

Bill of material

Model No.: H11-M010-2018 Description: F8M010 FM transmitter (Samsung CPU) USA version

#	Part/No.	Description	Value	Tolerance	Package	Manufacturer	Manufacturer Part/No.	Designator	Qty
1	A13-M010-AMB4	PCB mainboard 66.5*38.5*1.0mm FR4 double sides with golden				CEC	A13-M010-AMB4		1
2	A20-0001-3520	Resistor SMD 0603 0 Ω 1/8W +/-5%	0 Ω	+/-5%	0603	Royalohm	0603WVGJ0000T5E	R35 R54 R72	3
3	A20-0271-3520	Resistor SMD0603 2.7 Ω 1/8W +/-5%	2.7 Ω	+/-5%	0603	Royalohm	0603WVGJ027JT5E	R16	1
4	A20-1011-3520	Resistor SMD 0603 100 Ω 1/8W +/-5%	100 Ω	+/-5%	0603	Royalohm	0603WVGJ0101T5E	R29	1
5	A20-1031-3520	Resistor SMD 0603 10K 1/8W +/-5%	10K	+/-5%	0603	Royalohm	0603WVGJ0103T5E	R1-R3 R24 R25 R32 R52 R53 R70	5
6	A20-1041-3520	Resistor SMD 0603 100K 1/8W +/-5%	100K	+/-5%	0603	Royalohm	0603WVGJ0104T5E	R4 R69	2
7	A20-2031-3520	Resistor SMD 0603 20K 1/8W +/-5%	20K	+/-5%	0603	Royalohm	0603WVGJ0204T5E	R28	1
8	A20-2221-3520	Resistor SMD 0603 2.2K 1/8W +/-5%	2.2K	+/-5%	0603	Royalohm	0603WVGJ0222T5E	R23	1
9	A20-2231-3520	Resistor SMD 0603 22K 1/8W +/-5%	22K	+/-5%	0603	Royalohm	0603WVGJ0223T5E	R45 R46	2
10	A20-3301-3520	Resistor SMD 0603 33 Ω 1/8W +/-5%	33 Ω	+/-5%	0603	Royalohm	0603WVGJ0330T5E	R34	1
11	A20-3321-3520	Resistor SMD 0603 3.3K 1/8W +/-5%	3.3K	+/-5%	0603	Royalohm	0603WVGJ0332T5E	R26 R27 R43	3
12	A20-3331-3520	Resistor SMD 0603 33K 1/8W +/-5%	33K	+/-5%	0603	Royalohm	0603WVGJ0333T5E	R13 R44	2
13	A20-3902-1592	Precise resistor SMD 0603 3.9K 1/16W +/-1%	3.9K	+/-1%	0603	Royalohm	0603WGF0392T5E	R77	1
14	A20-4721-3520	Resistor SMD 0603 4.7K 1/8W +/-5%	4.7K	+/-5%	0603	Royalohm	0603WVGJ0472T5E	R66	1
15	A20-4731-3520	Resistor SMD 0603 47K 1/8W +/-5%	47K	+/-5%	0603	Royalohm	0603WVGJ0473T5E	R41	1
16	A20-6801-3520	Resistor SMD 0603 68 Ω 1/8W +/-5%	68 Ω	+/-5%	0603	Royalohm	0603WVGJ0680T5E	R7	1
17	A20-6811-3520	Resistor SMD 0603 680 Ω 1/8W +/-5%	680 Ω	+/-5%	0603	Royalohm	0603WVGJ0681T5E	R12	1
18	A20-7531-3520	Resistor SMD 0603 75K 1/8W +/-5%	75K	+/-5%	0603	Royalohm	0603WVGJ0753T5E	R15	1
19	A23-1003-1512	Precise resistor SMD 0603 100K 1/8W +/-1%	100K	+/-1%	0603	Royalohm	0603WGF0104T5E	R17 R36 R48 R55 R56 R67	3
20	A23-1031-0150	Precise resistor SMD 0603 10K 1/10W +/-1%	10K	+/-1%	0603	Royalohm	0603WGF0103T5E	R80	1
21	A23-1051-1592	Precise resistor SMD 0603 1M 1/16W +/-1%	1M	+/-1%	0603	Royalohm	0603WGF0106T5E	R5	1
22	A23-1071-1592	Precise resistor SMD 0603 107 Ω 1/16W +/-1%	107 Ω	+/-1%	0603	Royalohm	0603WGF1070T5E	R38 R39	2
23	A23-1544-1592	Precise resistor SMD 0603 154K 1/16W +/-1%	154K	+/-1%	0603	Royalohm	0603WGF1543T5E	R6	1
24	A23-1783-1512	Precise resistor SMD 0603 178K 1/8W +/-1%	178K	+/-1%	0603	Royalohm	0603WGF1783T5E	R8 R9 R58	3
25	A23-2001-1592	Precise resistor SMD 0603 2K 1/16W +/-1%	2K	+/-1%	0603	Royalohm	0603WGF0202T5E	R76	1
26	A23-2051-1592	Precise resistor SMD 0603 205 Ω 1/16W +/-1%	205 Ω	+/-1%	0603	Royalohm	0603WGF2050T5E	R37	1
27	A23-2054-1592	Precise resistor SMD 0603 205K 1/16W +/-1%	205K	+/-1%	0603	Royalohm	0603WGF2053T5E	R11	1
28	A23-3602-1592	Precise resistor SMD 0603 3.6K 1/16W +/-1%	3.6K	+/-1%	0603	Royalohm	0603WGF0362T5E	R73 R74	2
29	A23-3923-1512	Precise resistor SMD 0603 392K 1/8W +/-1%	392K	+/-1%	0603	Royalohm	0603WGF3923T5E	R14 R21 R22 R31	3
30	A23-4993-1512	Precise resistor SMD 0603 499K 1/8W +/-1%	499K	+/-1%	0603	Royalohm	0603WGF4993T5E	R18	1
31	A23-5121-1592	Precise resistor SMD 0603 5.1K 1/16W +/-1%	5.1K	+/-1%	0603	Royalohm	0603WGF0512T5E	R75	1
32	A23-6220-1520	Precise resistor SMD 0603 6.2K 1/10W +/-1%	6.2K	+/-1%	0603	Royalohm	0603WGF0622T5E	R78	1
33	A23-7503-1512	Precise resistor SMD 0603 750K 1/8W +/-1%	750K	+/-1%	0603	Royalohm	0603WGF7503T5E	R19	1
34	A23-8202-1593	Precise resistor SMD 0603 8.2K 1/16W +/-1%	8.2K	+/-1%	0603	Royalohm	0603WGF0822T5E	R79	1
35	A31-1418-F000	IC SMD BH1418FVSSOP24-2-SMT-PLUS			SSOP24	Rohm	BH1418FV	U2	1
36	A31-24C0-2N10	IC AT24C02N-10S1-2.7 SMD				Atmel	AT24C02N-10S1-2.7	U6	1
37	A31-5151-3300	IC SMD APL5151-33-BC-TRL SOT-23-5			SOT-23-5	Anpec	APL5151-33-BC-TRL	U7	1

38	A31-5205-0000	IC SMD MIC5205YM5 SOT-23-5 ADJ/1%			SOT-23-5	Micrel	MIC5205YM5	U5	1
39	A31-6107-1000	IC SMD TPS61071 SOT-23-6			SOT-23-6	TI	TPS61071	U1	1
40	A31-9454-B000	IC SMD S3F9454B 20-SOP-375			20-SOP-375	SamSung	S3F9454B	U4	1
41	A33-0520-L001	Diode SMD MBR0520LT1 SOD123			SOD123	Fairchild	MBR0520LT1	D2	1
42	A33-1471-0000	Variable capacitance diode SMD KV1471E URD			URD	Toko	KV1471E	D4	1
43	A33-5400-C000	Schottky diode BAT54C SOT-23 "Philips"			SOT-23	Philips	BAT54C	D1 D3 D5	1
44	A38-304P-0000	FET SMD FDV304P SOT-23			SOT-23	Fairchild	FDV304P	Q5	1
45	A38-3904-0030	Transistor SMD SMBT3904/MMBT3904 (Infineon)			SOT-23	Infineon	MMBT3904	Q2	1
46	A38-S670-S000	Transistor SMD BSS670S2L SOT-23			SOT-23	Infineon	BSS670S2L	Q1	1
47	A38-TA13-0000	Transistor SMD MMBTA13 SOT-23			SOT-23	Fairchild	MMBTA13	Q4	1
48	A41-0080-2506	Ceramic capacitor SMD 0603 8PF/25V +/-0.5PF	8PF	+/-0.5P	0603	YAGEO	CC0603DRNPO9BN	R47	1
49	A41-0220-2506	Ceramic capacitor SMD 0603 22PF/25V +/-5%	22PF	+/-5%	0603	YAGEO	CC0603JRNPO9BN	C34	1
50	A41-0270-2506	Ceramic capacitor SMD 0603 27PF/25V +/-5%	27PF	+/-5%	0603	YAGEO	CC0603JRNPO9BN	C39 C40	2
51	A41-1010-2516	Ceramic capacitor SMD 0603 100PF/25V +/-5%	100PF	+/-5%	0603	YAGEO	CC0603JRNPO9BN	C33	1
52	A41-1021-5006	Ceramic capacitor SMD 0603 1000PF/50V +/-10%	1000PF	+/-10%	0603	YAGEO	CC0603KRX7R9BB	C38	1
53	A41-1031-5006	Ceramic capacitor SMD 0603 103/50V +/-10%	0.01uF	+/-10%	0603	YAGEO	CC0603KRX7R9BB	C12 C22 C23 C42 C50 C51	3
54	A41-1040-2506	Ceramic capacitor SMD 0603 104/25V +/-5%	0.1uF	+/-5%	0603	YAGEO	CC0603KRX7R9BB	C13 C58 C59	3
55	A41-1051-5006	Ceramic capacitor SMD 0603 105/50V +/-10%	1uF	+/-10%	0603	YAGEO	CC0603KRX7R9BB	C8 C17 C32 C44 C47 C48 C52 C61	4
56	A41-1064-1000	Ceramic capacitor SMD 0805 10uF/10V +80%-20%	10uF	+80%-20	0805	TDK	C3216Y5V1A106ZT	C43 C16 C26 C53 C3 C27	3
57	A41-1510-2506	Ceramic capacitor SMD 0603 150PF/25V +/-5% NPO	150PF	+/-5%	0603	YAGEO	CC0603JRNPO9BN	C7 C9	2
58	A41-2221-5006	Ceramic capacitor SMD 0603 222/50V +/-10%	2200PF	+/-10%	0603	YAGEO	CC0603KRX7R9BB	C11	1
59	A41-2253-5006	Ceramic capacitor SMD 0603 2.2uF/50V +80/-20%	2.2uF	+80%-20	0603	TDK	C3216Y5V1A225ZT	C28 C49 C54 C62	3
60	A41-3311-5006	Ceramic capacitor SMD 0603 330PF/50V +/-5%	330PF	+/-5%	0603	YAGEO	CC0603JRNPO9BN	C29	1
61	A41-3321-5006	Ceramic capacitor SMD 0603 332/50V +/-10%	3300PF	+/-10%	0603	YAGEO	CC0603KRX7R9BB	C5 C10	2
62	A41-4731-5006	Ceramic capacitor SMD 0603 473/50V +/-10%	0.047uF	+/-10%	0603	YAGEO	CC0603KRX7R9BB	C30	1
63	A41-4754-1607	Ceramic capacitor SMD 0805 4.7uF/16V -80%+20%	4.7uF	+80%-20	0805	TDK	C3216Y5V1A475ZT	C1 C6	2
64	A44-1074-5000	Tantalum capacitor SMD 100uF/6.3V +/-20% B type	100uF	+/-20%	B type	Kemet		C2 C20 C57	3
65	A44-4764-0632	Tantalum capacitor SMD 47uF/6.3V B type +/-20%	47uF	+/-20%	B type	Kemet		C15	1
66	A45-0330-0004	Inductor SMD 0805 330nH +/-2% (Sunborn)	330nH	+/-2%	0805	Sunborn	WTI-0805C-R33	FB5	1
67	A45-101T-GB00	Inductor SMD 100nH 1008HS-101TGB +/-2% RDC=0.560HM SRF=1000MHz	100nH	+/-2%	1008	Coilcraft	1008HS-101TGB	L2	1
68	A45-122X-JL00	Inductor SMD 1.2uH 1008LS-122XJL +/-20%	1.2uH	+/-5%	1008	Coilcraft	1008LS-122XJL	L4	1
69	A45-153K-L000	Inductor SMD 15uH ME3220-153KL +/-10%	15uH	+/-10%	3220	Coilcraft	ME3220-153KL	L3	1
70	A45-1608-6010	Ferrite SMD 600 Ω@100MHz LCB1608K-601T10 ROHS	600ohm 1AM	+/-25%	0603	Sporton int	LCB1608K-601T10	FB2 FB3 R65	3
71	A45-682M-L000	Inductor SMD 6.8uH ME3220-682ML +/-20% RDC=0.360HM SRF=68MHz	6.8uH	+/-20%	3220	Coilcraft	ME3220-682ML	L1	1
72	A51-00TD-19XA	Switch TD-19XA				Wealth meta	TD-19XA	SW1 SW2 SW3 SW4	3
73	A51-15EA-ZA00	SMD switch TD-15EAZ-A00				Wealth meta	TD-15EAZ-A00	SW5 SW6	2
74	A31-9639-0000	IC(OLED) UG-9639AMBAG01 SMD-Flex Cable				Univision T	UG-9639AMBAG01	U3	1
75	A46-7601-0001	Crystal oscillator DIP 7.6MHz 30PPM @3*9mm				Suntsu	SCX254-7.6MHz	XTAL1	1
76	A51-S413-D000	DC plug DS-413D black				Wealth meta	DS-413D	J1	1

77	A53-0600-2400	Antenna 3+54+3 22#				Zi qi ang			1
78	A53-1040-2400	Electric wire(black) L=3+40+3mm 24#				Zi qi ang			1
79	A53-1040-2402	Electric wire(red) L=3+40+3mm 24#				Zi qi ang			1
80	E14-M010-0002	Audio cable length=575mm @3.5mm				Mi nyi da			1
81	A13-M010-CLA1	CLA PCB board Double side plated tin 60*23*1.6mm				CEC	A13-M010-CLA1		1
82	A20-8211-3520	Resistor SMD 0603 820 Ω 1/8W +/-5%	820 Ω	+/-5%	0603	Royalohm	0603WGF8200T5E	R105	1
83	A31-78L0-6002	IC SMD 78L06 SOT89 HTC RoHS			SOT89	HTC	78L06	U100	1
84	A33-4001-0000	Diode DIP 1N4001			A-405	COS	1N4001	D100	1
85	A34-0003-0025	LED DIP 3mm DG-302 Green ultrabright				Guangda	DG-302	D101	1
86	A35-0320-2001	Fuse DIP 2A/32V ROHS				Ante		T8	1
87	A35-M010-0001	Little fuse SMD 1206P012TS/TF				Littel	1206P012TS/TF	F100	1
88	A40-4764-3500	Electrolyte capacitor DIP 47uF/35V +/-20% φ6.3*12mm 105℃	47uF	+/-20%		Lianfa		C103	1
89	A41-1041-5006	Ceramic capacitor SMD 0603 104/50V +/-10%	0.1uF	+/-10%	0603	YAGEO	CC0603KRX7RBB10	C102	1
90	A41-1061-1008	Ceramic capacitor SMD 1206 106/10V +/-10% 环保	10uF	+/-10%	1206	YAGEO	CC0603KRX7RBB10	C101	1
91	A41-3341-5016	Ceramic capacitor SMD 0603 334/50V +/-10% X7R	0.33uF	+/-10%	0603	YAGEO	CC0603KRX7RBB33	C100	1
92	A53-1353-2201	Electronic wire 3+20+3mm AWG 22# black 17 wires				Zi qi ang			1
93	A53-M010-0000	Power cable 1000mm with DC plug&coil				Mi nYi da			1