

Model No. SK-12V6
Revision : 01V05
Circuitry Revision : SCH SK-12V6-01V05

Date : 15-Nov-17
Reference Number :
Prepared by : Nick

Materiel B. O. M.

Electrical

Item	Description	Qty			Location
1	Chip Cap 0402 size 0.5pF +/-5% NPO	2		0.0000	C40 C83
2	Chip Cap 0402 size 1pF +/-5% NPO	1		0.0000	C46
3	Chip Cap 0402 size 3pF +/-5% NPO	1		0.0000	C4
4	Chip Cap 0402 size 5pF +/-5% NPO	2		0.0000	C37 C38
5	Chip Cap 0402 size 6pF +/-5% NPO	1		0.0000	C66
6	Chip Cap 0402 size 7pF +/-5% NPO	1		0.0000	C51
7	Chip Cap 0402 size 10pF +/-5% NPO	2		0.0000	C57 C59
8	Chip Cap 0402 size 15pF +/-5% NPO	1		0.0000	C69
9	Chip Cap 0402 size 18pF +/-5% NPO	2		0.0000	C63 C65
10	Chip Cap 0402 size 22pF +/-5% NPO	1		0.0000	C26
11	Chip Cap 0402 size 100pF +/-5% NPO	7		0.0000	C13 C30 C33 C36 C56 C125 C127
12	Chip Cap 0402 size 470pF +/-5% NPO	1		0.0000	C75
13	Chip Cap 0402 size 1nF +/-10% X7R	9		0.0000	C7 C16 C17 C19 C41 C42 C70 C90 C101
14	Chip Cap 0402 size 10nF +/-10% X7R	5		0.0000	C10 C12 C15 C58 C72
15	Chip Cap 0402 size 22nF +/-10% X7R	1		0.0000	C91
16	Chip Cap 0402 size 100nF +/-10% X7R	9		0.0000	C6 C27 C28 C48 C49 C52 C76 C77 C92
17	Chip Cap 0402 size 1uF +/-10% X7R	8		0.0000	C2 C9 C14 C20 C23 C39 C61 C68
18	Chip Cap 0603 size 470pF +/-5% NPO	1		0.0000	C52
19	Chip Cap 0603 size 10nF +/-10% X7R	1		0.0000	C95
20	Chip Cap 0603 size 33nF +/-10% X7R	1		0.0000	C3
21	Chip Cap 0603 size 100nF +/-10% X7R	1		0.0000	C94
22	Chip Cap 0603 size 4.7uF +/-10% X7R	2		0.0000	C84 C93
23	Chip Cap 0805 size 10uF ±20% 10V	4		0.0000	C5 C60 C71 C81
24	SMD E-Cap EX4 size 47uF ±20% 10V	1		0.0000	C32
25	SMD E-Cap EX6 size 220uF ±20% 10V	1		0.0000	C22
26	Chip Resistor 0402 size 47R +/-5%	1		0.0000	R60
27	Chip Resistor 0402 size 220R +/-5%	1		0.0000	R48
28	Chip Resistor 0402 size 470R +/-5%	2		0.0000	R23 R44
29	Chip Resistor 0402 size 1K5 +/-5%	1		0.0000	R45
30	Chip Resistor 0402 size 1K +/-5%	2		0.0000	R3 R34
31	Chip Resistor 0402 size 2K2 +/-5%	1		0.0000	R52

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32	Chip Resistor 0402 size 2K4 +/-5%	1	0.0000	R27
33	Chip Resistor 0402 size 3K3 +/-5%	2	0.0000	R9 R11
34	Chip Resistor 0402 size 6K8 +/-5%	1	0.0000	R18
35	Chip Resistor 0402 size 8K2 +/-1%	1	0.0000	R58
36	Chip Resistor 0402 size 10K +/-1%	1	0.0000	R82
37	Chip Resistor 0402 size 10K +/-5%	4	0.0000	R2 R15 R49 C31
38	Chip Resistor 0402 size 12K +/-5%	1	0.0000	R32
39	Chip Resistor 0402 size 15K +/-5%	2	0.0000	R4 R28
40	Chip Resistor 0402 size 18K +/-5%	1	0.0000	R22
41	Chip Resistor 0402 size 27K +/-5%	4	0.0000	R12 R16 R26 R85
42	Chip Resistor 0402 size 47K +/-5%	3	0.0000	R6 R24 R29
43	Chip Resistor 0402 size 56K +/-5%	1	0.0000	R8
44	Chip Resistor 0402 size 82K +/-5%	2	0.0000	R40 R77
45	Chip Resistor 0402 size 100K +/-5%	4	0.0000	R5 R14 R20 R31
46	Chip Resistor 0402 size 150K +/-5%	2	0.0000	R19 R25
47	Chip Resistor 0402 size 330K +/-5%	1	0.0000	R13
48	Chip Resistor 0402 size 1M +/-1%	2	0.0000	R41 R42
49	Chip Resistor 0603 size 0R +/-5%	2	0.0000	R35
50	Chip Resistor 0603 size 10R +/-5%	1	0.0000	R30
51	Chip Resistor 0603 size 47R +/-5%	3	0.0000	R17 R21 R84
52	Chip Resistor 0603 size 1K +/-5%	1	0.0000	R47
53	Chip Resistor 0805 size 3K3 +/-5%	1	0.0000	L18
54	Chip inductor 0603 size 4.7nH +/-5%	1	0.0000	L16
55	Chip inductor 0603 size 6.8nH +/-5%	1	0.0000	L4
56	Chip inductor 0603 size 15nH +/-5%	3	0.0000	L8 L12 L17
57	Chip inductor 0603 size 18nH +/-5%	1	0.0000	L15
58	Chip inductor 0603 size 33nH +/-5%	1	0.0000	L6
59	Chip inductor 0603 size 220nH +/-5%	1	0.0000	L9
60	0805 size 101T	2	0.0000	L5 L51
61	Chip Air Coil 0.35x1.6x3.5T	2	0.0000	L7 L10
62	Chip Air Coil 0.35x1.6x3.5T	2	0.0000	L1 L2
63	Chip Diode BA592 Footprint:SOD-323	2	0.0000	D1 D2
64	Chip Diode 1N4148 SOD-123	2	0.0000	D4 D5
65	Chip transistor DTA114YE SOT523	4	0.0000	Q2 Q4 Q5 Q6

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66	Chip transistor DTC114EE SOT523	2	0.0000	Q1 Q3
67	Chip transistor 2SC4226 SOT323	2	0.0000	Q8 Q9
68	Chip transistor 2SK3756 SOT-89	1	0.0000	Q10
69	Crystal 26MHz SMD3225	1	0.0000	X2
70	IC BK4815N QFN-32	1	0.0000	U1
71	IC HT6871 SOP-8	1	0.0000	U4
72	IC BRCL4057SC SOP-8	1	0.0000	U7
73	IC LN1134B302 SOT-23-5	1	0.0000	U3
74	MCU HC89F0431 TSSOP-20	1	0.0000	U2
75	LED Green SMD 0603	7	0.0000	D1 D3 D8 D9 D10 D12 D13
76	LED SMD 0603 (Red)	1	0.0000	D7
77	LED Red	1	0.0000	D6
78	Side Switch SK-13D01	1	0.0000	J1
79	Micro-USB Jack	1	0.0000	J4
80	DC JACK DC-4.5X4.8	1	0.0000	BAT
81	Tact switch TD-03XG	3	0.0000	S11 S13 S14
82	Tact switch ϕ 5mm	15	0.0000	S1 S2 S4 S6 S8 S9 S10 S12 S15
83	SPEAKER 8R/0.5W	1	0.0000	SPK
84	MIC ϕ 9.7x6mm -62dB \pm 2dB 2PIN	1	0.0000	MIC1
85	AWG28 L=80mm	2	0.0000	SP+, SP-
86	PCB 63.85x61.5x1.0mm , FR-4,	1	0.0000	PCB_SK-12V6-01V04
87	ANT	1	0.0000	ANT