

**Amplidyne, Inc.**  
 59 La Grange Street,  
 Raritan, NJ 08869  
 Phone: 908-2536870 Fax:908-253-6875

PROJECT: <b>Wireless Internet</b>		Date: <b>08/20/99</b>
Revision: <b>A</b>	Approved:	
Released Date:	Date:	

Item Number	Amplidyne Part No.	Rev LTR	Qty.	Description	Reference	Vendor & Part Number
1				Artwork,		
2	PCB500208			PCB, Material:G200 H=28 MIL		
3				Housing		
4				Drawing,		
5						
6			7	56 PF,CHIP CAP, TYPE 0603	C21,30,7,16,19,13,18	ROHM
7			4	100 PF,CHIP CAP, TYPE 0805	C20,23,30,35	ROHM
8			8	1000 PF, CHIP CAP, TYPE 0805	C4,24,3,27,26,43,34,40	ROHM
9			2	120 PF, CHIP CAP, TYPE 0805	C5,22	ATC
10			2	1PF,CHIP CAP,TYPE 0805	C8,17	
11			7	15 PF,CHIP CAP, TYPE 0805	C1,28,31,37,46,49,42	
12			8	1uF,CHIP CAP, 10%,	C2,26,6,25,11,44,47,36	
13			4	0.1uF,CHIP CAP, 5%,	C14,15,9,12	
14			5	10uF,CHIP CAP, 20%,	C38,32,33,48,13	
15						
16			2	2.7nH, Chip Inductor, Type0603	L1,3	Toko#LL1608-F2n7K
17			1	100nH, Chip Inductor, Type0603	L5	Toko#LL1608-FR10K
18			1	5.6nH, Chip Inductor, Type0603	L4	Toko#LL1608-F5N6K
19			1	12nH, Chip Inductor, Type0603	L2	Toko#LL1608-F12NK
20			2	3Turns Coil	L6,8	
21						
22			6	51 Ohm, Chip,Res. 5%, Type0805,	R17,7,12,26,27,14	
23			2	56K Ohm, Chip,Res. 5%, Type0805,	R8,16,	
24			1	68 Ohm, Chip,Res. 5%, Type0805,	R25,	
25			1	10 Ohm, Chip,Res. 5%, Type0805,	R10	
26			2	110 Ohm, Chip,Res. 5%, Type0805,	R13,15	
27						
28			1	30 Ohm, Chip,Res. 5%, Type0805,	R21	
29			1	180 Ohm, Chip,Res. 5%, Type0805,	R19,22	
30			4	10 KOhm, Chip,Res. 5%, Type0805,	R1,9,11,16	
31			2	180 Ohm, Chip,Res. 5%, Type0805,	R21,22	
32			2	2 KOhm, Chip,Res. 5%, Type0805,	R4,2	
33			2	82 Ohm, Chip,Res. 5%, Type0805,	R1,18	
34			4	2 Kohm, Trimpot, SMT, 10 Turns, 4mm, Top Adjust	P1,2,3,4	Bourns #3224W001202E
35						

Form: PL-10001-00A - 01/98

Dwg No.: **PCB500208**

File Name: TR-2400--3.xls  
 Date Printed: 4/13/00  
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59 La Grange St.

Raritan, NJ 08869

Tel: 908-2536870 Fax: 908-2536875

DC injector

PROJECT:AMP2425-27S

Engineer: Yuanzheng Zhang

Date: 02/22/00

Revision: A  
Released Date:

Approved:

Date:

Item Number	Amplidyne Part No.	Rev LTR	Qty.	Description	Reference	Vendor & Part Number
1				Artwork,		
2	PCB500319			PCB, Material:FR4 H=60MIL		
3				Pallet,		
4				Drawing,		
5						
6			2	15 PF,CHIP CAP, TYPE 0805	C1,4	
7			1	1000 PF, CHIP CAP, TYPE 0805	C2	
8			1	10UF, CAP, 35V	C3	
9						
10			5	2 Kohm Chip Res. 5%, Type 0805	R1,2,7,10,13	
11			1	11 Kohm Chip Res. 5%, Type 0805	R12	
12						
13			1	10 Kohm Chip Res. 5%, Type 0805	R5	
14			2	100 Kohm Chip Res. 5%, Type 0805	R4,9	
15			2	20 Kohm Chip Res. 5%, Type 0805	R3,11	
16			1	0 ohm Chip Res. 5%, Type 0805	R6	
17			1	2 ohm Res., 1W	R8	
18						
19			1	Differential AMP. 1N105	U1	
20			1	Comparator. LM339	U2	
21						
22			1	LED Green	D1	
23			1	LED Red	D2	
24			1	Voltage Compress Diode, P6SMB15AT3	D3	
25						
26			1	Power Jack PJ-002A		
27			2	N-Type Panel Mt. Female Connector		
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Form: PL-10001-00A - 01/98

File Name: DC injector.xls  
Date Printed: 4/13/00

Amplidyne, Inc.  
144 Belmont Drive

Title:  
Project:

Dwg No.: PCB500121

Engineer:

Date:

**Amplidyne, Inc.**

59 La Grange Street,  
Raritan, NJ 08869

Phone: 908-253-6870 Fax: 908-253-6875

*Title: Spread Spectrum T/R Amplifier*

*Project: Wireless Internet*

*Engineer: Yuanzheng Zhang*

*Date: 08/20/99*

*Revision:  
Released Date:*

*Approved:*

*Date:*

Item Number	Ampildyne Part No.	Rev	Qty.	Part Description	Reference	Vendor & Part Number
36			2	Transistor , NE34018	Q6,9	NEC#NE34018
37			1	Transistor , AH1	Q10	WJ, Ah1
38			1	Transistor , FLL101	Q1	Fujitsu
39			1	Transistor , SCA-2	Q4	Stanford
40			1	Regulator, LM7805, TO202	Q12	
41			2	T/R Switch, ITT501AJ	Q3,8	Gastek
42			1	Band Passm Filter	Q11	Trans-Tech#957920-1
43			2	3DB Hybrid, 2.3-2.6Ghz	U6,7	Anaren# 1X603
44			2	Transistor, MTD20p03HDL, Dpak	Q2,5	Motorola# MTD20P03HDL
45			2	IC, TC4428	U2,9	
46			1	IC, LM339	U1	
47			1	IC,LM7905 SO-8	U3	
48			1	IC, 7662CBD SO-14	U5	
49			1	IC, Power Detect, AD8313	U8	Anlog Devices #AD8313
50						
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