

Chapter 2 Parts list and Schematic

Parts list

Item	Q'ty	Comp Name	Reference	Part
<u>SMT PARTS</u>				
1	3	CHIP RESISTER	J1,J2,J3(157)	RC 1/16W 0 ohm
2	1	CHIP RESISTER	R1	RC 1/16W 100K
3	2	CHIP RESISTER	R19,R2	RC 1/16W 8.2K
4	3	CHIP RESISTER	R3,R18,R20	RC 1/16W 220
5	2	CHIP RESISTER	R7,R4	RC 1/16W 22
6	4	CHIP RESISTER	R5,R33,R34,R36	RC 1/16W 820
7	2	CHIP RESISTER	R9,R6	RC 1/16W 18K
8	11	CHIP RESISTER	R8,R15,R21,R30,R31, R32, R35,R37,R39,R41,R43	RC 1/16W 1K
9	1	CHIP RESISTER	R10	RC 1/16W 6.2K
10	3	CHIP RESISTER	R11,R12,R25	RC 1/16W 1.2K
11	3	CHIP RESISTER	R13,R40,R42	RC 1/16W 4.7K
12	1	CHIP RESISTER	R14	RC 1/16W 3.3K
13	4	CHIP RESISTER	R16,R24,R27,R29	RC 1/16W 10K
14	1	CHIP RESISTER	R17	RC 1/16W 220K
15	1	CHIP RESISTER	R22	RC 1/16W 470
16	1	CHIP RESISTER	R23	RC 1/16W 2.2
18	2	CHIP RESISTER	R38,R26	RC 1/16W 100
19	1	CHIP RESISTER	R28	RC 1/16W 560
20	24	CHIP CAPACITOR	C1,C2,C5,C7,C8,C10,C11, C12,C16,C21,C26,C27,C30, C32,C35,C37,C38,C39,C40, C41,C42,C43,C44,C45	CS1608 X7R 103K
21	2	CHIP CAPACITOR	C33,C28	CS1608 X7R 102K
22	1	CHIP CAPACITOR	C6	CS1608 COG 47P
23	1	CHIP CAPACITOR	C13	CS1608 COG 22P
24	1	CHIP CAPACITOR	C14	CS1608 COG 20P
25	1	CHIP CAPACITOR	C17	CS1608 COG 91P
26	1	CHIP CAPACITOR	C18	CS1608 COG 1P
27	1	CHIP CAPACITOR	C19	CS1608 COG 33P

28	2	CHIP CAPACITOR	C22,C24	CS1608 COG 5P
29	1	CHIP CAPACITOR	C23	CS1608 COG 56P
30	2	CHIP CAPACITOR	C29,C25	CS1608 COG 100P
31	2	CHIP CAPACITOR	C31,C36	CS1608 COG 470P
32	1	CHIP CAPACITOR	C34	CS1608 COG 150P
33	2	CHIP CAPACITOR	C46,C47	CS1608 COG 30P
34	1	CHIP TANTAL	C3	ECSTIAY 226KR (22uF/16V)
35	1	CHIP TANTAL	C9	ECSTIAY 106KR (10uF/16V)
36	1	CHIP TANTAL	C15	ECSTIVY 474KR (0.47uF/16V)
37	3	CHIP DIODE	D1,D3,D4	RLS4148
38	1	CHIP ZENNER	D2	RLZ 5.1B (5.1V)
39	1	CHIP ZENNER	D6	RLZ 6.2B (6.2V)
40	1	VARICAP DIODE	D5	BB515G
41	2	CHIP TRANSISTOR	Q2,Q4	2SC2223
42	2	CHIP TRANSISTOR	Q3,Q5	2SC1623
43	2	CHIP TRANSISTOR	Q7,Q6	2SC3900
44	1	CHIP IC	U1	NJU7201U50

INSERT PARTS

45	1	CPU IC	IC1	ST62T30B
46	1	SLIDE SWITCH	SW1	SKS2204
47	2	SLIDE SWITCH	SW2,SW3	SSSS-922CNSL4
48	1	TACT SWITCH	SW4	STM0611
49	2	VOLUME	VR2,VR1	TR133N 10.3F693Z B5K-1253
50	1	SEMI VOLUME	VR3	PT6KV-202A (B2K)
51	1	SEMI VOLUME	VR4	PT6KV-103A B10K
52	1	VOLUME	VR5	V09 V CO 20F B20K
53	2	VOLUME	VR6,VR7	V09 H CO 20F B10K
54	4	SEMI VOLUME	VR8,VR9,VR10,VR11	EVM 49G A00 B14 (10KB)
55	1	CRYSTAL	X1	HTF 75MHz
56	1	CRYSTAL	X2	8MHz
57	1	ANTTENA	ANT1	HT-7N-R
58	1	PCB	FR-1	AGG-FM-M01
59	1	DCJACK	CHG1	DCP202-2PIN
60	1	ELEC. CAPACITOR	C4	100uF/16V SR
61	1	MYLER CAPACITOR	C20	J-TYPE 103(M)

62	1	DIODE	D7	IN4003
63	1	LED	LED1	DL-11S2-ON1 (RED)
64	1	LED	LED2	DL-11S2-YN1 (YELLOW)
65	1	LED	LED3	DL-11S2-GN1 (GREEN)
66	1	JUMP WIRE	L1	0.6 X 4J (4mm)
67	6	JUMP WIRE		0.6 X 10J (10mm)
68	1	INDUCTOR COIL	L2	10uH (HDQ-01)
69	1	INDUCTOR COIL	L3	LAL03-1.2uH
70	1	PIEZO BUZZER	PZ1	EFM-250A
71	1	TRANSISTOR	Q1	C4910
72	1	RFT COIL	RFT1	HDR05S
73	2	RFT COIL	RFT2,RFT3	HDR01S
74	2	RFT COIL	RFT5,RFT4	HDR04S
75	3	WAFER	WF1,WF2,WF3	PH-3A(8283-3P)
76	2	WAFER	WF4,WF5	PH-2A(8283-2P)
77	1	CRYSTAL SOCKET ASS'Y		HP-2TS
78	1	WIRE ASS'Y	CH1	8283-3P 0.08X30X55MM(HRP)
79	1	WIRE ASS'Y	CH2	8283-3P 0.08X30X95MM(HRP)
80	1	WIRE ASS'Y	DUAL RATE	8283-3P 0.08X30X180MM(HRP)
81	1	WIRE ASS'Y	CH3	8283-2P 0.08X30X100MM(HRP)
82	1	WIRE ASS'Y	BATT	8283-2P 0.08X30X240MM(HRP)