

Ampwave, Inc. 59 La Grange Street Raritan, New Jersey 08869 Phone: 908-253-6870 - Fax: 908-253-6875				Title: Microcell Amplifier Assembly: PCB500351-C		Engineer: Yuanzheng Zhang
Revision: Released Date:				C		Date: 05/30/00
						Approved:
						Date: 10/20/00
Item Number	Amplidyne Part No.	Rev LTR	Qty.	Description	Reference	Vendor & Part Number
1				Artwork,		
2	PCB500351	B	1	PCB, Material G200 H=28 MIL		
3	PLT500411	A		Mounting Plate		Maching Solutions
4		B		Drawing,		
5	10077	*	6	Chip Capacitor, 56 pf / 50v 5% 0603	C1,2,3,4,16,18,	Cal Chip
6	10075 / 10079	*	1	Chip Capacitor, 100 pf / 150v 0805 (A-case)	C9	ATC-100A101J GMC10CG560V50NT
7	10003	*	2	Chip Capacitor, 1000 pf / 100v 5% 0805	C14,15	Vitramon - VJ0805A102JXBMT
8	25277	*	1	Chip Capacitor, 3.3 pf / 35v 25% 0805	C8	ATC preferred - Vitramon 2VJ9076-09
9	10094	*	1	Chip Capacitor 1.8 pf	C7	ATC - 100B1R8CW500X
10	15077	*	1	Chip Capacitor, 1.6 pf 5% 1/10w 0805	C6	ATC
11		*	1	Chip Capacitor, 2 pf / 10% / 1/10w 0805	C5	ATC
12		*	1	2 turns coil w fer.	L2	SMD - RM73B2ZT241J
13		*	1	Transistor, SCA-2	Q5	Stanford
14	10045	*	1	Chip Capacitor, 0.1 uf	C15	SMD - V12104104KXAM
15	10057	*	7	Chip Capacitor, 10 uf / 35v 10% Tant 3528	C10,12,13,17,19,21,22	
16	10095	*	1	Chip Capacitor, 1 pf / 10% 1/10w 0805	C16	ATC - 100BOR1BWM00X
17	15041	*	1	Chip Resistor, 51 ohms 5% 1/10w 0805	R1	Surface Mount Dist. - RM73B2AT510J
18	15096	*	2	Chip Resistor, 10 k 5% 1/10w 0805	R9, 10	Surface Mount Dist. - 807065R10K
19	15079	*	3	Chip Resistor, 2 k 5% 1/10w 0805	R5, 6, 11	Surface Mount Dist. - RM73B2AT202J
20	15046	*	2	Chip Resistor, 82 ohms 5% 1/10w 0805	R13, 16	
21	15120	*	1	Chip Resistor, 100 k 5% 1/10w 0805	R5	Surface Mount - RM73B2AT104J
22	20114	*	2	Trimpot, 2k 10 turns 4 mm Top Adjust SMT	P1,3	Bourns - 3224W001202E
23		*	1	Regulator, LM7805, TO202	U5	LM7805
24		*	1	Regulator, LM7812, TO202	U6	FAL-6336-ISO
25	25315	*	1	Diode HP2	Q1	Fai - HSMS2820-BLK
26		*	1	Power Amp, RF2126	U1	RF Micro Device
27		*	2	T/R Switch, HMC195	Q2,3	Hitite
28	30497	*	1	IC, MTD20P03HDL case 369a-13 style 2	D1	Motorola - MTD20P03HDL
29	30539	*	2	IC, TC4428-EOA, SMT, 8 Pin.	U3, 4	MicroTek - TC4428EOA
30	30232	*	1	IC, LM339 SO-14	U2	FAL - LM339
31		*	1	Coupler, 1x606	Q4	Anaren - 1x606
32	30550	*	1	Diode, Bridge Rectifiers,	D5	Digikey - KBL02-ND
33		*	1	4700 uf, 50V, +/-20%	C20	Jameco 158810
34	20150	*	1	Inductor, 47 nh, 0603	L1	Toko#KQ0603TE47NJ
35	406**	*	2	Connector, Board Mount for 0.062		Johnson - 142-0701-801
36	45037	*	10	Screws, 4-40 x 3/16 Panhead, SS		McMaster & Carr - 91792A105

Form: PL-10001-01B - 07/99

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	*	1	Lead Resistor, 510 OHM, 5%, 1w	R2	
30502		1	Transistor, MJE 3055 T, TO-220		Jameco 25857/ SGS Thomson MJE3055T
97101		1	Diode, IN4735, 6.2 V, Zener, DO-41	D2	Jameco 36126
97102		1	Diode, IN 4744, 15V, Zener, DO-41	D3	Jameco 36185