

DOC. No		AVP2000B_20				Rev.	2.0						Model Name	AVP-2000B			S/W Rev :	Assy Rev :
No.	Assembly				Acrowave CAT.NO	Quantity						Unit	Discription	Vendor Part. No.	Part Dev.	Ref. Destinatioir	Vendor	Package
	A	B	C	D		M1	M2	M3	M4	M5	M6							
1				D1		1						EA	PCB, 6 layer, 1.0T, BUILD UP, □□□					
2				D2		1						EA	BBP/MAC IC	ISL3871AIK18Z	A	U13	INTERSIL	192 BGA 14 x 14
3				D3		1						EA	Transceiver	ISL3684AIRZ-TK	A	U9	Itersil	56Ld MLFP
4				D4		1						EA	5GHz VCO	ISL3084IRZ-TK	A	U11	Itersil	16Ld MLFP
5				D5		1						EA	POWER Amplifier	SST12LP14-QVCE	A	U20	□□□□□ (SST)	16Ld VQFN
6				D6		1						EA	LNA	SGA-8343Z	A	Q10	sireza	
7				D7		1						EA	LDO	MAX8867EUK29+T MAX8868EUK29+T	A	U26	MAXIM	SOT23-5
8				D8		2						EA	LDO	MIC5205-2.85YM5	A	U37, U36	MICREL	SOT23-5
9				D8		1						EA	Analog Switch	ISL84684	A	U35	Intersil	
10				D9		1						EA	LDO 3.3V Fixed	MIC5219-3.3YMM	A	U27	MICREL	MSOP8
11				D10		1						EA	FLASH Memory	SST39VF010-90-4C-WHE SST39VF010-70-4C-WHE Pm39LV010-70VC	I	U17	SST PMC	32Pin TSOP
12				D11		1						EA	SPDT Switch	uPG2179TB AS179_92LF	A	U22	NEC ALPHA	6SC70
13				D12		1						EA	SRAM(128*16) (6x8 BGA)	IC62LV12816LL-55B EM562166BC-55 LP62S16128BU-55LLT	A	U25	ICSI ETRON AMIC	48 BGA
14				D13		1						EA	BALUN	HHM1520 BL2012-10B2450T	B	U18	TDK ACX	
15				D14		1						EA	T2U, Main CPU	CS6220GY	A	U23	MYSON	196PBGA
16				D15		1						EA	FPGA	EX128-FCS128X79 (WIP5000M) Program □ □	A	U19	ACTEL	128 BGA
17				D16		1						EA	RESET IC, 2.63V	IMP809R TCM809RENB713	A	U1	□□□□□□□ MICROCHIP	SOT23-3

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	A	B	C	D		M1	M2	M3	M4	M5	M6							
18				D17		1						EA	FLASH ROM 6x8 BGA speed : 70ns □ □□□□	MX29LV160ATXEC-70 M29W160ET-70ZA6E	I	U5	MXIC STM	48 BGA 6x8
19				D18		1						EA	Switch Reg.	EL7530IYZ	A	U28	Intersil	10P MSOP
20				D19		1						EA	Power Inductor	D03314-153MXC	A	L11	Coilcraft	15uH
21				D20		1						EA	LDO	BH25FB1WHFV-TR	A	U15	ANY Component (RHOM)	SOT-5
22				D21		1						EA	LDO	BH33FB1WHFV-TR	A	U14	ANY Component (RHOM)	SOT-5
23				D22		1						EA	VOICE BAND AUDIO CODEC	TLV320AIC1103PBSR	A	U3	TI	32 TQFP
24				D23		1						EA	P Channel FET 20V 2A	RTR020P02	B	U8	ANY Component (RHOM)	SOT_23
25				D24		1						EA	VOLTAGE DETECTOR 3.1V	BD4831FVE	A	U10	ANY Component (RHOM)	
26				D25		1						EA	VOLTAGE DETECTOR 3.5V	BD4835FVE	A	U6	ANY Component (RHOM)	
27				D26		1						EA	VOLTAGE DETECTOR 3.7V	BD4837FVE	A	U7	ANY Component (RHOM)	
28				D27		1						EA	VOLTAGE DETECTOR 3.0V	BD4830FVE	A	U12	ANY Component (RHOM)	
29				D28		1						EA	AUDIO AMP	LM4871M	A	U4	NEC	S0-8
30				D29		1						EA	AUDIO DRIVER	BH7826FVM	A	U16	ANY Component (RHOM)	MSOP8
31				D30		1						EA	Li-ion/Li Polymer Battery Charger	ISL6292-2CR4Z	A	U38	Intersil	16 Ld 4x4 QFN
32				D31		2						EA	PNP 80V 0.5A DRIVER TR 2913 (SOT-23)	2SC4081 MMBT3904	B	Q12, Q13	ANY Component (ROHM) Cental SEMI	SOT-23
33				D32		2						EA	PNP 80V 0.5A DRIVER TR 2913 (SOT-23)	2SA1577A MMBT3906	B	Q9, Q11	ANY Component (ROHM) Cental SEMI	SOT-23
34				D33		2						EA	Built-in 10k/10k 1608 TR. (SC-75A)	DTC114EETL	B	Q2,Q5	ANY Component (RHOM)	SC-75A

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	A	B	C	D		M1	M2	M3	M4	M5	M6							
35				D34		1						EA	10MHZ Crystal	H130B-10.000-22-TR	B	X1	RALTRON Korea	SMD
36				D35		1						EA	BATT_CON	HB-4P0100-Z001	B	P2	ANY Component (HANBIT TECH)	
37				D36		1						EA	Band Pass Filter	LFB212G45SG8A166	B	FL1	MURATA	
38				D37		1						EA	Crystal 32KHz	SSP-T7	B	X2	SEIKO	
39				D38		1						EA	Oscillator, 3.0V	COM23-03-44.000MHZ-TR	B	Y1	RALTRON Korea	5 X 3.2 SMD
40				D39		10						EA	1608 Blue LED	SCB1608 HT-F194NB5	B	LED1 - LED10	GENTECK (HARVATEK)	
41				D40		1						EA	RF TEST Connector	KMS507	B	FL2	HIROSE	
42				D41		11						EA	Ferrite Beads - 1608	BLM16PG300SN1D	B	L1, L2, L3, L5, L6, L7, L8, L10, L12, L15, L16	MURATA	
43				D42		1						EA	Chip Inductor - 2012	LQM21NNR39K00	B	L4	MURATA ANY	390nH
44				D43		1						EA	Chip Inductor - 1005	LQP15MN12NG02	B	L9	MURATA	12nH
45				D44		1						EA	Chip Inductor - 1005	LQP15MN18NG02	B	L13	MURATA	18nH
46				D45		1						EA	Chip Inductor - 1005	LQP15MN6N8B02	B	L14	MURATA	6.8nH
47				D46		1						EA	ESD Protect VZ=5.78~7.82 10W 1208	RSB6.8STE61	B	D3	ANY Component (RHOM)	SOT-23
48				D47		2						EA	80V 0.1A SW Di 1712	1SS355TE-17 KDS160 BAS316	B	D1,D2	ROHM KEC PHILIPS	SOT-23
49				D48		1						EA	1608 SIZE	DAN222T1G	B	Q3	ANY Component (RHOM)	SOT-416
50				D49		5						EA	NPN SW TR, 0412	2SC4617	B	Q1, Q4, Q6, Q7 ,Q8	ANY Component (RHOM)	

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	A	B	C	D		M1	M2	M3	M4	M5	M6							
51				D50		1						EA	LCD Module	M0876	G	LCD	□□□	
52				D51		1						EA	MICRO MOTOR CONNECTOR	1425A-0251R	B	CON2	□□□□ □□□□□	CONNECTOR
53				D52		1						EA	EAR-JACK	AJ422X-4T-SMT	B	J1	□□□	EAR JACK
54				D53		1						EA	Microphone Dip, Pin □□ Long	0B-415P-42C33	C	MIC1	□□□□□□	4.0 x 1.4 -44dB
55				D54		1						EA	Dynamic speaker 0.6 W, □□□ □□	16-8E-07W	H	SPK	□□□□□	
56				D55		2						EA	TACT SWITCH	SKTS-1106R	B	K1, K2	SEKWANG	
57				D56		2						EA	CONN - PWR			P1, P3		□□□
58				D57		3						EA	Chip Capacitor -1005	CS1005C0G220J160NR	B	C59, C155, C181	ANY	22 pF
59				D58		4						EA	Chip Capacitor -1005	CS1005C0G270J160NR	B	C15, C16, C18, C19	ANY	27pF
60				D59		1						EA	Chip Capacitor -1005	CS1005C0G221J160NR	B	C149	ANY	220 pF
61				D60		11						EA	Chip Capacitor -1005	CS1005C0G101J160NR	B	C80, C117, C119, C141, C148, C152, C167, C13, C14, C26, C27	ANY	100pF
62				D61		1						EA	Chip Capacitor -1005	CS1005C0G121J160NR	B	C212	ANY	120pF
63				D62		4						EA	Chip Capacitor -1005	CS1005C0G471J160NR	B	C176, C201, C3, C205	ANY	470pF
64				D63		10						EA	Chip Capacitor -1005	CS1005C0G181J160NR	B	C99 -C107, C130	ANY	180pF
65				D64		1						EA	Chip Capacitor -1005	CS1005C0G331J160NR	B	C213	ANY	330pF
66				D65		1						EA	Chip Capacitor -1005	CS1005C0G1R0J160NR	B	C157	ANY	1pF
67				D66		10						EA	Chip Capacitor -1005	CS1005C0G102J160NR	B	C25, C30, C31, C47, C79, C84, C86, C88, C118, C122	ANY	1000 pF

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	A	B	C	D		M1	M2	M3	M4	M5	M6							
68				D67		1						EA	Chip Capacitor -1005	CS1005COG020J160NR	B	C153	ANY	2pF
69				D68		2						EA	Chip Capacitor -1005	CS1005COG470J160NR	B	C49, C123	ANY	47 pF
70				D69		7						EA	Chip Capacitor -1005	CS1005COG070J160NR	B	C40, C73, C115, C156, C182, C184, C193	ANY	7 pF
71				D70		3						EA	Chip Capacitor -1005	CS1005COG3R9J160NR	B	C58, C78, C114	ANY	3.9 pF
72				D71		2						EA	Chip Capacitor -1005	CS1005COG3R3J160NR	B	C120, C121	ANY	3.3 pF
73				D72		1						EA	Chip Capacitor -1005	CS1005COG1R5J160NR	B	C189	ANY	1.5 pF
74				D73		2						EA	Chip Capacitor -1005	CS1005COG0R5J160NR	B	C170, C185	ANY	0.5pF
75				D74		10						EA	Chip Capacitor -1005	CS1005COG100J160NR	B	C42, C43, C132, C135, C158, C175, C177, C178, C186, C187	ANY	10 pF
76				D75		1						EA	Chip Capacitor -1005	CS1005COG822J160NR	B	C50	ANY	8200 pF
77				D76		1						EA	Chip Capacitor -1005	CS1005COG333J160NR	B	C173	ANY	33nF
78				D77		12						EA	Chip Capacitor -1005	CS1005COG103J160NR	B	C74, C127, C128, C129, C154, C172, C188, C192, C207, C128, C208, C209	ANY	10 nF
79				D78		2						EA	Chip Capacitor -1005	CS1005COG223J160NR	B	C85, C136	ANY	22nF
80				D79		1						EA	Chip Capacitor -1005	CS1005COG153J160NR	B	C216	ANY	15nF
81				D80		2						EA	Chip Capacitor -1005	CS1005COG473J160NR	B	C63, C65	ANY	47 nF
82				D81		1						EA	Chip Capacitor -1608	CS1608COG823J500NR	B	C46	ANY	0.082 uF
83				D82		3						EA	Chip Capacitor -1608	CS1608COG684J500NR	B	C45 C52, C110	ANY	0.68 uF

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	A	B	C	D		M1	M2	M3	M4	M5	M6								
84				D83		74							EA	Chip Capacitor -1005	CS1005COG104J160NR	B	C2, C4, C5, C7, C9, C12, C17, C20, C21, C22, C28, C29, C32, C33, C34, C35, C36, C37, C38, C44, C53, C60, C61, C62, C64, C71, C72, C77, C81, C89, C91, C92, C95, C96, C97, C98, C108, C109, C111, C112, C126, C131, C133, C137, C140, C142, C143, C144, C145, C146, C150, C151.	ANY	0.1uF
85				D84		21							EA	Chip Capacitor -1608	CS1608COG105J500NR	B	C1, C39, C41, C48, C51, C55, C57, C66, C68, C69, C75, C82, C83, C87, C93, C94, C113, C124, C125, C134, C139, C191	ANY	1uF
86				D85		19							EA	Tantal -2012	TSM0J106ASSB	B	C6, C8, C10, C11, C23, C24, C54, C56, C76, C90, C138, C168, C179, C196, C197, C198, C204.	ANY	10 uF
87				D86		10							EA	Chip Resistor -1005	RC0402J000CS	B	R2, R10, R54, R98, R106, R123, R30, R130, R135, R158	ANY	0
88				D87		1							EA	Chip Resistor -1005	RC0402J1131CS	B	R44	ANY	1.13K
89				D88		2							EA	Chip Resistor -1005	RC0402J152CS	B	R43, R118	ANY	1.5 K
90				D89		1							EA	Chip Resistor -1005	RC0402J182CS	B	R34	ANY	1.8K
91				D90		2							EA	Chip Resistor -1005	RC0402J100CS	B	R11, R120	ANY	10
92				D91		1							EA	Chip Resistor -1005	RC0402F150CS	B	R134	ANY	15 / 1%
93				D92		8							EA	Chip Resistor -1005	RC0402J101CS	B	R31, R52, R55, R73, R75, R99, R121, R126	ANY	100

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	A	B	C	D		M1	M2	M3	M4	M5	M6							
94				D93		30						EA	Chip Resistor -1005	RC0402J103CS	B	R1, R4, R20, R29, R38, R66, R67, R68, R77, R85, R78, R80, R81, R82, R83, R103, R105, R110, R114, R128, R129, R131, R133, R136, R138, R139, R140,	ANY	10 K
95				D94		29						EA	Chip Resistor -1005	RC0402J104CS	B	R19, R40, R41, R45, R46, R58, R62, R69, R91, R92, R100, R101, R104, R107, R109, R115, R117, R125, R127, R132, R144, R145	ANY	100 K
96				D95		1						EA	Chip Resistor -1005	RC0402J1212CS	B	R32	ANY	12.1K
97				D96		7						EA	Chip Resistor -1005	RC0402J121CS	B	R148, R57, R60, R63, R64, R65, R39	ANY	120
98				D97		1						EA	Chip Resistor -1608	RC0603J104CS	B	R122	ANY	100K (1608)
99				D98		1						EA	Chip Resistor -1005	RC0402F112CS	B	R119	ANY	1.1K/ 1%
100				D99		2						EA	Chip Resistor -1005	RC0402J1911CS	B	R49, R59	ANY	19.1 K
101				D100		10						EA	Chip Resistor -1005	RC0402J102CS	B	R14, R35, R50, R51, R53, R61, R71, R72, R90, R156	ANY	1K
102				D101		1						EA	Chip Resistor -1005	RC0402F106CS	B	R88	ANY	10M
103				D102		1						EA	Chip Resistor -1005	RC0402F105CS	B	R108	ANY	1M
104				D103		2						EA	Chip Resistor -1005	RC0402J222CS	B	R36, R47	ANY	2.2K
105				D104		3						EA	Chip Resistor -1005	RC0402J224CS	B	R12, R56, R89	ANY	220 K
106				D105		3						EA	Chip Resistor -1005	RC0402J223CS	B	R17, R70, 86	ANY	22K
107				D106		1						EA	Chip Resistor -1005	RC0402F591CS	B	R111	ANY	590

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108				D107		2						EA	Chip Resistor -1005	RC0402J202CS	B	R5, R116	ANY	2K	
109				D108		2						EA	Chip Resistor -1005	RC0402J3571CS	B	R102, R137	ANY	3.57k	
110				D109		1						EA	Chip Resistor -1005	RC0402J392CS	B	R6	ANY	3.9K	
111				D110		4						EA	Chip Resistor -1005	RC0402J431CS	B	R15, R16, R23, R24	ANY	430	
112				D111		2						EA	Chip Resistor -1005	RC0402J470CS	B	R74, R76	ANY	47	
113				D112		1						EA	Chip Resistor -1005	RC0402J471CS	B	R48	ANY	470	
114				D113		1						EA	Chip Resistor -1005	RC0402J474CS	B	R37	ANY	470 K	
115				D114		1						EA	Chip Resistor -1608	RC0603J1243CS	B	R124	ANY	124 K (1608)	
116				D115		4						EA	Chip Resistor -1005	RC0402J4990CS	B	R25, R26, R27, R28	ANY	499	
117				D116		1						EA	Chip Resistor -1005	RC0402F49R9CS	B	R113	ANY	49.9 /1%	
118				D117		2						EA	Chip Resistor -1005	RC0402J561CS	B	R42, R87	ANY	560	
119				D118		1						EA	Chip Resistor -1005	RC0402J563CS	B	R22	ANY	56K	
120				D119		1						EA	Chip Resistor -1005	RC0402J5102CS	B	R155	ANY	5.1K	
121				D121		1						EA	Chip Resistor -1005	RC0402F164CS	B	R152	ANY	160K	
122				D122		1						EA	Chip Resistor -1005	RC0402J9531CS	B	R33	ANY	9.53K	
123				D123		4						EA	Chip Resistor -1005	RC0402J221CS	B	R112	ANY	220	
124				D124		1						EA	5 x 7 x 21	Antenna	C	ANT1			



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125				D125		1						EA	□□ MOTOR		H			MOTOR	
126				D126		1						EA	□□ DOME Sheet	Mesh Dome Sheet	F				
127				D127		1						EA	□□□□ □□ □□□	WIP-SP-MOT	F	□□□□□ □□, □□:5mm □□ □□ □□□, □□□ □□ □□□ □□	□□□□ □□□	□□□	
128				D128		1						EA	Shild Cover	CF Card□	F	□□□□ , □□□□	GEMTEK		
129				D129		1						EA	Shild body	CF Card□	F		GEMTEK		
130				D130		1						EA	BATTARY	LP063048	P		BYD Korea		
131				D131		1						EA	MIC Holder	WIP-5000M □ □□	P		□□□□		
132				D132		6						EA	SCREW	5 X 1.4 X 3mm	P		□□□□□		