

MODEL NAME : ALAN-445 SPORT

PART NO	PART NAME	DESCRIPTION	QTY	LOCATION NO
Electrical				
50360APA	ANTENNA PACK ASSY			
4AT036	ANTENNA	ANT-446 PMR ALAN-445	1	
50360MPM MAIN PCB MANUAL ASSY				
0NS3900	METAL OXIDE RESISTO	39 1W 5% ST MINI	1	RB8
1EB0472	ELECT CAPACITOR	RMS35V 4.7uF 4x7	1	CR57
1EB1019	ELECT CAPACITOR	100uF 10V 20% 5x11	3	CR28,75,77
1EB2212	ELECT CAPACITOR	220uF 10V 20% 5x11	1	CU12
2DZN068V	DIODE ZENER	6.8V 0.5W (1N5235B)	1	DV5
2FN45012	FILTER CERAMIC	LTM450HTW	1	F3
2FX2170SD	FILTER CRYSTAL	21.7MHz	1	XF2
2LD43Z	LCD	SEQ0210/04 ALAN445 SPORT	1	LCD
2XN212504	CRYSTAL	HR-4A 21.250MHz(REDBLU,PUR,BLK,GR)	1	X5
2XN327681	CRYSTAL	CFS-206 32.768KHz(12.5pF+/-10ppm)	1	X1
2XN4000	CRYSTAL	HC-49S 4.0MHz	1	X701
2XN450C32	CERAMIC DISCRIMINAT	JTBM450C3(NEW)	1	X2
4CH16V0	CONNECTER HEADER	2144D0-G16	1	CON1
4JK25F1	MIC JACK	SKJS-2511S	1	MJ1
4JK35F1	SPK JACK	SKJS-3511S	1	SPK1
4MC36P0	MIC CONDENSER	EM-76AP 3V 2.2K-36dB+/-2	1	MIC1
4MT003	MOTOR	6HK1080A1-9	1	M1
4SD0577	DOME S/W	TDS01-0577	4	
50360MPS MAIN PCB SMD ASSY				
038000B	FILM CHIP RESISTOR	0 RC1005 J 000 CS	3	RT15,9,RL10
038100B	FILM CHIP RESISTOR	10 RC1005 J 100 CS	6	R10,RM11,RR46,RU10,RZ1,LB2
038101B	FILM CHIP RESISTOR	100 RC1005 J 101 CS	5	R11,R102,RR2,RR10,RT17
038102B	FILM CHIP RESISTOR	1K RC1005 J 102 CS	11	R20,RM3,RM29,RR66,RU20,RU30,RU24,RU34,37,38,RU6
038103B	FILM CHIP RESISTOR	10K RC1005 J 103 CS	24	R7,21,RB2,3,RM1,4,5,18~20,23,24,32,RR4,33,47,53,63,64,79,82,RT10,RU26,31
038104B	FILM CHIP RESISTOR	100K RC1005 J 104 CS	21	RR41,51,56,57,58,70,73,74,75,76,77,84,RU1,2,3,4,25,35,RR83,81,RC1
038105B	FILM CHIP RESISTOR	1M RC1005 J 105 CS	2	RM8,RU21
038125B	FILM CHIP RESISTOR	1.2M RC1005 J 125 CS	1	RR65
038152B	FILM CHIP RESISTOR	1.5K RC1005 J 152 CS	1	RR42
038153B	FILM CHIP RESISTOR	15K RC1005 J 153 CS	3	RL11,RR34,RR45
038155B	FILM CHIP RESISTOR	1.5M RC1005 J 155 CS	1	RR17
038220B	FILM CHIP RESISTOR	22 RC1005 J 220 CS	2	R19,RT4
038221B	FILM CHIP RESISTOR	220 RC1005 J 221 CS	1	RR6
038222B	FILM CHIP RESISTOR	2.2K RC1005 J 222 CS	5	R100,101,106,RM30,RR7
038223B	FILM CHIP RESISTOR	22K RC1005 J 223 CS	7	RL12,RM6,12,RR36,RR48,RR54,RU23
038224B	FILM CHIP RESISTOR	220K RC1005 J 224 CS	4	RM22,RR72,R3,RC2
038225B	FILM CHIP RESISTOR	2.2M RC1005 J 225 CS	1	RM7
038330B	FILM CHIP RESISTOR	33 RC1005 J 330 CS	1	RR78
038331B	FILM CHIP RESISTOR	330 RC1005 J 331 CS	1	RR60
038332B	FILM CHIP RESISTOR	3.3K RC1005 J 332 CS	4	RR39,RT2,RT6,RT8
038334B	FILM CHIP RESISTOR	330K RC1005 J 334 CS	1	RM14
038394B	FILM CHIP RESISTOR	390K RC1005 J 394 CS	1	RR43
038470B	FILM CHIP RESISTOR	47 RC1005 J 470 CS	4	R2,RR5,RT3,RU17
038471B	FILM CHIP RESISTOR	470 RC1005 J 471 CS	3	RR85,RT12,R5
038472B	FILM CHIP RESISTOR	4.7K RC1005 J 472 CS	7	R103,RR3,16,40,RU32,RM2,RR55
038473B	FILM CHIP RESISTOR	47K RC1005 J 473 CS	27	RR1,50,52,90,RT14,RU5,7~9,11~16,19,22,28,33,36,40,41,50,R1,105,RB5,RM33
038474B	FILM CHIP RESISTOR	470K RC1005 J 474 CS	5	RM9,28,RR61,62,RM25

038562B	FILM CHIP RESISTOR	5.6K RC1005 J 562 CS	6 RR32,RT1,RT5,RT11,RT13,RR80
038563B	FILM CHIP RESISTOR	56K RC1005 J 563 CS	1 RM27
038564B	FILM CHIP RESISTOR	560K RC1005 J 564 CS	2 RM13,RR49
038681B	FILM CHIP RESISTOR	680 RC1005 J 681 CS	1 RT7
038682B	FILM CHIP RESISTOR	6.8K RC1005 J 682 CS	5 RM31,RR31,RR35,RR44,RR8
OSC2233	CHIP SEMI RESISTOR	22KB 868-9007C-22	1 RVM1
OSC2243	CHIP SEMI RESISTOR	220KB 868-9007C-31	1 VR3
OTC1010	CHIP THERMISTOR	100 NSM3101J280J3Z	1 TH1
138010C5	CHIP CERAMIC	1pF CL05C010BB5ANNC	1 CL1
138018C5	CHIP CERAMIC	1.8pF CL05C1R8CB5ANNC	1 C205
138020C5	CHIP CERAMIC	2pF CL05C020CB5ANNC	2 C6,C208
138030C5	CHIP CERAMIC	3pF CL05C030CB5ANNC	2 C206,240
138040C5	CHIP CERAMIC	4pF CL05C040CB5ANNC	3 C1,C5,CT4
138060C5	CHIP CERAMIC	6pF CL05C060CB5ANNC	1 CR13
138070C5	CHIP CERAMIC	7pF CL05C070CB5ANNC	1 CT7
138080C5	CHIP CERAMIC	8pF CL05C080CB5ANNC	2.5 CX7,C204,C207
138090C5	CHIP CERAMIC	9pF CL05C090CB5ANNC	1.5 CR1,CX7
138100C5	CHIP CERAMIC	10pF CL05C100JB5NNNC	4 C3,209,CR3,C7
138101C5	CHIP CERAMIC	100pF CL05C101JB5NNNC	2 CU11,CM27
138102C5	CHIP CERAMIC	0.001uF CL05B102KB5NNNC	11 CM5,7,8,CR47,65,69,CU7,9,13,16,17
138103C5	CHIP CERAMIC	0.01uF CL05B103KB5NNNC	16 C4,212,CB2,CM12,CR20,21,81,95,CT5,11,CU1,10,CR14,CR18,C24,25
138104C5	CHIP CERAMIC	0.1uF CL05F104ZO5NNNC	32 C8,11,12,15,CC2,CM1,9,11,19-21,CR19,24,25,27,29,49,56,59,64,67,74,79,80,82,83,88,91,92,94
138120C5	CHIP CERAMIC	12pF CL05C120JB5NNNC	4 CR2,CR6,CR8,CX5 [138-104-C5 : CU19,20]
138150C5	CHIP CERAMIC	15pF CL05C150JB5NNNC	1 CR7
138151C5	CHIP CERAMIC	150pF CL05C151JB5NNNC	1 CR89
138152C5	CHIP CERAMIC	0.0015uF CL05B152KB5NNNC	1 CR39
138153C5	CHIP CERAMIC	0.015uF CL05B153KO5NNNC	2 CR52,CR54
138220C5	CHIP CERAMIC	22pF CL05C220JB5NNNC	2 CR22,CU2
138221C5	CHIP CERAMIC	220pF CL05B221KB5NNNC	1 C202
138223C5	CHIP CERAMIC	0.022uF CL05B223KO5NNNC	12 C203,CR38,CR50,51,53,55,60,61,66,85,86,CM6
138270C5	CHIP CERAMIC	27pF CL05C270JB5NNNC	1 CU6
138330C5	CHIP CERAMIC	33pF CL05C330JB5NNNC	23 CR10,CU3,4
138333C5	CHIP CERAMIC	0.033uF CL05B333KO5NNNC	3 CM4,CM18,CR45
138470C5	CHIP CERAMIC	47pF CL05C470JB5NNNC	5 CR9,CR11,CR16,CR23,CR93
138471C5	CHIP CERAMIC	470pF CL05B471KB5NNNC	32 C2,9,10,13,14,16,17,20,22,201,210,CM2,3,13,16,17,24-26,33,CR5,12,72,78,CT2,3,12,23,60,CU14,15,18
138472C5	CHIP CERAMIC	0.0047uF CL05B472KB5NNNC	2 CM14,CR48
138473C5	CHIP CERAMIC	0.047uF CL05B473KO5NNNC	4 CM15,CR46,CR63,CR73
139030C5	CHIP CERAMIC	3pF CL10C030CB8ANNC	1 CT9
139040C5	CHIP CERAMIC	4pF CL10C040CB8ANNC	2 CT19,25
139050C5	CHIP CERAMIC	5pF CL10C050CB8ANNC	2 CT10,13
139070C5	CHIP CERAMIC	7pF CL10C070CB8ANNC	1 CT22
139090C5	CHIP CERAMIC	9pF CL10C090CB8ANNC	1 CT21
139100C5	CHIP CERAMIC	10pF CL10C100DB8NNNC	1 CT20
139102C5	CHIP CERAMIC	0.001UF CL10C102KB8NNNC	1 CT24
139130C5	CHIP CERAMIC	13pF CL10C130JB8NNNC	1 CT8
139160C5	CHIP CERAMIC	16pF CL10C160JB8NNNC	2 CT6,CX8
139220C5	CHIP CERAMIC	22pF CL10C220JB8NNNC	1 CT15
139224C5	CHIP CERAMIC	0.22uF CL10F224ZO8NNNC	2 CR68,CR62
139471C5	CHIP CERAMIC	470pF CL10B471KB8NNNC	2 CT16,17
140105C5	CHIP CERAMIC	1uF CL21F105ZOCNNNC	7 CR58,76,CL11,CM23,CR17,CR26,CU5
1EC010S	CHIP TANTALUM	1uF 10V TSM1A105ASSR	2 CR96,CR71
1EC022S	CHIP TANTALUM	2.2uF 10V TSM1A225ASSR	1 CB1
1EC047S	CHIP TANTALUM	4.7uF 10V TSM1A475ASSR	1 CR70
1EC470S3	CHIP TANTALUM	47uF 6.3V TCSCS0J476MBAR	1 C213
1TC1005	CHIP TRIMMER	10PF STC3M10T1	1 CX6
2DCS114E	DIODE BAND S/W CHIP	KDS114E	5 D2,D202,DT1,DT2,DT3
2DCS184	DIODE Si CHIP	KDS184S	3 DB3,DB1,2

2DVCV154E	DIODE VARICAP CHIP	KDV154E	1 D201
2FS446C	FILTER SAW	KF446V SC-44	1 SF1
2IC24C02E	IC EEPROM	IS24C02-3G	1 IC20
2IC324B	IC OP AMP	LM324D	2 IC4,IC6
2IC358B	IC OP AMP	LM358D	1 IC1
2IC3861	IC AUDIO AMP	IL386D	1 IC7
2IC6311	IC ASIC	AN6311FA	1 IC3
2IC87C21M	IC CPU	TMP87CM21CDF(5R06),ALAN445	1 IC10
2IC9836B	IC REGULATOR	ELM9836BA-S	1 IC8
2TA2014E	TRANSISTOR	KTA2014E	3 Q2,QR4,QR5
2TA301E	TRANSISTOR	KRA301E	5 QP1,QRS1,QTS5,QTS7,QTS8
2TA310E	TRANSISTOR	KRA310E	1 QB1
2TC3357	TRANSISTOR	2SC3357-T1	1 QT5
2TC404E	TRANSISTOR BRT	KRC404E	4 Q31,QR6,Q7,Q5
2TC4075E	TRANSISTOR	KTC4075E	4 Q3,OHL1,QHL2,QCS2
2TC410E	TRANSISTOR	KRC410E	1 QT4
2TC4226G	TRANSISTOR	2SC4226-R25	7 Q1,Q32,Q33,QR1,QR2,QT1,QT2
2TN55102	TRANSISTOR	NE5510279A	1 QT3
339010N3	COIL CHIP	1nH CIH10T-01NK	1 LT12
339022U3	COIL CHIP	2.2uH CIL10J2R2KNC	2 L202,LR6
339101N3	COIL CHIP	100nH CIH10T-100NK	1 L201
339220N3	COIL CHIP	22nH CIH10T-22NK	3 L204,LR2,LT1
339221N3	COIL CHIP	220nH CIH10T-220NK	1 LT11
339270N3	COIL CHIP	27nH CIH10T-27NK	1 L1
339470N3	COIL CHIP	47nH CIH10T-47NK	2 LR3,LR4
3SCH020	COIL SPRING	1.3x0.45x2T:R	2 LT4,LT10
3SCH030	COIL SPRING	1.0x0.3x3T:R	1 LT2
3SCH040	COIL SPRING	1.0x0.3x4T:R	1 L203
3SCH050	COIL SPRING	1.0x0.3x5T:R	2 LR1,LR5
3SCH0503	COIL SPRING	1.3x0.45x5T:R	5 LT3,5,6,7,9
4FM055R7	PCB MAIN (ALAN445 SP	48.35x124x1.0T 2/2 GOLD	1
50360SPM	SUB PCB MANUAL ASSY		
0VA103S4	VARIABLE RESISTOR	TPS0902BS-15SP-15A10K	1 VR4
4SD0003	DOME S/W ASSY	TDS03-05719	1
4SD0577	DOME S/W	TDS01-0577	1
50360SPS	SUB PCB SMD ASSY		
038100B	FILM CHIP RESISTOR	10 RC1005 J 100 CS	1 RR28
038102B	FILM CHIP RESISTOR	1K RC1005 J 102 CS	1 RU29
038104B	FILM CHIP RESISTOR	100K RC1005 J 104 CS	1 RB1
038470B	FILM CHIP RESISTOR	47 RC1005 J 470 CS	4 RB4,RB10,RB11,RB12
038473B	FILM CHIP RESISTOR	47K RC1005 J 473 CS	1 RU18
138104C5	CHIP CERAMIC	0.1uF CL05F104ZO5NNNC	3 C2,C18,C150
138471C5	CHIP CERAMIC	470pF CL05B471KB5NNNC	3 CU8,C1,C9
2IC11096A	IC SENSOR	PNI-11096 28PIN(MLF)	1 IC5
2LC21G1	LED LAMP CHIP	PY1113F-340-TR	2 LED1,2
4CS16V0	CONNECTER SOCKET	212138-G16(1.27m/m SMD)	1 CON1
4FS018R7	PCB SUB (ALAN445 SPC	31.75.x35.9x1.0T 1/1 GOLD	1
4SN002	SENSOR	SEN-S65 P/N 11561	2 LC1,2
50360UCA	UPPER COVER ASSY		
4SP3285	SPEAKER	MR HH100	1
50264WA	WIRE ASSY		
4WIB2B065	WIRE	1007 AWG 28(7/0.12) BLK 65 3-3	1 SPK(-)
4WIB2R070	WIRE	1007 AWG 28(7/0.12) RED 70 3-3	1 SPK(+)

## Mechanical

50360APA	ANTENNA PACK ASSY		
4AT036	ANTENNA	ANT-446 PMR ALAN-445	1
88300014	ANTENNA TUBE	URETHANE BLACK	1
90000036	SPONGE ANT	10.0x18.0 T=2.0 GRAY	2
50360BLA	BELT CLIP ASSY		
66200002	E-RING	Ø1.5 T=0.4 SUS	1
68000013	PIN	BSBM Ø4.0x25.2 Ni-PLATE	1
78000023	BELT CLIP SPRING	SWP Ø1.0 NI-PLATE	1
84000005A	BELT CLIP HOLDER	ABS 94HB BLACK	1
87000021	BELT CLIP	ABS 94HB BLACK	1
50360BCA	BOTTOM COVER ASSY		
64000014	PLUS SCREW	(+)PLUS(PH) 2.0x10.0 SUS	5
64200004	PLUS SCREW	(+)PLUS(PH) M2.6x8.0 BLACK	2
75000079	TERMINAL A	SPTE T=0.3 NI-PLAT	1
75000080	TERMINAL B	NSP T=0.3	2
78000022	SPRING TERMINAL	SUS 304 Ø0.5 NI-PLATE	2
81000165	BOTTOM COVER	ABS 94HB BLACK	1
81200007	BATTERY HOUSING	ABS 94HB BLACK	1
82000066	BATTERY COVER	ABS 94HB BLACK	1
83000064	LOCKING KNOB	ABS 94HB BLACK	1
88000093	SCREW CAP L	SILICONE RUBBER BLACK	1
88000094	SCREW CAP R	SILICONE RUBBER BLACK	1
88000095	SCREW CAP A	SILICONE RUBBER BLACK	1
88100038	GASKET BATTERY	SILICONE RUBBER BLACK	1
99000316	NAME LABEL	POLYESTER STICKER T=0.15	1
50360MPM	MAIN PCB MANUAL ASSY		
ONS3900	METAL OXIDE RESISTO	39 1W 5% ST MINI	1 RB8
1EB0472	ELECT CAPACITOR	RMS35V 4.7uF 4x7	1 CR57
1EB1019	ELECT CAPACITOR	100uF 10V 20% 5x11	3 CR28,75,77
1EB2212	ELECT CAPACITOR	220uF 10V 20% 5x11	1 CU12
2DZN068V	DIODE ZENER	6.8V 0.5W (1N5235B)	1 DV5
2FN45012	FILTER CERAMIC	LTM450HTW	1 F3
2FX2170SD	FILTER CRYSTAL	21.7MHz	1 XF2
2LD43Z	LCD	SEQ0210/04 ALAN445 SPORT	1 LCD
2XN212504	CRYSTAL	HR-4A 21.250MHz(REDBLU,PUR,BLK,GR)	1 X5
2XN327681	CRYSTAL	CFS-206 32.768KHz(12.5pF+/-10ppm)	1 X1
2XN4000	CRYSTAL	HC-49S 4.0MHz	1 X701
2XN450C32	CERAMIC DISCRIMINAT	JTBM450C3(NEW)	1 X2
4CH16V0	CONNECTER HEADER	2144D0-G16	1 CON1
4JK25F1	MIC JACK	SKJS-2511S	1 MJ1
4JK35F1	SPK JACK	SKJS-3511S	1 SPK1
4MC36P0	MIC CONDENSER	EM-76AP 3V 2.2K-36dB+/-2	1 MIC1
4MT003	MOTOR	6HK1080A1-9	1 M1
4SD0577	DOME S/W	TDS01-0577	4
50360MPA	MAIN PCB MECHANICAL		
77000035	VCO CAN	SPTE T=0.3	1
77000044	SHEET SILVER	AL FOIL 6X6 T=0.15	3
77000070B	LCD HOUSING	SPTE T=0.3	1
77000071A	SHIELD CAN	PB T=0.3 NI-PLATE	1

86000020	REFLECTOR	ACRYLE CLEAR	1
88000096	MIC POST	SILICONE RUBBER GRAY	1
88200024	ZEBRA	SP1 21.2x12.0 T=2.6	1
91000016	INSULATION PAPER	PAPER 54.6x10.5 T=0.18	1
50360MPS	MAIN PCB SMD ASSY		
038000B	FILM CHIP RESISTOR	0 RC1005 J 000 CS	3 RT15,9,RL10
038100B	FILM CHIP RESISTOR	10 RC1005 J 100 CS	6 R10,RM11,RR46,RU10,RZ1,LB2
038101B	FILM CHIP RESISTOR	100 RC1005 J 101 CS	5 R11,R102,RR2,RR10,RT17
038102B	FILM CHIP RESISTOR	1K RC1005 J 102 CS	11 R20,RM3,RM29,RR66,RU20,RU30,RU24,RU34,37,38,RU6
038103B	FILM CHIP RESISTOR	10K RC1005 J 103 CS	24 R7,21,RB2,3,RM1,4,5,18-20,23,24,32,RR4,33,47,53,63,64,79,82,RT10,RU26,31
038104B	FILM CHIP RESISTOR	100K RC1005 J 104 CS	21 RR41,51,56,57,58,70,73,74,75,76,77,84,RU1,2,3,4,25,35,RR83,81,RC1
038105B	FILM CHIP RESISTOR	1M RC1005 J 105 CS	2 RM8,RU21
038125B	FILM CHIP RESISTOR	1.2M RC1005 J 125 CS	1 RR65
038152B	FILM CHIP RESISTOR	1.5K RC1005 J 152 CS	1 RR42
038153B	FILM CHIP RESISTOR	15K RC1005 J 153 CS	3 RL11,RR34,RR45
038155B	FILM CHIP RESISTOR	1.5M RC1005 J 155 CS	1 RR17
038220B	FILM CHIP RESISTOR	22 RC1005 J 220 CS	2 R19,RT4
038221B	FILM CHIP RESISTOR	220 RC1005 J 221 CS	1 RR6
038222B	FILM CHIP RESISTOR	2.2K RC1005 J 222 CS	5 R100,101,106,RM30,RR7
038223B	FILM CHIP RESISTOR	22K RC1005 J 223 CS	7 RL12,RM6,12,RR36,RR48,RR54,RU23
038224B	FILM CHIP RESISTOR	220K RC1005 J 224 CS	4 RM22,RR72,R3,RC2
038225B	FILM CHIP RESISTOR	2.2M RC1005 J 225 CS	1 RM7
038330B	FILM CHIP RESISTOR	33 RC1005 J 330 CS	1 RR78
038331B	FILM CHIP RESISTOR	330 RC1005 J 331 CS	1 RR60
038332B	FILM CHIP RESISTOR	3.3K RC1005 J 332 CS	4 RR39,RT2,RT6,RT8
038334B	FILM CHIP RESISTOR	330K RC1005 J 334 CS	1 RM14
038394B	FILM CHIP RESISTOR	390K RC1005 J 394 CS	1 RR43
038470B	FILM CHIP RESISTOR	47 RC1005 J 470 CS	4 R2,RR5,RT3,RU17
038471B	FILM CHIP RESISTOR	470 RC1005 J 471 CS	3 RR85,RT12,R5
038472B	FILM CHIP RESISTOR	4.7K RC1005 J 472 CS	7 R103,RR3,16,40,RU32,RM2,RR55
038473B	FILM CHIP RESISTOR	47K RC1005 J 473 CS	27 RR1,50,52,90,RT14,RU5,7-9,11-16,19,22,28,33,36,40,41,50,R1,105,RB5,RM33
038474B	FILM CHIP RESISTOR	470K RC1005 J 474 CS	5 RM9,28,RR61,62,RM25
038562B	FILM CHIP RESISTOR	5.6K RC1005 J 562 CS	6 RR32,RT1,RT5,RT11,RT13,RR80
038563B	FILM CHIP RESISTOR	56K RC1005 J 563 CS	1 RM27
038564B	FILM CHIP RESISTOR	560K RC1005 J 564 CS	2 RM13,RR49
038681B	FILM CHIP RESISTOR	680 RC1005 J 681 CS	1 RT7
038682B	FILM CHIP RESISTOR	6.8K RC1005 J 682 CS	5 RM31,RR31,RR35,RR44,RR8
OSC2233	CHIP SEMI RESISTOR	22KB 868-9007C-22	1 RVM1
OSC2243	CHIP SEMI RESISTOR	220KB 868-9007C-31	1 VR3
OTC1010	CHIP THERMISTOR	100 NSM3101J280J3Z	1 TH1
138010C5	CHIP CERAMIC	1pF CL05C010BB5ANNC	1 CL1
138018C5	CHIP CERAMIC	1.8pF CL05C1R8CB5ANNC	1 C205
138020C5	CHIP CERAMIC	2pF CL05C020CB5ANNC	2 C6,C208
138030C5	CHIP CERAMIC	3pF CL05C030CB5ANNC	2 C206,240
138040C5	CHIP CERAMIC	4pF CL05C040CB5ANNC	3 C1,C5,CT4
138060C5	CHIP CERAMIC	6pF CL05C060CB5ANNC	1 CR13
138070C5	CHIP CERAMIC	7pF CL05C070CB5ANNC	1 CT7
138080C5	CHIP CERAMIC	8pF CL05C080CB5ANNC	2.5 CX7,C204,C207
138090C5	CHIP CERAMIC	9pF CL05C090CB5ANNC	1.5 CR1,CX7
138100C5	CHIP CERAMIC	10pF CL05C100JB5NNNC	4 C3,209,CR3,C7
138101C5	CHIP CERAMIC	100pF CL05C101JB5NNNC	2 CU11,CM27
138102C5	CHIP CERAMIC	0.001uF CL05B102KB5NNNC	11 CM5,7,8,CR47,65,69,CU7,9,13,16,17
138103C5	CHIP CERAMIC	0.01uF CL05B103KB5NNNC	16 C4,212,CB2,CM12,CR20,21,81,95,CT5,11,CU1,10,CR14,CR18,C24,25
138104C5	CHIP CERAMIC	0.1uF CL05F104Z05NNNC	32 C8,11,12,15,CC2,CM1,9,11,19-21,CR19,24,25,27,29,49,56,59,64,67,74,79,80,82,83,88,91,92,94
138120C5	CHIP CERAMIC	12pF CL05C120JB5NNNC	4 CR2,CR6,CR8,CX5 [138-104-C5 : CU19,20]
138150C5	CHIP CERAMIC	15pF CL05C150JB5NNNC	1 CR7

138151C5	CHIP CERAMIC	150pF	CL05C151JB5NNNC	1	CR89
138152C5	CHIP CERAMIC	0.0015uF	CL05B152KB5NNNC	1	CR39
138153C5	CHIP CERAMIC	0.015uF	CL05B153KO5NNNC	2	CR52,CR54
138220C5	CHIP CERAMIC	22pF	CL05C220JB5NNNC	2	CR22,CU2
138221C5	CHIP CERAMIC	220pF	CL05B221KB5NNNC	1	C202
138223C5	CHIP CERAMIC	0.022uF	CL05B223KO5NNNC	12	C203,CR38,CR50,51,53,55,60,61,66,85,86,CM6
138270C5	CHIP CERAMIC	27pF	CL05C270JB5NNNC	1	CU6
138330C5	CHIP CERAMIC	33pF	CL05C330JB5NNNC	23	CR10,CU3,4
138333C5	CHIP CERAMIC	0.033uF	CL05B333KO5NNNC	3	CM4,CM18,CR45
138470C5	CHIP CERAMIC	47pF	CL05C470JB5NNNC	5	CR9,CR11,CR16,CR23,CR93
138471C5	CHIP CERAMIC	470pF	CL05B471KB5NNNC	32	C2,9,10,13,14,16,17,20,22,201,210,CM2,3,13,16,17,24-26,33,CR5,12,72,78,CT2,3,12,23,60,CU14,15,18
138472C5	CHIP CERAMIC	0.0047uF	CL05B472KB5NNNC	2	CM14,CR48
138473C5	CHIP CERAMIC	0.047uF	CL05B473KO5NNNC	4	CM15,CR46,CR63,CR73
139030C5	CHIP CERAMIC	3pF	CL10C030CB8ANNC	1	CT9
139040C5	CHIP CERAMIC	4pF	CL10C040CB8ANNC	2	CT19,25
139050C5	CHIP CERAMIC	5pF	CL10C050CB8ANNC	2	CT10,13
139070C5	CHIP CERAMIC	7pF	CL10C070CB8ANNC	1	CT22
139090C5	CHIP CERAMIC	9pF	CL10C090CB8ANNC	1	CT21
139100C5	CHIP CERAMIC	10pF	CL10C100DB8NNNC	1	CT20
139102C5	CHIP CERAMIC	0.001UF	CL10C102KB8NNNC	1	CT24
139130C5	CHIP CERAMIC	13pF	CL10C130JB8NNNC	1	CT8
139160C5	CHIP CERAMIC	16pF	CL10C160JB8NNNC	2	CT6,CX8
139220C5	CHIP CERAMIC	22pF	CL10C220JB8NNNC	1	CT15
139224C5	CHIP CERAMIC	0.22uF	CL10F224ZO8NNNC	2	CR68,CR62
139471C5	CHIP CERAMIC	470pF	CL10B471KB8NNNC	2	CT16,17
140105C5	CHIP CERAMIC	1uF	CL21F105ZOCNNNC	7	CR58,76,CL11,CM23,CR17,CR26,CU5
1EC010S	CHIP TANTALUM	1uF	10V TSM1A105ASSR	2	CR96,CR71
1EC022S	CHIP TANTALUM	2.2uF	10V TSM1A225ASSR	1	CB1
1EC047S	CHIP TANTALUM	4.7uF	10V TSM1A475ASSR	1	CR70
1EC470S3	CHIP TANTALUM	47uF	6.3V TCSCS0J476MBAR	1	C213
1TC1005	CHIP TRIMMER	10PF	STC3M10T1	1	CX6
2DCS114E	DIODE BAND S/W CHIP	KDS114E		5	D2,D202,DT1,DT2,DT3
2DCS184	DIODE Si CHIP	KDS184S		3	DB3,DB1,2
2DVCV154E	DIODE VARICAP CHIP	KDV154E		1	D201
2FS446C	FILTER SAW	KF446V	SC-44	1	SF1
2IC24C02E	IC EEPROM	IS24C02-3G		1	IC20
2IC324B	IC OP AMP	LM324D		2	IC4,IC6
2IC358B	IC OP AMP	LM358D		1	IC1
2IC3861	IC AUDIO AMP	IL386D		1	IC7
2IC6311	IC ASIC	AN6311FA		1	IC3
2IC87C21M	IC CPU	TMP87CM21CDF(5R06),ALAN445		1	IC10
2IC9836B	IC REGULATOR	ELM9836BA-S		1	IC8
2TA2014E	TRANSISTOR	KTA2014E		3	Q2,QR4,QR5
2TA301E	TRANSISTOR	KRA301E		5	QP1,QRS1,QTS5,QTS7,QTS8
2TA310E	TRANSISTOR	KRA310E		1	QB1
2TC3357	TRANSISTOR	2SC3357-T1		1	QT5
2TC404E	TRANSISTOR BRT	KRC404E		4	Q31,QR6,Q7,Q5
2TC4075E	TRANSISTOR	KTC4075E		4	Q3,QHL1,QHL2,QCS2
2TC410E	TRANSISTOR	KRC410E		1	QT4
2TC4226G	TRANSISTOR	2SC4226-R25		7	Q1,Q32,Q33,QR1,QR2,QT1,QT2
2TN55102	TRANSISTOR	NE5510279A		1	QT3
339010N3	COIL CHIP	1nH	CIH10T-01NK	1	LT12
339022U3	COIL CHIP	2.2uH	CIL10J2R2KNC	2	L202,LR6
339101N3	COIL CHIP	100nH	CIH10T-100NK	1	L201
339220N3	COIL CHIP	22nH	CIH10T-22NK	3	L204,LR2,LT1
339221N3	COIL CHIP	220nH	CIH10T-220NK	1	LT11
339270N3	COIL CHIP	27nH	CIH10T-27NK	1	L1

339470N3	COIL CHIP	47nH CIH10T-47NK	2 LR3,LR4
3SCH020	COIL SPRING	1.3x0.45x2T:R	2 LT4,LT10
3SCH030	COIL SPRING	1.0x0.3x3T:R	1 LT2
3SCH040	COIL SPRING	1.0x0.3x4T:R	1 L203
3SCH050	COIL SPRING	1.0x0.3x5T:R	2 LR1,LR5
3SCH0503	COIL SPRING	1.3x0.45x5T:R	5 LT3,5,6,7,9
4FM055R7	PCB MAIN (ALAN445 SP	48.35x124x1.0T 2/2 GOLD	1
94000004	WARRANTY CARD ITAL	80 WOOD FREE PAPER	1
94000005	WARRANTY CARD SPA	80 WOOD FREE PAPER	1
94000020	GUARANTEE CARD	180 WOOD FREE PAPER 150x105	1
95000122	OWNERS MANUAL	150 ART/80 WOOD FREE PAPER	1
95000131	RTTE PAPER	70 WOOD FREE PAPER	1
96000092	BLISTER	PVC T=0.5	1
97000057	GIFT BOX	450SC MANILA PAPER	1
98000207	OUT BOX	DW1S T=7.5 641(W)X295(D)X263(H)	0.05
99000090	SERIAL NUMBER STICK	ART PAPER STICKER 20x5	2
99000233A	EU-COUNTRY STICKER	ART PAPER STICKER 46x33	1
99000317	REMOVE STICKER	PVC REMOVAL	1
99000320	BAR CORD LABEL	ART PAPER STICKER	1
99000370	ALAN WARNING LABEL	80 WOOD FREE PAPER 38x50	1

50360SPM	SUB PCB MANUAL ASSY		
0VA103S4	VARIABLE RESISTOR	TPS0902BS-15SP-15A10K	1 VR4
4SD0003	DOME S/W ASSY	TDS03-05719	1
4SD0577	DOME S/W	TDS01-0577	1
78000025	PCB SPRING	SWP Ø0.4 NI-PLATING	1

50360SPS	SUB PCB SMD ASSY		
038100B	FILM CHIP RESISTOR	10 RC1005 J 100 CS	1 RR28
038102B	FILM CHIP RESISTOR	1K RC1005 J 102 CS	1 RU29
038104B	FILM CHIP RESISTOR	100K RC1005 J 104 CS	1 RB1
038470B	FILM CHIP RESISTOR	47 RC1005 J 470 CS	4 RB4,RB10,RB11,RB12
038473B	FILM CHIP RESISTOR	47K RC1005 J 473 CS	1 RU18
138104C5	CHIP CERAMIC	0.1uF CL05F104ZO5NUNC	3 C2,C18,C150
138471C5	CHIP CERAMIC	470pF CL05B471KB5NUNC	3 CU8,C1,C9
2IC11096A	IC SENSOR	PNI-11096 28PIN(MLF)	1 IC5
2LC21G1	LED LAMP CHIP	PY1113F-340-TR	2 LED1,2
4CS16V0	CONNECTER SOCKET	212138-G16(1.27m/m SMD)	1 CON1
4FS018R7	PCB SUB (ALAN445 SPC	31.75.x35.9x1.0T 1/1 GOLD	1
4SN002	SENSOR	SEN-S65 P/N 11561	2 LC1,2

50360UCA	UPPER COVER ASSY		
4SP3285	SPEAKER	MR HH100	1
64000008	PLUS SCREW	(+)PLUS(PHW) 2.0x6.0 1S SUS	2
66000003	WASHER	SUS Ø10.0xØ7.2 T=0.5 FLAT	1
75000081	CHARGER TERMINAL(+)	SPTT T=0.3 NI-PLAT	1
75000082	CHARGER TERMINAL(-)	SPTT T=0.3 NI-PLAT	1
81000164	UPPER COVER	ABS 94HB BLACK	1
83000065	VOLUME KNOB	ABS 94HB BLACK	1
85000059	LENS	ACRYL CLEAR	1
88000088	KEY PAD	SILICONE RUBBER GRAY	1
88000089	KEY PAD MENU	SILICONE RUBBER GRAY	1
88000090	PAGE BUTTON BLUE	SILICONE RUBBER BLUE	1
88000091	PTT GASKET	SILICONE RUBBER BLACK	1
88000092A	DUST CAP	SILICONE RUBBER BLACK	1
88100006	CONTROL O-RING	SILICONE RUBBER	1
90000044	MIC SPONGE	Ø7.0x3.4 T=1.0 ADD FELT	1

90100018	FELT SPK	Ø29.0x T=0.2	1
92000072	DOUBLE SIDE TAPE	3M-Y 9448HK T=0.2	1
99100002	SILICONE BOND	CEMEDINE SUPER X NO.8008 BLACK(q)	2