

DTMF MIC SECTION

Item	Description	MANUF REF	VALUE	MANUF	PACKAGE	Qty	Reference
1	1COND SH 6COND CURL CORD	KSK-23235	CURL CORD	KOREA SANYO		1	J701
2	4.9152MHZ CRYSTAL	4.9152MHZ(49/SMD)	4.9152MHZ	K-WELL	49/SMD	1	X701
3	CHIP CERAMIC CAPCITOR	GRM39 X7R 103K 50V	0.01U	MURATA	1608	3	C701 C704 C709
4	CHIP CERAMIC CAPCITOR	GRM39 X7R 473K 50V	0.047U	MURATA	1608	1	C708
5	CHIP CERAMIC CAPCITOR	GRM39 Y5V 104Z 50V	0.1U	MURATA	1608	8	C705 C710-713 C716-718
6	CHIP CERAMIC CAPCITOR	GRM39 X7R 152K 50V	1500P	MURATA	1608	1	C721
7	CHIP CERAMIC CAPCITOR	GRM39 COG 200J 50V	20P	MURATA	1608	2	C714-715
8	CHIP CERAMIC CAPCITOR	GRM39 COG 221J 50V	220P	MURATA	1608	1	C706
9	CHIP CERAMIC CAPCITOR	GRM39 X7R 471K 50V	470P	MURATA	1608	1	C707
10	CHIP CERAMIC CAPCITOR	GRM39 X7R 561K 50V	560P	MURATA	1608	1	C719
11	CHIP CERAMIC CAPCITOR	GRM39 COG 820J 50V	82P	MURATA	1608	1	C720
12	CHIP RESISTOR	103 5% 1/16W J	10K	R. OHM KOREA	1608	6	R713 R723 R725 R727 R729 R731
13	CHIP RESISTOR	124 5% 1/16W J	120K	R. OHM KOREA	1608	3	R743-745
14	CHIP RESISTOR	102 5% 1/16W J	1K	R. OHM KOREA	1608	3	R701-702 R714
15	CHIP RESISTOR	105 5% 1/16W J	1M	R. OHM KOREA	1608	1	R716
16	CHIP RESISTOR	222 5% 1/16W J	2.2K	R. OHM KOREA	1608	1	R715
17	CHIP RESISTOR	203 5% 1/16W J	20K	R. OHM KOREA	1608	6	R722 R724 R726 R728 R730 R732
18	CHIP RESISTOR	223 5% 1/16W J	22K	R. OHM KOREA	1608	1	R739
19	CHIP RESISTOR	273 5% 1/16W J	27K	R. OHM KOREA	1608	1	R741
20	CHIP RESISTOR	334 5% 1/16W J	330K	R. OHM KOREA	1608	1	R742
21	CHIP RESISTOR	333 5% 1/16W J	33K	R. OHM KOREA	1608	1	R740
22	CHIP RESISTOR	472 5% 1/16W J	4.7K	R. OHM KOREA	1608	1	R704
23	CHIP RESISTOR	471 5% 1/16W J	470R	R. OHM KOREA	1608	7	R705-710 R747
24	CHIP RESISTOR	473 5% 1/16W J	47K	R. OHM KOREA	1608	6	R733-738
25	CHIP RESISTOR	822 5% 1/16W J	8.2K	R. OHM KOREA	1608	1	R703
26	CHIP TANTAL 10UF 10V SMT-B	293D106X10VA2T	10U/10V	DAEWOO	SMT-B	1	C702
27	CHIP TANTAL 10UF 6.3V SMT-A	293D106X06R3A2T	10U/6V3	DAEWOO	SMT-A	1	C703
28	I.C DUAL OP-AMP	KIA358	KIA358	KEC	SO-8	1	IC703
29	IC. CPU	uPD789025GB	uPD789025GB	NEC	QFP44	1	IC701
30	INDUCTOR SMD LEM2520T 1UH	LEM2520T-1R0J	1UH	TAIYOYUDEN	2520T	2	L701-702
31	KUC4023-010010	CMP-6646	C-MIC	BSE		1	MIC1
32	PUSH SWITCH	SKPS-22004	SW	SEKWANG		1	SW717
33	SMD LED LAMP	GRNL	BL-HX135A-7R	LED(G)	OSTECH	6	D701-706
34	TRANSISTOR	KRA105	KRA105	KEC	SOT-23	1	Q701
35	TRANSISTOR	KRA226	KRA226	KEC	SOT-23	1	Q702
36	TRANSISTOR	KTC3875	KTC3875	KEC	SOT-23	1	Q703
37	VOLTAGE REGULATOR 5V	KIA78S05P	KIA78S05P	KEC	SOT-89	1	IC702

FRONT SECTION

Item	Description	MANUF REF	VALUE	MANUF	PACKAGE	Qty	Reference
1	CHIP CERAMIC CAPCITOR	GRM39 X7R 103K 50V	0.01U	MURATA	1608	3	C802 C804-805
2	CHIP RESISTOR	0R0 5% 1/16W J	0R	R. OHM KOREA	1608	2	R819 R827
3	CHIP RESISTOR	101 5% 1/16W J	100R	R. OHM KOREA	1608	11	R803-810 R822-823 R826
4	CHIP RESISTOR	103 5% 1/16W J	10K	R. OHM KOREA	1608	2	R801 R824
5	CHIP RESISTOR	124 5% 1/16W J	120K	R. OHM KOREA	1608	1	R821
6	CHIP RESISTOR	102 5% 1/16W J	1K	R. OHM KOREA	1608	2	R802 R825
7	CHIP RESISTOR	473 5% 1/16W J	47K	R. OHM KOREA	1608	8	R811-818
8	CHIP TANTAL 10UF 10V SMT-B	293D106X10VA2T	10U/10V	DAEWOO	SMT-B	1	C801
9	CHIP TANTAL 10UF 6.3V SMT-A	293D106X06R3A2T	10U/6V3	DAEWOO	SMT-A	1	C803
10	DUAL VOLUME 20K	TP76D00N(RY-7150)	20K	TOKOS		1	VR801
11	I.C LCD DRIVER	NJU6433	NJU6433	JRC	QFP64	1	IC801
12	ML32XX LCD	ML32XX LCD	LCD	WOOHO		1	LCD1
13	MODUAL TELEPHONE JACT	0623-8P8C-F	MODUAL JACK	DONG-HAN ELEC.		1	J804
14	PCB TO PCB CONNECTOR	TDH-30SG	TDH-30SG			1	J803
15	SMD LED LAMP	GRNL	BL-HX135A-7R	LED(G)	OSTECH	10	D801-810
16	SPEAKER	PB064-A2826	4OHM	STAR SOUND	2.X*1.X INCH	1	SPK
17	TACT SWITCH	DHT 1157AHED-3	SW	DAEHUNG		8	SW801-808
18	TRANSISTOR	KRA226	KRA226	KEC	SOT-23	2	Q801 Q803
19	TRANSISTOR	KTC3875	KTC3875	KEC	SOT-23	2	Q802 Q804
20	VOLTAGE REGULATOR 5V	KIA78S05P	KIA78S05P	KEC	SOT-89	1	IC802

CONTROL SECTION

Item	Description	MANUF REF	VALUE	MANUF	PACKAGE	Qty	
1	3.5795MHz CRYSTAL	3.5795MHZ(49/SMD)	3.5795MHZ	K-WELL	49/SMD	1	XT401
2	AUDIO AMPLIFIER	TDA2003	TDA2003	SGS TOMSON	S-1894/1	1	IC408
3	CHIP CERAMIC CAPCITOR	GRM39 X7R 103K 50V	0.01U	MURATA	1608	6	C408 C411-412 C416 C419-420
4	CHIP CERAMIC CAPCITOR	GRM39 X7R 223K 50V	0.022U	MURATA	1608	7	C443 C445-449 C454
5	CHIP CERAMIC CAPCITOR	GRM39 X7R 273K 50V	0.027U	MURATA	1608	1	C404
6	CHIP CERAMIC CAPCITOR	GRM39 X7R 333K 50V	0.033U	MURATA	1608	1	C406
7	CHIP CERAMIC CAPCITOR	GRM39 X7R 473K 50V	0.047U	MURATA	1608	9	C401 C409 C426 C444 C450-451 C455 C487 C489
8	CHIP CERAMIC CAPCITOR	GRM39 X7R 563K 50V	0.056U	MURATA	1608	2	C402 C418
9	CHIP CERAMIC CAPCITOR	GRM39 Y5V 104Z 50V	0.1U	MURATA	1608	11	C405 C414 C429 C434 C436-437 C442 C452 C453 C473 C502
10	CHIP CERAMIC CAPCITOR	GRM39 X7R 104K 50V	0.1U(K)	MURATA	1608	11	C407 C427 C430 C431 C440 C458 C464 C475 C499 C505 C176
11	CHIP CERAMIC CAPCITOR	GRM39 X7R 224K 50V	0.22U(K)	MURATA	1608	2	C461-462
12	CHIP CERAMIC CAPCITOR	GRM39 X7R 102K 50V	1000P	MURATA	1608	5	C423 C463 C468 C500 C504
13	CHIP CERAMIC CAPCITOR	GRM39 X7R 152K 50V	1500P	MURATA	1608	2	C478 C496
14	CHIP CERAMIC CAPCITOR	GRM39 Y5V 105Z 50V	1U	MURATA	1608	4	C481 C485 C494-495
15	CHIP CERAMIC CAPCITOR	GRM39 COG 200J 50V	20P	MURATA	1608	2	C438-439
16	CHIP CERAMIC CAPCITOR	GRM39 X7R 222K 50V	2200P	MURATA	1608	3	C422 C456 C460
17	CHIP CERAMIC CAPCITOR	GRM39 COG 221J 50V	220P	MURATA	1608	4	C466-467 C503 C506
18	CHIP CERAMIC CAPCITOR	GRM39 X7R 332K 50V	3300P	MURATA	1608	1	C459
19	CHIP CERAMIC CAPCITOR	GRM39 X7R 392K 50V	3900P	MURATA	1608	1	C457
20	CHIP CERAMIC CAPCITOR	GRM40 Y5V 475Z 50V	4.7U	MURATA	2012	4	C413 C486 C488 C510
21	CHIP CERAMIC CAPCITOR	GRM39 X7R 472K 50V	4700P	MURATA	1608	1	C403
22	CHIP CERAMIC CAPCITOR	GRM39 COG 470J 50V	47P	MURATA	1608	2	C433 C492
23	CHIP CERAMIC CAPCITOR	GRM39 X7R 561K 50V	560P	MURATA	1608	4	C410 C417 C480 C498
24	CHIP CERAMIC CAPCITOR	GRM39 COG 820J 50V	82P	MURATA	1608	2	C479 C497
25	CHIP RESISTOR	0R0 5% 1/16W J	0R	R. OHM KOREA	1608	17	R401 R403-405 R419 R425 R440 R443 R446 R448 R485 R487 R495 R507 R529 R545 R563 R585
26	CHIP RESISTOR	152 5% 1/16W J	1.5K	R. OHM KOREA	1608	1	R582
27	CHIP RESISTOR	182 5% 1/16W J	1.8K	R. OHM KOREA	1608	2	R406 R502
28	CHIP RESISTOR	104 5% 1/16W J	100K	R. OHM KOREA	1608	13	R430 R434 R450 R457-458 R505 R509 R512 R514 R547 R551 R554 R561
29	CHIP RESISTOR	103 5% 1/16W J	10K	R. OHM KOREA	1608	10	R427 R464-466 R473 R519 R541 R559-560 R573
30	CHIP RESISTOR	100 5% 1/16W J	10R	R. OHM KOREA	1608	1	R426
31	CHIP RESISTOR	154 5% 1/16W J	150K	R. OHM KOREA	1608	1	R513
32	CHIP RESISTOR	153 5% 1/16W J	15K	R. OHM KOREA	1608	1	R428
33	CHIP RESISTOR	184 5% 1/16W J	180K	R. OHM KOREA	1608	1	R504
34	CHIP RESISTOR	102 5% 1/16W J	1K	R. OHM KOREA	1608	4	R501 R530 R558 R570
35	CHIP RESISTOR	105 5% 1/16W J	1M	R. OHM KOREA	1608	1	R488
36	CHIP RESISTOR	222 5% 1/16W J	2.2K	R. OHM KOREA	1608	5	C477 R410 R412 R422 R444
37	CHIP RESISTOR	225 5% 1/16W J	2.2M	R. OHM KOREA	1608	1	R548
38	CHIP RESISTOR	2R2 5% 1/16W J	2.2R	R. OHM KOREA	1608	1	R537
39	CHIP RESISTOR	272 5% 1/16W J	2.7K	R. OHM KOREA	1608	1	R407
40	CHIP RESISTOR	204 5% 1/16W J	200K	R. OHM KOREA	1608	2	R431 R527
41	CHIP RESISTOR	203 5% 1/16W J	20K	R. OHM KOREA	1608	3	R492 R511 R567
42	CHIP RESISTOR	224 5% 1/16W J	220K	R. OHM KOREA	1608	5	R435 R453 R472 R490 R520
43	CHIP RESISTOR	223 5% 1/16W J	22K	R. OHM KOREA	1608	8	R415 R454-455 R538 R550 R565 R581 R586
44	CHIP RESISTOR	273 5% 1/16W J	27K	R. OHM KOREA	1608	4	R420 R441 R460 R518
45	CHIP RESISTOR	392 5% 1/16W J	3.9K	R. OHM KOREA	1608	3	R421 R424 R442
46	CHIP RESISTOR	334 5% 1/16W J	330K	R. OHM KOREA	1608	6	R414 R416 R449 R528 R568 R250
47	CHIP RESISTOR	333 5% 1/16W J	33K	R. OHM KOREA	1608	5	R491 R510 R516-517 R566
48	CHIP RESISTOR	363 5% 1/16W J	36K	R. OHM KOREA	1608	1	R432
49	CHIP RESISTOR	393 5% 1/16W J	39K	R. OHM KOREA	1608	3	R436 R471 R515
50	CHIP RESISTOR	472 5% 1/16W J	4.7K	R. OHM KOREA	1608	4	R413 R423 R445 R499
51	CHIP RESISTOR	475 5% 1/16W J	4.7M	R. OHM KOREA	1608	2	R451 R521
52	CHIP RESISTOR	474 5% 1/16W J	470K	R. OHM KOREA	1608	1	R408

53	CHIP RESISTOR	473 5% 1/16W J	47K	R. OHM KOREA	1608	33	R437 R467 R474 R476-483 R486 R489 R493 R524-525 R539-540
							R542-544 R553 R556-557 R562 R575-579,R583,R584 R480
54	CHIP RESISTOR	470 5% 1/16W J	47R	R. OHM KOREA	1608	1	R535
55	CHIP RESISTOR	514 5% 1/16W J	510K	R. OHM KOREA	1608	1	R500
56	CHIP RESISTOR	513 5% 1/16W J	51K	R. OHM KOREA	1608	1	R429
57	CHIP RESISTOR	564 5% 1/16W J	560K	R. OHM KOREA	1608	1	R411
58	CHIP RESISTOR	563 5% 1/16W J	56K	R. OHM KOREA	1608	1	R459
59	CHIP RESISTOR	682 5% 1/16W J	6.8K	R. OHM KOREA	1608	1	R536
60	CHIP RESISTOR	684 5% 1/16W J	680K	R. OHM KOREA	1608	1	R523
61	CHIP RESISTOR	623 5% 1/16W J	62K	R. OHM KOREA	1608	1	R498
62	CHIP RESISTOR	752 5% 1/16W J	7.5K	R. OHM KOREA	1608	1	R571
63	CHIP RESISTOR	822 5% 1/16W J	8.2K	R. OHM KOREA	1608	3	R418 R439 R497
64	CHIP RESISTOR TRIMMER	RH03E1C J4X	10K	LG ELECTRONICS	RH03E1C	1	RV401
65	METAL POLY CAPACITOR	334K 63V BOX	0.33UF	YU CHANG ELECTRONIC	AXIXL	1	C121
65	CHIP TANTAL 10UF 6.3V SMT-A	293D106X06R3A2T	10U/6V3	DAEWOO	SMT-A	2	C415 C476
66	CHIP TANTAL 1UF 10V SMT-A	293D105/10VX04A2T	1UF/10V	DAEWOO	SMT-A	1	C435
67	CHIP TANTAL 2.2UF 10V SMT-A	293D 225X10R3A2T	2.2U/10V	DAEWOO	SMT-A	2	C484 C493
68	CHIP TANTAL 22UF 10V SMT-B	293D226/10VX04A2T	22UF/10V	DAEWOO	SMT-B	2	C470-471
69	D-SUB 15P FEMALE RIVET TYPE	DSH03-15F-R	D-SUB 15P	DONG-HAN ELEC.		1	J402
70	DIODE DUAL SWITCHING KDS181	KDS181S A3	KDS181	KEC	SOT-23	1	D402
71	DUAL DIODE KDS226	KDS226	KDS226	KEC	SOT-23	1	D401
72	ELECT CAPICITOR 1000UF 25V	SHL 1E 470UF/25V	470UF/25V	SAMYOUNG ELECTRONICS	10X12.5	1	C472 C474
73	HEADER PIN CONNECTOR	F254-M-30DRG	30PIN	FINE		1	J403
74	I.C COMPANDOR	SL5015	SL5015	AUK	SOP20	1	IC409
75	I.C CPU	TMP87CS68DF	TMP87CS68DF	THOSIBA	QFP80	1	IC401
76	I.C DUAL OP-AMP	KIA358	KIA358	KEC	SO-8	3	IC405 IC407 IC411
77	I.C EPROM	24LC08	24LC08	MICRO CHIP	SO-8	1	IC402
78	I.C QUAD OP AMP	KIA324	KIA324	KEC	SO-16	3	IC403-404 IC406
79	STEREO JACK 3.5mm	ST-3604 3.5mm	EXT SP	SIMON		1	J404
80	TRANSISTOR	KRA104	KRA104	KEC	SOT-23	2	Q404 Q413
81	TRANSISTOR	KRA105	KRA105	KEC	SOT-23	2	Q402 Q409
82	TRANSISTOR	KRC104	KRC104	KEC	SOT-23	9	Q401 Q406-408 Q410 Q412 Q414-416
83	TRANSISTOR	KTA1504	KTA1504	KEC	SOT-23	2	Q403 Q405
84	TRANSISTOR	STB1188Y	STB1188	AUK	SOT-89	1	Q411
85	POWER CORD	POWER CABLE	2PIN			1	CON2

RF SECTION

2002 , 12 ,03

Item	Description	MANUF REF	VALUE	MANUF	PACKAGE	Qty	Reference
1	455KHZ CERAMIC FILTER	M55FW	M55FW	CQ		1	CF1
2	455KHZ CERAMIC FILTER	M55HT	M55HT	CQ		1	CF2
3	CAPISITOR TRIMMER 3DIA BOTTOM ADJUST	TZBX4Z060BE110	6PF	MURATA	TZBX4	2	TC302-303
4	CHIP CERAMIC CAPCITOR	GRM39 X7R 103K 50V	0.01U	MURATA	1608	32	C11 C15 C21 C29 C31 C39 C41 C43 C47-48 C50 C60-61 C72-73 C112-116 C123-124 C128 C132 C138 C140 C142 C144 C154 C157 C172 C175
5	CHIP CERAMIC CAPCITOR	GRM39 X7R 333K 50V	0.033U	MURATA	1608	2	C63 C166
6	CHIP CERAMIC CAPCITOR	GRM39 X7R 104K 50V	0.1U(K)	MURATA	1608	7	C54-57 C66 C133-134
7	CHIP CERAMIC CAPCITOR	GRM39 Y5V 104Z 50V	0.1U	MURATA	1608	16	C59 C62 C118 C120 C122 C125-126 C129-130 C145 C152 C302 C313 C320
8	CHIP CERAMIC CAPCITOR	GRM39 COG 0R5C 50V	0.5P	MURATA	1608	1	C305
9	CHIP CERAMIC CAPCITOR	GRM111 COG 0R5C 500V	0.5P	MURATA	2828	1	C179
10	CHIP CERAMIC CAPCITOR	GRM39 X7R 102K 50V	1000P	MURATA	1608	2	C77 C162
11	CHIP CERAMIC CAPCITOR	GRM42-6 X7R 102K 500V	1000P	MURATA	3216	1	C177
12	CHIP CERAMIC CAPCITOR	GRM39 COG 101J 50V	100P	MURATA	1608	3	C64-65 C180
13	CHIP CERAMIC CAPCITOR	GRM39 COG 100C 50V	10P	MURATA	1608	8	C10 C28 C34 C37 C46 C71 C322 D13
14	CHIP CERAMIC CAPCITOR	GRM39 COG 120J 50V	12P	MURATA	1608	5	C16 C18 C30 C309 C321
15	CHIP CERAMIC CAPCITOR	GRM42-6 COG 120J 500V	12P	MURATA	3216	2	C6 C8
16	CHIP CERAMIC CAPCITOR	GRM39 COG 130J 50V	13P	MURATA	1608	1	C19
17	CHIP CERAMIC CAPCITOR	GRM39 COG 150J 50V	15P	MURATA	1608	2	C316 C324
18	CHIP CERAMIC CAPCITOR	GRM42-6 COG 150J 500V	15P	MURATA	3216	3	C87 C94 C95
19	CHIP CERAMIC CAPCITOR	GRM39 COG 160J 50V	16P	MURATA	1608	1	C2
20	CHIP CERAMIC CAPCITOR	GRM39 COG 180J 50V	18P	MURATA	1608	2	C33 C80
21	CHIP CERAMIC CAPCITOR	GRM39 COG 0R75C 50V	0.75P	MURATA	1608	2	C306 C307
22	CHIP CERAMIC CAPCITOR	GRM39 Y5V 105Z 50V	1U	MURATA	1608	3	C119 C301 C337
23	CHIP CERAMIC CAPCITOR	GRM42-6 COG 020D 500V	2P	MURATA	3216	1	C86
24	CHIP CERAMIC CAPCITOR	GRM39 COG 200J 50V	20P	MURATA	1608	5	C24 C25 C27 C36 C53
25	CHIP CERAMIC CAPCITOR	GRM39 X7R 222K 50V	2200P	MURATA	1608	1	C163
26	CHIP CERAMIC CAPCITOR	GRM39 COG 221J 50V	220P	MURATA	1608	2	C131 C137
27	CHIP CERAMIC CAPCITOR	GRM39 COG 220J 50V	22P	MURATA	1608	3	C40 C109-110
28	CHIP CERAMIC CAPCITOR	GRM42-6 COG 220J 500V	22P	MURATA	3216	2	C88 C178
29	CHIP CERAMIC CAPCITOR	GRM39 COG 270J 50V	27P	MURATA	1608	1	C325
30	CHIP CERAMIC CAPCITOR	GRM111 COG 330J 500V	33P	MURATA	3216	2	C89 C91
31	CHIP CERAMIC CAPCITOR	GRM39 COG 020C 50V	2P	MURATA	1608	1	C333
32	CHIP CERAMIC CAPCITOR	GRM39 COG 300J 50V	30P	MURATA	1608	1	C38
33	CHIP CERAMIC CAPCITOR	GRM42-6 COG 300J 500V	30P	MURATA	1608	1	C178
34	CHIP CERAMIC CAPCITOR	GRM39 COG 330J 50V	33P	MURATA	1608	3	C13 C44 C51
35	CHIP CERAMIC CAPCITOR	GRM42-6 COG 330J 500V	33P	MURATA	3216	1	C99
36	CHIP CERAMIC CAPCITOR	GRM39 COG 390J 50V	39P	MURATA	1608	4	C4 C26 C32 C35
37	CHIP CERAMIC CAPCITOR	GRM39 COG 030C 50V	3P	MURATA	1608	7	C7 C9 C17 C69-70 C312 TC301
38	CHIP CERAMIC CAPCITOR	GRM40 Y5V 475Z 50V	4.7U	MURATA	2012	7	C49 C58 C85 C117 C146 C319 C326
39	CHIP CERAMIC CAPCITOR	GRM39 X7R 471K 50V	470P	MURATA	1608	18	C74 C78 C83-84 C92 C100 C147-149 C158-161 C303 C318 C323 C328 C332
40	CHIP CERAMIC CAPCITOR	GRM40 X7R471K 200V	470P	MURATA	2012	1	C1
41	CHIP CERAMIC CAPCITOR	GRM42-6 X7R 471K 500V	470P	MURATA	3216	1	C107
42	CHIP CERAMIC CAPCITOR	GRM39 COG 470J 50V	47P	MURATA	1608	3	C52 C75 C164
43	CHIP CERAMIC CAPCITOR	GRM39 COG 040C 50V	4P	MURATA	1608	2	C45 C308
44	CHIP CERAMIC CAPCITOR	GRM39 X7R 561K 50V	560P	MURATA	1608	1	C165
45	CHIP CERAMIC CAPCITOR	GRM39 COG 560J 50V	56P	MURATA	1608	1	C79
46	CHIP CERAMIC CAPCITOR	GRM39 COG 050C 50V	5P	MURATA	1608	4	C14 C315 C329 C334
47	CHIP CERAMIC CAPCITOR	GRM42-6 COG 050D 500V	5P	MURATA	3216	2	C101 C108
48	CHIP CERAMIC CAPCITOR	GRM39 COG 060C 50V	6P	MURATA	1608	5	C20 C42 C310 C317 C335
49	CHIP CERAMIC CAPCITOR	GRM39 COG 070C 50V	7P	MURATA	1608	1	C127
50	CHIP CERAMIC CAPCITOR	GRM42-6 COG 070D 500V	7P	MURATA	3216	1	C168
51	CHIP CERAMIC CAPCITOR	GRM42-6 COG 080D 500V	8P	MURATA	3216	2	C96 C97
52	CHIP CERAMIC CAPCITOR	GRM42-6 COG 090D 500V	9P	MURATA	3216	1	C90
53	CHIP CERAMIC CAPISITOR	GRM39 COG 090C 50V	9P	MURATA	1608	1	C304

54	CHIP CERAMIC CAPISITOR	GRM39 COG 080C 50V	8P	MURATA	1608	2	C314 C327
55	CHIP INDUCTOR 1608 100NH	LK1608-R10K-T	100NH	TAIYOYUDEN	1608	3	L4 L9 L310
56	CHIP INDUCTOR 1608 1UH	LK1608-1R0K-T	1UH	TAIYOYUDEN	1608	1	L309
57	CHIP INDUCTOR 1608 2.2UH	LK1608-2R2K-T	2.2UH	TAIYOYUDEN	1608	1	L305
58	CHIP INDUCTOR 1608 220NH	LK1608-R22K-T	220NH	TAIYOYUDEN	1608	5	L21 L301 L303 L307-308
59	CHIP INDUCTOR 1608 22NH	LK1608-22NK-T	22NH	TAIYOYUDEN	1608	1	L15
60	CHIP INDUCTOR 1608 27NH	LK1608-27NK-T	27NH	TAIYOYUDEN	1608	2	L12 L311
61	CHIP INDUCTOR 1608 6.8NH	LK1608-6N8K-T	6.8NH	TAIYOYUDEN	1608	1	L18
62	CHIP INDUCTOR 1608 820NH	LK1608-R82K-T	820NH	TAIYOYUDEN	1608	2	L13 R301
63	CHIP RESISTOR	0R0 5% 1/16W J	0R	R. OHM KOREA	1608	6	R76 R79 C76 L20 LK3 C22
64	CHIP RESISTOR	0R1 1% 1W J	0R1	DELTA CORPORATION	32-11A	4	R97-99 R127
65	CHIP RESISTOR	122 5% 1/16W J	1.2K	R. OHM KOREA	1608	1	R20
66	CHIP RESISTOR	104 5% 1/16W J	100K	R. OHM KOREA	1608	6	R2-3 R6-7 R116 R302
67	CHIP RESISTOR	101 5% 1/16W J	100R	R. OHM KOREA	1608	8	R18 R24 R91 R93 R107 R311 R315 R320
68	CHIP RESISTOR	101 5% 1/10W J	100R	R. OHM KOREA	2012	1	R37
69	CHIP RESISTOR	103 5% 1/16W J	10K	R. OHM KOREA	1608	30	R8-10 R13 R32 R39 R41 R43-44 R50-51 R56 R60 R77-78 R83-85 R88 R105
							R110 R304 R306-307 R310 R312 R316-317 R321 R323
70	CHIP RESISTOR	100 5% 1/16W J	10R	R. OHM KOREA	1608	5	R5 R12 R75 R80-81
71	CHIP RESISTOR	124 5% 1/16W J	120K	R. OHM KOREA	1608	2	R28 R35
72	CHIP RESISTOR	123 5% 1/16W J	12K	R. OHM KOREA	1608	2	R114 R303
73	CHIP RESISTOR	152 5% 1/16W J	1.5K	R. OHM KOREA	1608	4	R58 R62 R121 C156
74	CHIP RESISTOR	154 5% 1/16W J	150K	R. OHM KOREA	1608	1	R21
75	CHIP RESISTOR	153 5% 1/16W J	15K	R. OHM KOREA	1608	6	R15 R30-31 R124-126
76	CHIP RESISTOR	181 5% 1/16W J	180R	R. OHM KOREA	1608	8	C330-331 R46-47 R49 R305 R308 R318
77	CHIP RESISTOR	182 5% 1/16W J	1.8K	R. OHM KOREA	1608	1	R61
78	CHIP RESISTOR	102 5% 1/16W J	1K	R. OHM KOREA	1608	8	R38 R54 R86-87 R90 R92 R118 R128
79	CHIP RESISTOR	105 5% 1/16W J	1M	R. OHM KOREA	1608	1	R115
80	CHIP RESISTOR	222 5% 1/16W J	2.2K	R. OHM KOREA	1608	2	R73 R113
81	CHIP RESISTOR	272 5% 1/16W J	2.7K	R. OHM KOREA	1608	6	R52 R71 R95 R96 R313 R324
82	CHIP RESISTOR	224 1% 1/16W J	220K(1%)	R. OHM KOREA	1608	2	R101-102
83	CHIP RESISTOR	224 5% 1/16W J	220K	R. OHM KOREA	1608	1	R111
84	CHIP RESISTOR	221 5% 1/16W J	220R	R. OHM KOREA	1608	3	R17 R23 R74
85	CHIP RESISTOR	223 5% 1/16W J	22K	R. OHM KOREA	1608	5	R25 R40 R42 R45 R131
86	CHIP RESISTOR	273 5% 1/16W J	27K	R. OHM KOREA	1608	2	R68 R70
87	CHIP RESISTOR	332 5% 1/16W J	3.3K	R. OHM KOREA	1608	2	R22 R117
88	CHIP RESISTOR	330 5% 1/16W J	33R	R. OHM KOREA	1608	1	R53
89	CHIP RESISTOR	333 5% 1/16W J	33K	R. OHM KOREA	1608	1	R82
90	CHIP RESISTOR	392 5% 1/16W J	3.9K	R. OHM KOREA	1608	1	R120
91	CHIP RESISTOR	390 5% 1/16W J	39R	R. OHM KOREA	1608	4	L312 R48 R100 R314
92	CHIP RESISTOR	472 5% 1/16W J	4.7K	R. OHM KOREA	1608	5	R14 R19 R72 R89 R129
93	CHIP RESISTOR	471 5% 1/16W J	470R	R. OHM KOREA	1608	1	R59
94	CHIP RESISTOR	474 5% 1/16W J	470K	R. OHM KOREA	1608	1	R123
95	CHIP RESISTOR	474 5% 1/10W J	470K	R. OHM KOREA	2012	1	R64
96	CHIP RESISTOR	473 5% 1/16W J	47K	R. OHM KOREA	1608	1	R26
97	CHIP RESISTOR	470 5% 1/16W J	47R	R. OHM KOREA	1608	3	R65 R309 R319
98	CHIP RESISTOR	562 5% 1/16W J	5.6K	R. OHM KOREA	1608	1	R94
99	CHIP RESISTOR	563 5% 1/16W J	56K	R. OHM KOREA	1608	3	R4 R11 R34
100	CHIP RESISTOR	682 5% 1/16W J	6.8K	R. OHM KOREA	1608	3	R57 R67 R69
101	CHIP RESISTOR	623 5% 1/16W J	62K	R. OHM KOREA	1608	1	R27
102	CHIP RESISTOR	684 5% 1/16W J	680K	R. OHM KOREA	1608	1	R29
103	CHIP RESISTOR	683 1% 1/16W J	68K(1%)	R. OHM KOREA	1608	2	R103-104
104	CHIP RESISTOR	680 5% 1/16W J	68R	R. OHM KOREA	1608	1	R16
105	CHIP RESISTOR TRIMMER	RH03E1C 03X	4.7K	LG ELECTRONICS	RH03E1C	1	RV1
106	CHIP RESISTOR TRIMMER	RH03E1C 03X	1K	LG ELECTRONICS	RH03E1C	1	RV2
107	CHIP TANTAL 1UF 10V SMT-A	293D105/10VX04A2T	1UF/10V	DAEWOO	SMT-A	1	C67
108	CHIP TANTAL 1UF 16V SMT-A	293D105/16VX04A2T	1UF/16V	DAEWOO	SMT-A	1	C111
109	CHIP TANTAL 22UF 10V SMT-B	293D226/10VX04A2T	22UF/10V	DAEWOO	SMT-B	1	C143

110	COAXIAL CONNECTOR	SMA BJ(F)	ANT	NEWWAVE		1	ANT
110	COIL IFT 455HZ DET		455KHz QUAD	TOKO		1	T1
112	COIL IND 0.28-1.1-6TL SMD	28116TL	28116TL	DAELIM		4	L2-3 L5-6
113	COIL IND 0.45-1.4-2TL SMD	45142TL	45142TL	DAELIM		1	L304
114	COIL IND 0.35-1.6-4TL SMD	35164TL	35164TL	DAELIM		1	L22
115	COIL IND 0.35-1.6-6TL SMD	35166TL	35166TL	DAELIM		1	L19 L306
116	COIL IND 0.4-2.4-5TL SMD	40245TL	40245TL	DAELIM		1	L28
117	COIL IND 0.45-1.4-3TL SMD	45143TL	45143TL	DAELIM		1	L302
118	COIL IND 0.4-4.0-12TL	014012TL	044012TL	DAELIM	AXIAL	1	L24
119	COIL IND 1.2-4.0-1.5TL	124015TL	124015TL	DAELIM	AXIAL	1	L1
120	COIL IND 1.2-4.0-5.5TL	124055TL	124055TL	DAELIM	AXIAL	1	L23
121	COIL IND 1.2-3.0-1.5TL	123015TL	123015TL	DAELIM	AXIAL	2	L25-26
122	DIODE	1N4003	1N4003	ROHM	DO-41	1	D23
123	DIODE DUAL SWITCHING KDS181	KDS181S A3	KDS181	KEC	SOT-23	3	D16 D18-19
124	DUAL DIODE KDS226	KDS226	KDS226	KEC	SOT-23	7	D5 D9 D12 D17 D20-22
125	ELECT CAPICITOR 10UF/16V	SHL 1V 10UF/35V	10UF/35V	SAMYOUNG ELECTRONICS.	5 X 11	2	C151 C507
126	ELECT CAPICITOR 220UF/35V	SHL 1V 220UF/35V	220UF/35V	SAMYOUNG ELECTRONICS.	8 X 11.5	2	C139 C141
127	ELECT CAPICITOR 470UF 25V	SHL 1E 470UF/25V	470UF/25V	SAMYOUNG ELECTRONICS	10 X 12.5	3	C98 C136
128	ELECT CAPICITOR 1000UF 25V	SHL 1E 1000UF/25V	1000UF/25V	SAMYOUNG ELECTRONICS	10 X 20	1	C135
129	FILTER CRYSTAL +/-7.5KHZ	45M15BU	45.1MHz(UM-4)	K-WELL	MCF(UM-4)	1	XF1-2
130	I.C 1.1GHz FREQUENCY SYNTHESIZER	LMX1511TM	LMX1511	NATIONAL SEMICONDUCTOR	TSSOP-20	1	IC1
131	I.C DUAL OP-AMP	KIA358	KIA358	KEC	SO-8	3	IC3 IC6-7
132	INDUCTOR SMD LEM2520T 560NH	LEM2520T-R56J	560NH	TAIYOYUDEN	2520T	1	L14
133	INDUCTOR SMD LEM2520T 33NH	LEM2520T33NJ	33NH	TAIYOYUDEN	2520T	1	L16
134	INDUCTOR SMD LEM2520T 47NH	LEM2520T-47NJ	47NH	TAIYOYUDEN	2520T	2	L8 L11
135	INDUCTOR SMD LEM2520T 56NH	LEM2520T-56NJ	56NH	TAIYOYUDEN	2520T	2	L7 L10
136	LOW POWER NARROW BAND FM IF	DBL5018	DBL5018	DAEWOO	SO-16	1	IC2
137	RF POWER FET 2SK3475	2SK3475	2SK3475	TOSHIBA	SOT-89	1	Q22
138	RF POWER FET 2SK3476	2SK3476	2SK3476	THOSIBA	2-5N1A	1	Q23
139	RF POWER FET RD60HUF1	RD60HUF1	RD60HUF1	MITSUBISHI		1	Q24
140	DIODE	KDS160	KDS160	KEC	USC	1	D305
141	SWITCH DIODE	KDS114	KDS114	KEC	USC	5	D8 D10-11 D14-15
142	SWITCH DIODE UPP9401	UPP9401	UPP9401	ONSEMI		1	D2
143	SCHOTTKY DIODE	MMBD352	MMBD352	ONSEMI	SOT-23	1	D25
144	SWITCH DIODE XB15A402	XB15A402	XB15A402	TOREX	AXIAL	1	D1
145	TCXO MODULE	VX-F4-3.0FX(12.8MHz)	12.8MHZ VCXO	SHINSUNG	VX-F4-3.0FX	1	VCXO
146	TRANSISTOR	2SC4901	2SC4901	HITACHI	SOT-323	8	Q1-2 Q6 Q301-305
147	TRANSISTOR	KRA104	KRA104	KEC	SOT-23	1	Q16
148	TRANSISTOR	KRA105	KRA105	KEC	SOT-23	6	Q3-4 Q31 Q307-309
149	TRANSISTOR	KRA226	KRA226	KEC	SOT-23	1	Q29
150	TRANSISTOR	KRC104	KRC104	KEC	SOT-23	7	Q5 Q8 Q9 Q10 Q26-27 Q33
151	TRANSISTOR	KTA1367	KTA1367	KEC	TO-220	1	Q30
152	TRANSISTOR	KTA2014	KTA2014	KEC	SOT-323	3	Q15 Q18-19
153	TRANSISTOR	KTC3875	KTC3875	KEC	SOT-23	1	Q28
154	TRANSISTOR	KTC4075	KTC4075	KEC	SOT-323	6	Q11-14 Q17 Q20
155	TRANSISTOR	KTC3880S	KTC3880S	KEC	SOT-23	1	Q7
156	TRANSISTOR	MMBR951	MMBR951	KEC	SOT-323	1	Q21
157	UM-4 10PPM CL=32 RS=50 3rd	44.645NHZ	44.645MHZ(UM-4)	K-WELL	UM-4	1	XT1
158	UPRIGHT INDUCTOR WITH CORE	R06-060-008-100AC	CHOKE	DAELIM		1	T2
159	VARICAP DIODE	1SV217	1SV217	THOSIBA	USC	1	D301
160	VARICAP DIODE	KDV154	KDV154	KEC	USC	7	D3-4 D6-7 D302-304
161	VOLTAGE REGULATOR 5V	KIA78S05P	KIA78S05P	KEC	SOT-89	1	IC5
162	VOLTAGE REGULATOR 8V	KIA7808AP	KIA7808AP	KEC	TO-220AB	1	IC4
163	AXIAL RESISTOR	120R 1/2W	120R		AXIAL	1	R1
164	AXIAL RESISTOR	150R 1/8W	150R		AXIAL	2	R112 R119

MIC SECTION

Item	Description	MANUF REF	VALUE	MANUF	PACKAGE	Qty	Reference
1	1COND SH 6COND CURL CORD	KSK-23235	CURL CORD	KOREA SANYO		1	J701
2	CHIP CERAMIC CAPCITOR	GRM39 X7R 103K 50V	0.01U	MURATA	1608	2	C701 C709
3	CHIP CERAMIC CAPCITOR	GRM39 X7R 473K 50V	0.047U	MURATA	1608	1	C708
4	CHIP CERAMIC CAPCITOR	GRM39 Y5V 104Z 50V	0.1U	MURATA	1608	1	C710
5	CHIP CERAMIC CAPCITOR	GRM39 COG 221J 50V	220P	MURATA	1608	1	C706
6	CHIP CERAMIC CAPCITOR	GRM39 X7R 471K 50V	470P	MURATA	1608	1	C707
7	CHIP RESISTOR	0R0 5% 1/16W J	0R	R. OHM KOREA	1608	1	R748
8	CHIP RESISTOR	153 5% 1/16W J	15K	R. OHM KOREA	1608	1	R703
9	CHIP RESISTOR	102 5% 1/16W J	1K	R. OHM KOREA	1608	2	R701-702
10	CHIP RESISTOR	472 5% 1/16W J	4.7K	R. OHM KOREA	1608	1	R704
11	CHIP TANTAL 10UF 10V SMT-B	293D106X10VA2T	10U/10V	DAEWOO	SMT-B	1	C702
12	INDUCTOR SMD LEM2520T 1UH	LEM2520T-1R0J	1UH	TAIYOYUDEN	2520T	2	L701-702
13	MIC	CMP-6646	C-MIC	BSE		1	MIC1
14	PUSH SWITCH	SKPS-22004	SW	SEKWANG		1	SW717