

Model No. WG-708
Revision : 01V03
Circuitry Revision : SCH WG708-01V03

Date : 1-Sep-17
Reference Number :
Prepared by : Nick

Materiel B. O. M.

Electrical

Item	Description	Qty			Location
1	Chip Cap 0402 size 2pF +/-5% NPO	1		0.0000	C56
2	Chip Cap 0402 size 3pF +/-5% NPO	1		0.0000	C57
3	Chip Cap 0402 size 5pF +/-5% NPO	1		0.0000	C37
4	Chip Cap 0402 size 6pF +/-5% NPO	2		0.0000	C89 C148
5	Chip Cap 0402 size 7pF +/-5% NPO	1		0.0000	C159
6	Chip Cap 0402 size 12pF +/-5% NPO	2		0.0000	C11 C59
7	Chip Cap 0402 size 22pF +/-5% NPO	1		0.0000	C26
8	Chip Cap 0402 size 100pF +/-5% NPO	13		0.0000	C21 C22 C35 C43 C44 C55 C72 C125 C127 C131 C132 C133 C134
9	Chip Cap 0402 size 470pF +/-5% NPO	1		0.0000	C76
10	Chip Cap 0402 size 1nF +/-10% X7R	13		0.0000	C7 C19 C33 C40 C77 C79 C90 C99 C100 C101 C102 C130 C144
11	Chip Cap 0402 size 10nF +/-10% X7R	4		0.0000	C10 C12 C15 C36
12	Chip Cap 0402 size 100nF +/-10% X7R	13		0.0000	C1 C6 C16 C23 C25 C28 C32 C34 C46 C78 C80 C86 C92
13	Chip Cap 0402 size 1uF +/-10% X7R	8		0.0000	C5 C9 C14 C39 C45 C61 C68 C87
14	Chip Cap 0603 size 0.5pF +/-5% NPO	1		0.0000	C8
15	Chip Cap 0603 size 2pF +/-5% NPO	2		0.0000	C41 C48
16	Chip Cap 0603 size 4pF +/-5% NPO	1		0.0000	C54
17	Chip Cap 0603 size 5pF +/-5% NPO	1		0.0000	C51
18	Chip Cap 0603 size 6pF +/-5% NPO	1		0.0000	C53
19	Chip Cap 0603 size 15pF +/-5% NPO	1		0.0000	C109
20	Chip Cap 0603 size 47pF +/-5% NPO	1		0.0000	C163
21	Chip Cap 0603 size 100pF +/-5% NPO	1		0.0000	C94
22	Chip Cap 0603 size 470pF +/-5% NPO	1		0.0000	C52
23	Chip Cap 0603 size 10nF +/-10% X7R	1		0.0000	C95
24	Chip Cap 0603 size 100nF +/-10% X7R	2		0.0000	C3 C96
25	Chip Cap 0603 size 1uF +/-10% X7R	1		0.0000	C97
26	Chip Cap 0603 size 4.7uF +/-10% X7R	3		0.0000	C4 C20 C84
27	Chip Cap 0805 size 10uF ±20% 10V	4		0.0000	C17 C42 C66 C81
28	E Cap 4X7 size 100uF ±20% 10V	2		0.0000	C2 C83
29	Chip Resistor 0402 size 0R +/-5%	1		0.0000	R68
30	Chip Resistor 0402 size 10R +/-5%	1		0.0000	R35
31	Chip Resistor 0402 size 47R +/-5%	2		0.0000	R27 R60

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32	Chip Resistor 0402 size 100R +/-5%	1	0.0000	R77
33	Chip Resistor 0402 size 220R +/-5%	1	0.0000	R8
34	Chip Resistor 0402 size 470R +/-5%	2	0.0000	R14 R32
35	Chip Resistor 0402 size 1K8 +/-5%	1	0.0000	R45
36	Chip Resistor 0402 size 2K2 +/-5%	1	0.0000	R22
37	Chip Resistor 0402 size 3K3 +/-5%	1	0.0000	R78
38	Chip Resistor 0402 size 4K7 +/-5%	2	0.0000	R1 R5
39	Chip Resistor 0402 size 6K8 +/-5%	1	0.0000	R2
40	Chip Resistor 0402 size 8K2 +/-1%	1	0.0000	R58
41	Chip Resistor 0402 size 10K +/-1%	1	0.0000	R82
42	Chip Resistor 0402 size 10K +/-5%	3	0.0000	R18 R33 R49
43	Chip Resistor 0402 size 27K +/-5%	4	0.0000	R30 R67 R91 R96
44	Chip Resistor 0402 size 33K +/-5%	1	0.0000	R34
45	Chip Resistor 0402 size 47K +/-5%	3	0.0000	R36 R90 R95
46	Chip Resistor 0402 size 82K +/-5%	6	0.0000	R26 R28 R37 R66 R89 R94
47	Chip Resistor 0402 size 100K +/-5%	6	0.0000	R6 R7 R11 R84 R85 R86
48	Chip Resistor 0402 size 150K +/-5%	3	0.0000	R38 R88 R93
49	Chip Resistor 0402 size 220K +/-5%	1	0.0000	R73
50	Chip Resistor 0402 size 330K +/-5%	3	0.0000	R31 R87 R92
51	Chip Resistor 0402 size 1M +/-1%	2	0.0000	R41 R42
52	Chip Resistor 0603 size 0R +/-5%	1	0.0000	L4
53	Chip Resistor 0603 size 10R +/-5%	1	0.0000	R44
54	Chip Resistor 0603 size 47R +/-5%	2	0.0000	R64 R65
55	Chip Resistor 0603 size 220R +/-5%	1	0.0000	R12
56	Chip Resistor 0805 size 0R +/-5%	1	0.0000	R48
57	Chip Resistor 0805 size 3K3 +/-5%	1	0.0000	L18
58	Chip inductor 0603 size 4.7nH +/-5%	1	0.0000	L48
59	Chip inductor 0603 size 15nH +/-5%	2	0.0000	L1 L12
60	Chip inductor 0603 size 18nH +/-5%	1	0.0000	L3
61	Chip inductor 0603 size 33nH +/-5%	2	0.0000	L6 L7
62	Chip inductor 0603 size 39nH +/-5%	1	0.0000	L2
63	Chip inductor 0603 size 220nH +/-5%	1	0.0000	L8
64	Chip inductor 0603 size 1uH +/-5%	1	0.0000	L50
65	Magnetic beads 0805 size 101T	3	0.0000	L5 L51 L52

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66	Chip Air Coil 0.35x1.5x3T	1	0.0000	L16
67	Chip Air Coil 0.35x1.5x4T	4	0.0000	L15 L17 L19 L46
68	Chip Diode BA592 Footprint:SOD-323	2	0.0000	D1 D2
69	Chip transistor DTA114YE SOT523	4	0.0000	Q8 Q9 Q10 Q11
70	Chip transistor DTC114EE SOT523	1	0.0000	Q3
71	Chip transistor 2SC4226 SOT323	2	0.0000	Q2 Q4
72	Chip transistor 2SK3078 SOT-89	1	0.0000	Q19
73	Chip transistor MMBT3904 SOT-23	1	0.0000	Q20
74	Crystal 26MHz SMD3225	1	0.0000	X2
75	IC BK4815N QFN-32	1	0.0000	U1
76	IC LN4890 SOP-8	1	0.0000	U4
77	IC LN1134B302 SOT-23-5	1	0.0000	U3
78	MCU HC89F0431 TSSOP-20	1	0.0000	U2
79	LED Green SMD 0603	10	0.0000	D3 D4 D5 D6 D7 D8 D9 D10 D11 D12
80	LED SMD 0603 (Red/Green)	1	0.0000	D13
81	Side Switch SK-23D07	1	0.0000	SW1
82	Micro-USB Jack	1	0.0000	JK1
83	Tact switch ϕ 5mm	30	0.0000	S1~S17
84	SPEAKER 8R/0.5W	1	0.0000	SPK
85	MIC ϕ 9.7x6mm -62dB \pm 2dB 2PIN	1	0.0000	MIC1
86	Lead AWG28 L=80mm	2	0.0000	SP+, SP-
87	Lead3PIN P=2.0mm L=60mm	1	0.0000	J1/J2
88	PCB1 144x53.5x1.6mm Double deck, FR-4Gold-plated	1	0.0000	PCB_WG708-01V03
89	PCB2 55x20x1.0mm , FR-4, Gold-plated	1	0.0000	PCB_WG708-02V03
90	ANT	1	0.0000	ANT