	±5%	1	
41	0n~5.6nH(4.7nH)	L1	LQP10A4N7B00 or Equivalent	MURATA or others	±0.1nH	1	
42	0n~5.6nH(0nH)	L3	ERJ2GEJR00X or Equivalent	Panasonic or others	±5%	1	
43	1.5n~5.6nH(3.9nH)	L4	LQP10A3N9B00 or Equivalent	MURATA or others	±0.1nH	1	
44	1n~4.7nH(2.2nH)	L5	LQP10A2N2B00 or Equivalent	MURATA or others	±0.1nH	1	
45	1n~5.6nH(3.3nH)	L2	LQP10A3N3B00 or Equivalent	MURATA or others	±0.1nH	1	
46	3.3n~33nH(15nH)	L6	LQP10A15NG00 or Equivalent	MURATA or others	±2%	1	
47	BlueCore2	IC1	BlueCore2-External	CSR		1	
48	1.8V Voltage Reg.	IC2	RN1111N181B or Equivalent	RIKOH or others		1	
49	Power Amp	IC3	PA2423L or Equivalent	SiGe or others		1	
50	4M Flash ROM	IC4	MBM29LV400BC or Equivalent	Fujitsu or Others		1	
51	ANT Switch	IC5	uPG2008TK or Equivalent	NEC or others		1	
52	2.45GHz BPF	BPF1	LFSG15N14B2450B or Equivalent	MURATA or others		1	
53	2.4GHz Baluns	BL1	HHM1713 or Equivalent	TDK or Others		1	
54	16MHz X'tal	XT1	CX-101F or Equivalent	KSS or Others		1	
55	PWB(4Layer)			Hitachi AIC or Others		1	
56	SHIELD CASE			SEBATA or Others		1	
57	2.4GHz Antenna	ANT1	HAN8030B2R4GT or Equivalent	TDK or Others		1	WML-C11A# has antenna.
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					Total	57	