



COMPANY NAME: TOPAZ3, L.L.C..
EUT: SM-3450 MOBILE RADIO
CLIENT REFERENCE NUMBER: QRTL00-316
WORK ORDER NUMBER: 2000301
FCC ID: 07KSM3450U2

16 PARTS LIST FOR UHF

PART LIST

MODEL :6881-R000 SM-3450U MOBILE 99CH U2, 40/10W

SEQ LEVEL	PART-NO	NAME & DESCRIPTION	Q'TY	RTG	REFERENCE-NO
1 2	531-05M-A	MIC ASS'Y			
3	002-103-0Z	FILM RESISTOR 10K 1/ 8W 5% ST	1EA	FIN	R904
3	002-122-7Z	FILM RESISTOR 1.2K 1/ 8W 5% ST	1EA	SUB	R902
3	002-471-2Z	FILM RESISTOR 470 1/ 8W 5% ST	1EA	SUB	R903
3	002-473-4Z	FILM RESISTOR 47K 1/ 8W 5% ST	1EA	SUB	R901
3	101-025-9	ELECT CAPACITOR 10UF 50V 20% 5X11	1EA	SUB	C906
3	113-306-6Z	MYLAR CAPACITOR 0.033UF 50V 10% S	1EA	SUB	C904
3	130-164-6Z	AXIAL CERAMIC 0.1UF SA105E104ZAA 50V	1EA	SUB	C901
3	130-188-8	AXIAL CERAMIC 0.01UF EP050Y103MN 16V	2EA	SUB	C902.905
3	134-710-8	DISK CERAMIC 470PF B 471K 50V	1EA	SUB	C907
3	134-761-4Y	CHIP CERAMIC 470PF GRM40 COG471J 50V P1	1EA	MAN	C903
3	310-381-0	COIL AXIAL 1MH:LAL03TB102K	1EA	SUB	L901
3	406-805	P.C.B MIC 32 X30 X1.2 94V01/0 MA2472	1EA	FIN	
3	420-205-9Y	MIC CONDENSER KUC4023-010010	1EA	MAN	MIC901
3	420-399-5	HANDSET CORD 5COND.1SH. KSK-23096	1EA	MAN	CORD901
3	432-003-6Z	SW PUSH SLIDE SPS-9522-4	1EA	MAN	SW901
3	612-188	(+)MACHINE SCREW(PH)M2X8 (+)PH ZN-PLAT	1EA	FIN	
3	642-044	(+)WOOD SCREW (R+FH)2.7X16-1S (+)R+FH NI-P	4EA	FIN	
3	719-006-AA	COVER UPPER ABS94HB BLK	1EA	FIN	
3	719-007-A	COVER BOTTOM ABS 94HB BLK	1EA	FIN	
3	732-874-A	HOLDER(MIC) BSBM CR-PLAT (MA-2472)	1EA	FIN	
3	740-548	LEVER ABS 94HB BLK	1EA	FIN	
3	752-255	TERMINAL(IC MTG) SPTE 5X11XT0.3	1EA	FIN	
3	795-646	OVERLAY LEXAN T0.25	1EA	FIN	

3	892-890	HOLDER(MIC)	&9.8X&11.4XT7 RUBB.BLK	1EA	FIN	
3	895-146	CUSHION	&13X16 RUBBER SPONGE BLK	1EA	FIN	
3	906-612	DOUBLE TAPE	13.9&9.1&XT0.4 3M#4920(MA2471	1EA	FIN	
3	921-520-E	POLYBAG	P.E 150X200XT0.05	1EA	FIN	
2	2	568-62C-CS	CTL.CIRCUIT SMD ASSY			
3	05B-000-5Z	CHIP RESISTOR	0 1/16W 5% T 1608	13EA	SMD	R505-7,R514,515,R517,R531 R539,545,546,R400,435,440
3	05B-102-4Z	CHIP RESISTOR	1K 1/16W 5% T 1608	11EA	SMD	R424, R560,R447,R450,451,R456 R458-462, R478-479, R483,R484
3	05B-103-5Z	CHIP RESISTOR	10K 1/16W 5% T 1608	4EA	SMD	R513.516.519.550
3	05B-104-6Z	CHIP RESISTOR	100K 1/16W 5% T 1608	13EA	SMD	R432,R433,R437,R438,R527 R532,R533,R542,R543,R548,R556 R558,R559
3	05B-105-7Z	CHIP RESISTOR	1M 1/16W 5% T 1608	3EA	SMD	R5189,521,544
3	05B-122-2Z	CHIP RESISTOR	1.2K 1/16W 5% T 1608	6EA	SMD	R497,R500,R509-512
3	05B-124-4Z	CHIP RESISTOR	120K 1/16W 5% T 1608	2EA	SMD	R434, R439
3	05B-153-0Z	CHIP RESISTOR	15K 1/16W 5% T 1608	1EA	SMD	R540
3	05B-184-8Z	CHIP RESISTOR	180K 1/16W 5% T 1608	1EA	SMD	R541
3	05B-220-7Z	CHIP RESISTOR	22 1/16W 5% T 1608	2EA	SMD	R537, R538
3	05B-221-8Z	CHIP RESISTOR	220 1/16W 5% T 1608	61EA	SMD	R561, R562, R563, R401-23 R425-431, 441-446, 448, 449 R452, R457, 463-465, 467-474 R476, 480, 485, 488, 489, 547 R552
3	05B-224-1Z	CHIP RESISTOR	220K 1/16W 5% T 1608	2EA	SMD	R529, R530
3	05B-273-5Z	CHIP RESISTOR	27K 1/16W 5% T 1608	3EA	SMD	R522, R524, R526
3	05B-333-6Z	CHIP RESISTOR	33K 1/16W 5% T 1608	4EA	SMD	R520, R551, R553, R557
3	05B-334-7Z	CHIP RESISTOR	330K 1/16W 5% T 1608	2EA	SMD	R554, R555
3	05B-472-8Z	CHIP RESISTOR	4.7K 1/16W 5% T 1608	2EA	SMD	R477,R492
3	05B-473-9Z	CHIP RESISTOR	47K 1/16W 5% T 1608	12EA	SMD	R481, R482, R486, R487, R490 R491, 501, 503, 523, 534 - 536

3	05B-474-0Z	CHIP RESISTOR	470K	1/16W 5% T 1608	4EA	SMD	R475, 498, 499, 528
3	05B-475-1Z	CHIP RESISTOR	4.7M	1/16W 5% T 1608	1EA	SMD	R493
3	05B-564-8Z	CHIP RESISTOR	560K	1/16W 5% T 1608	1EA	SMD	R549
3	05B-623-8Z	CHIP RESISTOR	62K	1/16W 5% T 1608	1EA	SMD	R504
3	05B-683-2Z	CHIP RESISTOR	68K	1/16W 5% T 1608	1EA	SMD	R525
3	130-A75-8Y	CHIP CERAMIC	0.001UF	GRM39 X7R102K 50V P2EA	SMD		C504, 506
3	130-A73-6Y	CHIP CERAMIC	0.01UF	GRM39 X7R103K 25V P	38EA	SMD	C411 - 415, 420, 421, 429 - 433, 435 C437 - 441, 443 - 453, 460, 461, 465 C466, C485, 491
3	130-A74-7Y	CHIP CERAMIC	0.1UF	GRM39 Y5V104Z 25V PT	3EA	SMD	C469, 470, 471
3	131-100-6Y	CHIP CERAMIC	0.1UF	GRM39 X7R104K 50V PT	1EA	SMD	C468
3	130-A60-4Y	CHIP CERAMIC	0.1UF	GRM40 X7R104K 25V PT	1EA	SMD	C480
3	130-170-0Y	CHIP CERAMIC	0.1UF	GRM40 Y5V104Z 25V PT	8EA	SMD	C475, 479, 490, 492, 493, 499, 503 C505
3	130-261-9Y	CHIP CERAMIC	0.022UF	GRM39 X7R223K 50V P2EA	SMD		C486, 494
3	130-340-7Y	CHIP CERAMIC	0.0033UF	GRM39 X7R332K 50V P3EA	SMD		C482, 487, 495
3	130-432-7Y	CHIP CERAMIC	0.0047UF	GRM39 X7R472K 50V P4EA	SMD		C484, 488, 496, 497
3	130-624-4	CHIP CERAMIC	0.68UF	GRM40 Y5V684Z 16V PT	4EA	SMD	C481, C500 - 502
3	132-259-8Y	CHIP CERAMIC	22PF	GRM39 C0G220J 50V PT2EA	SMD		C472, 473
3	132-260-8Y	CHIP CERAMIC	220PF	GRM39 COG221J 50V P1	1EA	SMD	C477
3	134-770-2Y	CHIP CERAMIC	470PF	GRM39 X7R 471K 50V P3	1EA	SMD	C401 - 410, C416 - 419, C422 - 427 C434, C436, C454 - 459, C462 - 464 C483
3	141-059-2	CHIP TANTALUM	10UF	293D106X06R3A2T6.3V	2EA	SMD	C467, C498
3	141-051-4Z	CHIP TANTALUM	10UF	293D106X0016C2T16V	1EA	SMD	C476
3	144-734-3Y	CHIP TANTALUM	4.7UF	TCM1V475DSSR 35V	1EA	SMD	C478
3	202-091-4	BRT	KRA104SPD	(SOT-23)	2EA	SMD	Q402, Q405
3	202-095-8Z	TRANSISTOR	KRC104SND		5EA	SMD	Q401, Q404, Q406 - 408
3	243 - 104 - 0	TRANSISTOR	KDS160		8EA	SMD	D401 - 408
3	221 - 488 - 1	I.C	H8S2144	- QFP100	1EA	SMD	IC401
3	221-196-7	I.C EEPROM	X25330SI	(SOIC8PIN)	1EA	SMD	IC403

3	220-378-0	I.C REGULATOR	KIA78L05F (SOT-89)(LM-245C	1EA	SMD	IC404
3	222-018-5A	I.C	KIA324F-EL (SL70WU-IC)	3EA	SMD	IC417
3	223-224-9	I.C	MC14066BDR2 (SO-14) (TP-4800)	1EA	SMD	IC401
3	223-261-2	I.C	MC14053BD (SO-16) (TP-4800)	3EA	SMD	IC409, 414, 416
3	231-064-4	I.C OP AMP	LM358MX	2EA	SMD	IC407, 408
3	262 - 775 - 7	3.579545M 50PM 12P	FUNDCRYSTAL CH	1EA	SMD	X401
3	221 - 492 - 4	IC ASIC	XRC5640C	1EA	SMD	IC402
3	310 - 659 - 2	COIL CHIP	10UH : LER015T100K	1EA	SMD	L401
3	421 - 287 - 8	CONNECTOR	22PIN CLT - 111 - 02-F - D - TR	1EA	SMD	CON403
3	421 - 288 - 9	CONNECTOR	14PIN CLT - 107 - 02-F - D - TR	1EA	SMD	CON404
3	421 - 289 - 0	CONNECTOR	6PIN CLT - 103 - 02-F - D - TR	1EA	SMD	CON405
3	2	568-62C-MA	CTL. CIRCUIT MANUAL ASS'Y			
3	422 - 656 - 3	CONNECTOR	15PIN D-SUB	1EA	MAN	CON402
3	421 - 676 - 6	CONNECTOR	24PIN	1EA	MAN	CON401
4	2	568-62E-MA	ESC MANUAL ASS'Y			
3	251-168-1	LED LAMP	SPR-39MVW3(RED/GRN) 3V	1EA	MAN	LED802
3	251-027-7Z	LED LAMP	LTL-16KG GRN 5 V 100MW	1EA	MAN	LED809
3	251-053-0	LED LAMP	SLR 34YY3 YEL	1EA	MAN	LED808
3	251-260-0	LED LAMP	SM-3314 4 V 85MW	4EA	MAN	LED803-6
3	252-150-9	LED DISPLAY	UL-YG248C-P17 (DSM-409-9	1EA	MAN	LED801
3	420 - 127 - 1	SPEAKER	22 OHM 5.0W 71MM PB7401A3Y26	1EA	MAN	SP801
3	420 - 801 - 7	JACK MODULAR	8 PIN	1EA	MAN	CON802
3	422 - 267 - 5	HEADER PIN CONNECTOR		1EA	MAN	CON801
3	422-267-5	2PIN CONNECTOR		1EA	MAN	CON803
3	436-038-8	TACT SWITCH	SKHH10914A	6EA	MAN	SW801-6
3	450-523-5	VR	20KA:RK0971111-5R1211	1EA	MAN	VR801
3	450-524-6	VR	20KB:RK0971110	1EA	MAN	VR802
3	504-671	2P HOUSING ASS'Y		1EA	MAN	CON804

3	134-710-8	DISK CERAMIC	470PF	B 471K 50V	1EA	SUB	
5 2	568-62E-SA	ESC SMD ASS'Y					
3	060-000-8Z	CHIP RESISTOR	0	1/10W 5% T 2012	1EA	SMD	RLK801, RD804
3	060 - 221 - 1Z	CHIP RESISTOR	220	1/10W 5% T 2012	4EA	SMD	R805-808
3	060-473-2Z	CHIP RESISTOR	47K	1/10W 5% T 2012	1EA	SMD	R801
3	060-680-2Z	CHIP RESISTOR	68	1/10W 5% T 12012	18EA	SMD	R803, R809 - 825
3	130-172-2Y	CHIP CERAMIC	0.01UF	GRM40 X7R103K 50V PT1	1EA	SMD	C811
3	132-220-2Y	CHIP CERAMIC	220PF	GRM40 COG221J 50V P1	4EA	SMD	C801-804
3	141-051-4Z	CHIP TANTALUM	10UF	293D106X0016C2T16V	1EA	SMD	C812
3	144-729-8Z	CHIP TANTALUM	47UF	293D106X0016C2T16V	1EA	SMD	C810
3	202-096-9	BRT	KRC110SNK	(SOT-23)	4EA	SMD	Q801.802.804.805
3	220-378-0	I.C REGULATOR	KIA78L05F	(SOT-89)(LM-245C	1EA	SMD	IC807
3	229-437-5Z	I.C CMOS	MC14511BD	(SO-16)	3EA	SMD	IC804-6
3	241-099-9	DIODE ZENER	BZX84C-5V1	5.1V 0.3W (SOT-23)	5EA	SMD	D801-803, 805, 806
6 2	568-62F-A	FRAME ASS'Y					
3	427-411-4A	WIRE EMI GASKET	43SM20	(SM-2450)		MAN	
7 2	568-62M-BM	MAIN B'D MANUAL ASSY					
3	101-A02-8	ELECT CAPACITOR	1000UF	25V 20% 12X16	1EA	MAN	C166
3	101-025-9	ELECT CAPACITOR	10UF	50V 20% 5X11	1EA	MAN	C114
3	102-224-7	ELECT CAPACITOR	220UF	25V 20% 10X12	2EA	MAN	C150, 155
3	104-713-2	ELECT CAPACITOR	47UF	25V 20% 6X11	2EA	MAN	C84, 140
3	181-005-5	FEED THROUGH CAP	0.001UF	PLE33ANYE102P	1EA	MAN	CF101
3	030-121-5Z	FILM RESISTOR	120	1/ 2W 5% ST MINI	2EA	MAN	R90, 93
3	030-331-8Z	FILM RESISTOR	330	1/ 2W 5% ST MINI	1EA	MAN	R92
3	180-126-6	METAL POLY CAP	0.01UF	103K 63V BOX	2EA	MAN	C18, 19
3	180-209-8	METAL POLY CAP	0.022UF	223K 63V BOX	1EA	MAN	C20
3	180-301-7	METAL POLY CAP	0.33UF	334K 63V BOX	1EA	MAN	C21
3	202-066-2	TRANSISTOR	KTB1367		1EA	MAN	Q27

3	222-013-0A	I.C REGULATOR	KIA7808PI (TO220IS)(70-7026)	1EA	MAN	IC5
3	221-478-2	I.C	TDA1519A	1EA	MAN	IC6
3	221-480-3	POWER MODULE	40W M57788H (440 - 470 M)	1EA	MAN	IC7
3	245-008-7Z	DIODE RECTIFIER	1N5404	1EA	MAN	D15
3	243 - 141 - 3	XB15A301		1EA	MAN	D12
3	243 - 142 - 4	XB15A402		1EA	MAN	D10
3	263-418-0	44.645M	-30 15PPM 32P 3RD CRYSTAL NR	1EA	MAN	X1
3	271-165-4	45Y15BN	(45.1MHZ)	1EA	MAN	XF1
3	270-007-0Z	FILTER CERAMIC	CF455HT	1EA	MAN	CF2
3	270-027-8Z	FILTER CERAMIC	LT455FW	1EA	MAN	CF1
3	300-008-1	TRANSFORMER	CHOKE	1EA	MAN	T101
3	311-158-1	COIL SPRING	1.5X0.45X6T:L	2EA	MAN	L11, 13
3	311-178-9	COIL SPRING	2.5X0.5X10T:R	1EA	MAN	L23
3	311-179-0	COIL SPRING	2.5X0.7X3T:R	1EA	MAN	L28
3	311-180-1	COIL SPRING	2.5X1.2X3T:L	4EA	MAN	L24 -27
3	320-536-5	CORE BEAD	56 59065 - 4B	1EA	MAN	FB1
3	420-806-2	JACK MINIATURE	HSJ1501-011010	1EA	MAN	J2
3	423 - 843 - 0	PIG TAIL ANT CONNECTOR		1EA	MAN	ANT1
3	505-035	2P PLUG ASS'Y	(POWER CORD)	1EA	MAN	CORD1
8	2	568-62M-BS	MAIN B'D SMD ASS'Y			
3	05B-000-5Z	CHIP RESISTOR	0 1/16W 5% T 1608	3EA	SMD	RLK2, RD903, R19
3	05B-100-2Z	CHIP RESISTOR	10 1/16W 5% T 1608	1EA	SMD	R908
3	05B-101-3Z	CHIP RESISTOR	100 1/16W 5% T 1608	7EA	SMD	R3, 13, 16, 24, 45, 52, 68
3	05B-102-4Z	CHIP RESISTOR	1K 1/16W 5% T 1608	3EA	SMD	R31, 42, 46
3	05B-103-5Z	CHIP RESISTOR	10K 1/16W 5% T 1608	9EA	SMD	R5, 38, 56, 57, 63 - 65, 121, 172
3	05B-104-6Z	CHIP RESISTOR	100K 1/16W 5% T 1608	2EA	SMD	R4, 203
3	05B-122-2Z	CHIP RESISTOR	1.2K 1/16W 5% T 1608	1EA	SMD	R20
3	05B-123-3Z	CHIP RESISTOR	12K 1/16W 5% T 1608	1EA	SMD	R11
3	05B-180-4Z	CHIP RESISTOR	18 1/16W 5% T 1608	2EA	SMD	R22, 28

3	05B-182-6Z	CHIP RESISTOR	1.8K	1/16W 5% T 1608	6EA	SMD	R7, 8, 10, 47, 49, 55
3	05B-183-7Z	CHIP RESISTOR	18K	1/16W 5% T 1608	2EA	SMD	R39, 40
3	05B-202-1Z	CHIP RESISTOR	2K	1/16W 5% T 1608	1EA	SMD	R9
3	05B-220-7Z	CHIP RESISTOR	22	1/16W 5% T 1608	1EA	SMD	R69
3	05B-222-9Z	CHIP RESISTOR	2.2K	1/16W 5% T 1608	5EA	SMD	R2, 6, 74, 901, 902
3	05B-223-0Z	CHIP RESISTOR	22K	1/16W 5% T 1608	8EA	SMD	R29, 30, 34, 35, 53, 60, 62, 66
3	05B-224-1Z	CHIP RESISTOR	220K	1/16W 5% T 1608	1EA	SMD	R43
3	05B-243-8Z	CHIP RESISTOR	24K	1/16W 5% T 1608	1EA	SMD	R32
3	05B-272-4Z	CHIP RESISTOR	2.7K	1/16W 5% T 1608	7EA	SMD	R14, 18, 27, 36, 37, 70, 179
3	05B-273-5Z	CHIP RESISTOR	27K	1/16W 5% T 1608	2EA	SMD	R905, 907
3	05B-301-7Z	CHIP RESISTOR	300	1/16W 5% T 1608	2EA	SMD	R25, 26
3	05B-331-4Z	CHIP RESISTOR	330	1/16W 5% T 1608	1EA	SMD	R101
3	05B-391-8Z	CHIP RESISTOR	390	1/16W 5% T 1608	1EA	SMD	R1
3	05B-393-0Z	CHIP RESISTOR	39K	1/16W 5% T 1608	2EA	SMD	R41, 122
3	05B-471-7Z	CHIP RESISTOR	470	1/16W 5% T 1608	2EA	SMD	R178, 909
3	05B-472-8Z	CHIP RESISTOR	4.7K	1/16W 5% T 1608	2EA	SMD	R23, 903
3	05B-473-9Z	CHIP RESISTOR	47K	1/16W 5% T 1608	1EA	SMD	R33
3	05B-474-0Z	CHIP RESISTOR	470K	1/16W 5% T 1608	2EA	SMD	R44, 123
3	05B-510-9Z	CHIP RESISTOR	51	1/16W 5% T 1608	1EA	SMD	R67
3	05B-512-1Z	CHIP RESISTOR	5.1K	1/16W 5% T 1608	2EA	SMD	R100, 105
3	05B-513-2	CHIP RESISTOR	51K	1/16W 5% T 1608	1EA	SMD	R48
3	05B-562-6Z	CHIP RESISTOR	5.6K	1/16W 5% T 1608	2EA	SMD	R17, 21
3	05B-752-1Z	CHIP RESISTOR	7.5K	1/16W 5% T 1608	2EA	SMD	R904, 906
3	05B-911-8Z	CHIP RESISTOR	910	1/16W 5% T 1608	2EA	SMD	R12, 15
3	060-000-8Z	CHIP RESISTOR	0	1/10W 5% T 2012	3EA	SMD	R73, 102, R176
3	060-100-5Z	CHIP RESISTOR	10	1/10W 5% T 2012	1EA	SMD	R79
3	060-103-8Z	CHIP RESISTOR	10K	1/10W 5% T 2012	2EA	SMD	R88, 96, 98
3	060-122-5Z	CHIP RESISTOR	1.2K	1/10W 5% T 2012	2EA	SMD	R86, 87
3	060-123-6Z	CHIP RESISTOR	12K	1/10W 5% T 2012	1EA	SMD	R71
3	060-182-9Z	CHIP RESISTOR	1.8K	1/10W 5% T 2012	1EA	SMD	R99
3	060-229-9Z	CHIP RESISTOR	2.2	1/10W 5% T 2012	3EA	SMD	R119, 120, 171

3	060-222-2Z	CHIP RESISTOR	2.2K 1/10W 5% T 2012	1EA	SMD	R74
3	060-331-7Z	CHIP RESISTOR	330 1/10W 5% T 2012	1EA	SMD	R170
3	060-332-8Z	CHIP RESISTOR	3.3K 1/10W 5% T 2012	2EA	SMD	R91, 94
3	060-470-9Z	CHIP RESISTOR	47 1/10W 5% T 2012	1EA	SMD	R106
3	060-471-0Z	CHIP RESISTOR	470 1/10W 5% T 2012	4EA	SMD	R78, 80, 95, 97
3	060-474-3Z	CHIP RESISTOR	470K 1/10W 5% T 2012	1EA	SMD	R89
3	060-561-8Z	CHIP RESISTOR	560 1/10W 5% T 2012	1EA	SMD	R75
3	060-682-4Z	CHIP RESISTOR	6.8K 1/10W 5% T 2012	1EA	SMD	R72
3	075-103-6	RES.CHIP TRIMMER	10K RH03E1CJ4X	1EA	SMD	RV4
3	075-472-8	RES.CHIP TRIMMER	4.7K RH03E1CS3X	1EA	SMD	RV5
3	098-333-8	THERMISTOR CHIP	33K NTCCS32163SH333KC	1EA	SMD	TH1
3	130-A48-4Y	CHIP CERAMIC	0.0015UF GRM39 X7R152K 50V P	1EA	SMD	C53
3	130-A75-8Y	CHIP CERAMIC	0.001UF GRM39 X7R102K 50V P	4EA	SMD	C11, 46, 49, 70
3	130-A17-6Y	CHIP CERAMIC	0.001UF GRM40 X7R102K 50V P	11EA	SMD	C78, 127, 143, 144, 149, 151, 154, 191
						C194, 195, 197
3	131-025-8Y	CHIP CERAMIC	0.001UF GRM422COG102K100V	1EA	SMD	C129
3	130-A73-6Y	CHIP CERAMIC	0.01UF GRM39 X7R103K 25V	16EA	SMD	C1, 44, 51, 57, 61, 65, 71, 74, 164, 185
						C901 - 904, 910, 911
3	130-172-2Y	CHIP CERAMIC	0.01UF GRM40 X7R103K 50V PT	2EA	SMD	C137, 159
3	130-A60-4Y	CHIP CERAMIC	0.1UF GRM40 X7R104K 25V PT	5EA	SMD	C47, 55, 56, 64, 66
3	130-170-0Y	CHIP CERAMIC	0.1UF GRM40 Y5V104Z 25V PT	1EA	SMD	C180
3	130-A74-7Y	CHIP CERAMIC	0.1UF GRM39 Y5V104Z 25V PT	6EA	SMD	C5, 7, 10, 17, 62, 907
3	130-341-8Y	CHIP CERAMIC	0.033UF GRM39 X7R333K 16V P	1EA	SMD	C54
3	130-425-1	CHIP CERAMIC	0.047UF GRM40 X7R473J 25V P	1EA	SMD	C141
3	130-290-5Y	CHIP CERAMIC	0.22UF GRM40 X7R224K 25V PT	1EA	SMD	C182
3	131-123-3Y	CHIP CERAMIC	1PF GRH111 COG010C500V	12EA	SMD	C122,133
3	131-089-7Y	CHIP CERAMIC	1UF GRM40 Y5V105Z 16V PT	5EA	SMD	C16, 42, 75, 76, 198
3	131-092-8Y	CHIP CERAMIC	10PF GRM39 COG100D 50V P	12EA	SMD	C52, 69
3	131-039-1Y	CHIP CERAMIC	10PF GRM40 COG100C 50V P	12EA	SMD	C79, 89
3	131-093-9Y	CHIP CERAMIC	100PF GRM39 COG101J 50V P	1EA	SMD	C63

3	131-240-5Y	CHIP CERAMIC	12PF	GRM39 COG120J 50V PT 1EA	SMD	C40
3	131-208-7Y	CHIP CERAMIC	12PF	GRM40 COG120J 50V PT 1EA	SMD	C160
3	131-203-3Z	CHIP CERAMIC	12PF	GRH111 COG120J500V 11EA	SMD	C132
3	131-211-9	CHIP CERAMIC	120PF	GRM40 COG121J 50V P11EA	SMD	C171
3	131-405-8Y	CHIP CERAMIC	14PF	GRM39 COG140J 50V PT 1EA	SMD	C39
3	131-511-0Y	CHIP CERAMIC	15PF	GRM40 COG150J 50V PT 1EA	SMD	C33
3	131-834-2Y	CHIP CERAMIC	18PF	GRM39 COG180J 50V PT 2EA	SMD	C905, 906
3	132-259-8Y	CHIP CERAMIC	22PF	GRM39 COG220J 50V PT 1EA	SMD	C37
3	132-216-9Y	CHIP CERAMIC	22PF	GRM40 COG220J 50V PT 1EA	SMD	C161
3	132-260-8Y	CHIP CERAMIC	220PF	GRM39 COG221J 50V P110EA	SMD	C22, 24, 25, 28, 29, 31, 36, 58 C165, 173
3	132-220-2Y	CHIP CERAMIC	220PF	GRM40 COG221J 50V P120EA	SMD	C83, 85, 124, 125, 126, 136, 142, 145 C146, 148, 152, 153, 156, 157, 170 C176, 190, 192, 193, 196
3	132-714-2Y	CHIP CERAMIC	27PF	GRM40 COG270J 50V PT 1EA	SMD	C35
3	133-014-8Y	CHIP CERAMIC	3PF	GRM40 COG030C 50V P 2EA	SMD	C90, 123
3	133-349-1Y	CHIP CERAMIC	33PF	GRM39 COG330J 50V PT 3EA	SMD	C67, 88, 908
3	133-350-1Y	CHIP CERAMIC	330PF	GRM39 COG331J 50V P11EA	SMD	C4
3	134-017-6Y	CHIP CERAMIC	4PF	GRH111 COG040C500V 11EA	SMD	C130
3	134-767-0Y	CHIP CERAMIC	4.7PF	GRM40 COG4R7C 50V P 1EA	SMD	C82
3	134-757-1Y	CHIP CERAMIC	47PF	GRM39 COG470J 50V PT 2EA	SMD	C50, 68
3	134-722-1Y	CHIP CERAMIC	47PF	GRM40 COG470J 50V PT 2EA	SMD	158, 162
3	134-761-4Y	CHIP CERAMIC	470PF	GRM40 COG471J 50V P14EA	SMD	C87, 135, 147, 177
3	134-770-2Y	CHIP CERAMIC	470PF	GRM39 X7R471K 50V PT 10EA	SMD	C2, 6, 9, 12, 14, 15, 23, 48, 77, 105
3	135-021-4Y	CHIP CERAMIC	5PF	GRM39 COG050C 50V PT 2EA	SMD	C27, 134
3	136-014-3Y	CHIP CERAMIC	6PF	GRM39 COG060D 50V PT 2EA	SMD	C3, 30
3	136-005-5Y	CHIP CERAMIC	6PF	GRM40 COG060D 50V PT 2EA	SMD	C34, 81
3	137-007-1Y	CHIP CERAMIC	7PF	GRM40 COG070D 50V PT 1EA	SMD	C32
3	138-011-0Y	CHIP CERAMIC	8PF	GRM39 COG080D 50V PT 1EA	SMD	C45
3	138-215-8Z	CHIP CERAMIC	8.2PF	GRH111 COG8R2D500V 11EA	SMD	C131
3	138-232-3Y	CHIP CERAMIC	82PF	GRM39 COG820J 50V PT 1EA	SMD	C38

3	138-210-3Y	CHIP CERAMIC	82PF	GRM40 COG820J 50V PT	1EA	SMD	C163
3	141-046-0Z	CHIP TANTALUM	10UF	293D106X0010B2T10V	2EA	SMD	C73, 174
3	141-051-4Z	CHIP TANTALUM	10UF	293D106X0016C2T16V	1EA	SMD	C175
3	141-059-2	CHIP TANTALUM	10UF	293D106X06R3A2T6.3V	1EA	SMD	C8
3	144-734-3Y	CHIP TANTALUM	4.7UF	TCM1V475DSSR 35V	1EA	SMD	C172
3	144-722-2Z	CHIP TANTALUM	4.7UF	293D475X0010A2T10V	4EA	SMD	C13, 26, 43, 72
3	144-729-8Z	CHIP TANTALUM	47UF	293D476X0016E2T16V	1EA	SMD	C178
3	200-003-5	TRANSISTOR	BFR92A REEL	(SOT-23)	2EA	SMD	Q16, 18
3	220-183-4	TRANSISTOR	BFG135	(SOT-223)	1EA	SMD	Q20
3	202-092-5	BRT	KRA110SPK	(SOT-23)	2EA	SMD	Q7,. 8
3	202-095-8Z	TRANSISTOR	KRC104SND		7EA	SMD	Q9, 10, 15, 29, 31, 33, 40
3	202-106-5	TRANSISTOR	KTA1504SY	(SOT-23)	2EA	SMD	Q4, 5
3	202-113-1	TRANSISTOR	KTC3875S(BL)		6EA	SMD	Q3, 6, 13, 14, 17,28
3	200-113-1	TRANSISTOR	KTC4075		4EA	SMD	Q901, 903 - 905
3	200-114-2	TRANSISTOR	KTA2014		1EA	SMD	Q902
3	203-111-4	TRANSISTOR	BCX-18LT1	(SOT-23)	1EA	SMD	Q30
3	203-181-7	TRANSISTOR	MMBR951	(SOT-23)	1EA	SMD	Q19
3	218-057-7Z	TRANSISTOR	KRA104S		2EA	SMD	Q2, 12
3	220-131-3	I.C PLL	MC145191F	(SO-20) (RS-440)	1EA	SMD	IC2
3	241-122-6	HSMS - 2817 - TR1	DIODE SCHO		1EA	SMD	D5
3	220-378-0	I.C REGULATOR	KIA78L05F	(SOT-89)(LM-245C	1EA	SMD	IC4
3	223-453-9	I.C POWER FM IF	MC3372D	(SO-16)	1EA	SMD	IC3
3	231-064-4	I.C OP AMP	LM358MX		1EA	SMD	IC8
3	243-012-0	DIODE	MMBV3401LT1		2EA	SMD	D6, 7
3	243-051-5	DIODE SI CHIP	KDS184S	(SOT-23)	1EA	SMD	D8
3	243-052-6	DIODE SI CHIP	KDS193		4EA	SMD	D3, 11, 13,16
3	243-063-6	DIODE SWITCHING	KDS181SA3		2EA	SMD	D1, 2
3	243-049-4Z	DIODE SI CHIP	KDS226		2EA	SMD	D901, 902
3	243-087-8	DIODE CHIP	UPP9401(T&R)50V	2.5W	1EA	SMD	D14
3	270-314-7	CDBC455CX16 - TC			1EA	SMD	X2
3	300 - 223 - 8	617PT-1019	TRANSFORMER		2EA	SMD	T1, 2

3	310 - 659 - 2	COIL CHIP	10UH : LER015T100K	1EA	SMD	L1
3	310-706-1	COIL CHIP	0.15UH:LER015TR15M	1EA	SMD	L12
3	310-859-6	COIL CHIP	18NH:LL2012-F18NM	3EA	SMD	L2 - 4
3	310-069-4	COIL CHIP	0.15UH:NL252018T-R15J	1EA	SMD	L6
3	310-077-1	COIL CHIP	0.68UH:NL252018T-R68J	1EA	SMD	L5
3	311-079-3	COIL CHIP	1.0UH:NL252018T-1R0J	1EA	SMD	L10
3	311-170-1	COIL CHIP	1000UH:300SS-102K=CP3	2EA	SMD	L8, 9
9 2	568-62V-U2	VCO U2 BAND ASS'Y				
3	05B-101-3Z	CHIP RESISTOR	100 1/16W 5% T 1608	1EA	SMD	R202
3	05B-103-5Z	CHIP RESISTOR	10K 1/16W 5% T 1608	1EA	SMD	R201
3	05B-104-6Z	CHIP RESISTOR	100K 1/16W 5% T 1608	1EA	SMD	R203
3	05B-183-7Z	CHIP RESISTOR	18K 1/16W 5% T 1608	1EA	SMD	R205
3	05B-221-8Z	CHIP RESISTOR	220 1/16W 5% T 1608	1EA	SMD	R209
3	05B-222-9Z	CHIP RESISTOR	2.2K 1/16W 5% T 1608	2EA	SMD	R206,R207
3	05B-472-8Z	CHIP RESISTOR	4.7K 1/16W 5% T 1608	1EA	SMD	R208
3	05B-473-9Z	CHIP RESISTOR	47K 1/16W 5% T 1608	1EA	SMD	R204
3	130-A75-8Y	CHIP CERAMIC	0.001UF GRM39 X7R102K 50V P	1EA	SMD	C214
3	130-515-9Y	CHIP CERAMIC	0.5PF GRM39 COG0R5C 50V P	1EA	SMD	C206
3	130-704-3Y	CHIP CERAMIC	0.75PF GRM39 COG0R75C50V F	1EA	SMD	C204
3	131-092-8Y	CHIP CERAMIC	10PF GRM39 COG100D 50V P	12EA	SMD	C203.212
3	131-563-7Y	CHIP CERAMIC	1.5PF GRM39 COG1R5C 50V P	1EA	SMD	C205
3	132-260-8Y	CHIP CERAMIC	220PF GRM39 COG221J 50V P	15EA	SMD	C201,209,216,217 C220
3	133-102-4Y	CHIP CERAMIC	3PF GRM39 COG030C 50V PT	2EA	SMD	C213,218
3	134-012-1Y	CHIP CERAMIC	4PF GRM39 COG040C 50V PT	2EA	SMD	C207.211
3	137-013-7Y	CHIP CERAMIC	7PF GRM39 COG070D 50V PT	1EA	SMD	C215
3	176-012-3	CHIP TRIMMER	6PF TZC03Z060A110	1EA	SMD	C208
3	200-067-3	TRANSISTOR	2SC5084-O	2EA	SMD	Q201.202
3	202-095-8Z	TRANSISTOR	KRC104SND	1EA	SMD	Q203
3	242-022-4	DIODE VARICAP CHIP	1SV229 15V	2EA	SMD	D201.202
3	243-080-1	DIODE SI CHIP	1SS314	1EA	SMD	D203

3	311-051-7	COIL CHIP	0.033UH:NL252018T-033J	1EA	SMD	L205
3	311-067-2	COIL CHIP	0.1UH:NL252018T-R10J	2EA	SMD	L201,206
3	311-075-9	COIL CHIP	0.47UH:NL252018T-R47J	1EA	SMD	L202
3	311-078-2	COIL CHIP	0.82UH:NL252018T-R82J	1EA	SMD	L204
3	311-218-2	COIL CHIP	VCOOSC1.2T E558AN-100040-P3	1EA	SMD	L203
10 2	568-62F-U2	FRONT-END U2 BAND ASS'Y				
3	05B-101-3Z	CHIP RESISTOR	100 1/16W 5% T 1608	1EA	SMD	R602
3	05B-563-7Z	CHIP RESISTOR	56K 1/16W 5% T 1608	1EA	SMD	R601
3	131-092-8Y	CHIP CERAMIC	10PF GRM39 COG100D 50V PT	1EA	SMD	C601
3	131-105-7Y	CHIP CERAMIC	11PF GRM39 COG110J 50V PT	1EA	SMD	C602
3	131-604-1Y	CHIP CERAMIC	16PF GRM39 COG160J 50V PT	1EA	SMD	C607
3	131-834-2Y	CHIP CERAMIC	18PF GRM39 COG180J 50V PT	2EA	SMD	C609,622
3	132-025-3Y	CHIP CERAMIC	20PF GRM39 COG200J 50V PT	1EA	SMD	C604
3	132-259-8Y	CHIP CERAMIC	22PF GRM39 COG220J 50V PT	1EA	SMD	C623
3	132-410-7Y	CHIP CERAMIC	24PF GRM39 COG240J 50V PT	1EA	SMD	C608
3	133-348-0Y	CHIP CERAMIC	3.3PF GRM39 COG3R3C 50V PT	1EA	SMD	C614
3	133-349-1Y	CHIP CERAMIC	33PF GRM39 COG330J 50V PT	2EA	SMD	C619,620
3	134-012-1Y	CHIP CERAMIC	4PF GRM39 COG040C 50V PT	2EA	SMD	C617,624
3	134-770-2Y	CHIP CERAMIC	470PF GRM39 X7R471K 50V PT	1EA	SMD	C612
3	135-021-4Y	CHIP CERAMIC	5PF GRM39 COG050C 50V PT	1EA	SMD	C603
3	138-011-0Y	CHIP CERAMIC	8PF GRM39 COG080D 50V PT	1EA	SMD	C606
3	135-631-5Y	CHIP CERAMIC	5.6PF GRM39 COG5R6C 50V PT	1EA	SMD	C613
3	136-014-3Y	CHIP CERAMIC	6PF GRM39 COG060D 50V PT	1EA	SMD	C619
3	137-013-7Y	CHIP CERAMIC	7PF GRM39 COG070D 50V PT	4EA	SMD	C605,615,616,618
3	200-067-3	TRANSISTOR	2SC5084-O	1EA	SMD	Q601
3	243-049-4	DIODE SI CHIP	KDS226 (SOT-23)	1EA	SMD	D601
3	310-913-1	COIL SPRING	1.0X0.45X4T:R(SMD)	7EA	MAN	L601-7

11	2	568-62T-CX	TCXO ASS'Y					
	3	594-180	LMR TCXO OF "B" CLASS	GMRS-21X	1EA	MAN		
	4	05B-102-4Z	CHIP RESISTOR	1K 1/16W 5% T 1608	1EA	SMD	R10	
	4	05B-103-5Z	CHIP RESISTOR	10K 1/16W 5% T 1608	1EA	SMD	R9	
	4	05B-104-6Z	CHIP RESISTOR	100K 1/16W 5% T 1608	2EA	SMD	R13.15	
	4	05B-122-2Z	CHIP RESISTOR	1.2K 1/16W 5% T 1608	1EA	SMD	R1	
	4	05B-152-9Z	CHIP RESISTOR	1.5K 1/16W 5% T 1608	1EA	SMD	R16	
	4	05B-154-1Z	CHIP RESISTOR	150K 1/16W 5% T 1608	1EA	SMD	R4	
	4	05B-203-2Z	CHIP RESISTOR	20K 1/16W 5% T 1608	1EA	SMD	R2	
	4	05B-393-0Z	CHIP RESISTOR	39K 1/16W 5% T 1608	1EA	SMD	R5	
	4	05B-473-9Z	CHIP RESISTOR	47K 1/16W 5% T 1608	4EA	SMD	R7.8.12.14	
	4	05B-563-7Z	CHIP RESISTOR	56K 1/16W 5% T 1608	2EA	SMD	R6.11	
	4	05B-564-8Z	CHIP RESISTOR	560K 1/16W 5% T 1608	1EA	SMD	R3	
	4	097-103-6	THERMISTOR CHIP	10K NTCCM20123NH103JCT	1EA	SMD	TH1	
	4	097-473-6	THERMISTOR CHIP	47K NTCCM16084LH473JC	1EA	SMD	TH2	
	4	130-A74-7Y	CHIP CERAMIC	0.1UF GRM39 Y5V104Z 25V PT	1EA	SMD	C3	
	4	131-137-6Y	CHIP CERAMIC	100PF GRM39 U2J101J 50V	1EA	SMD	C2	
	4	131-564-8Y	CHIP CERAMIC	15PF GRM39 COG150J 50V PT	1EA	SMD	C1	
	4	132-275-2	CHIP CERAMIC	22PF GRM39 U2J220J 50V PT	1EA	SMD	C5	
	4	132-735-1Y	CHIP CERAMIC	270PF GRM39 COG271J 50V P1	1EA	SMD	C6	
	4	134-012-1Y	CHIP CERAMIC	4PF GRM39 COG040C 50V PT	1EA	SMD	C4	
	4	172-021-1	CHIP TRIMMER	20PF TZC03P200A110	1EA	SMD	CT1	
	4	202-082-6	TRANSISTOR	KTA1504ST1(G)	1EA	SMD	Q2	
	4	202-112-0	TRANSISTOR	KTC3875S(GR)	2EA	SMD	Q3.4	
	4	202-153-7	TRANSISTOR	KTC3880SY (SOT-23)	1EA	SMD	Q1	
	4	242-011-4	DIODE VARICAP	MMBV109	1EA	SMD	D1	
	4	242-025-7	DIODE VARACTOR CHIP	HVU300ATRU 30V	1EA	SMD	D2	
	4	263-374-3	CRYSTAL CA303HS	12.8M 0 3PM 14P FUND	1EA	MAN	X1	
							"B" RANK FOR LMR TCXO	
	4	406-785-A	P.C.B TCXO	19 X11 X1.0 FR4 1/1	1EA	MAN		
	4	772-429	SHIELD CAN(TCXO)	BSP T0.25 NI-PLATE	1EA	FIN		

4 860-172	PIN	BRASS TIN FLASH PLATE TCXO PIN	4EA	FIN	PIN
4 906-542	INSULATION PLATE	INSU' PAPER T0.25	1EA	FIN	