

1: SCHEMATIC DIAGRAM, PA3-1XC W/RD70HUF2, Production Release

2: 102943 Revision: G

3:

4: **T P L COMMUNICATIONS**

5: **LOS ANGELES, CALIFORNIA 90065**

6:

7: Bill Of Materials PA3-1XC

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8:

Revised: May 3, 2012

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10: Item	Qty	Reference	Part Value
11:			
12: 1	1	ATT1	TBD
13: 2	1	C5	1nF (1812)
14: 3	1	C6	.1uF (1812)
15: 4	6	C3,C41,C43,C47,C48,C49	1nF (1206)
16: 5	7	C1,C2,C4,C27,C44,C45,C51	.1uF (1206)
17: 6	1	C7	1uFx25V TANT
18: 7	1	C8	33uFx20V TANT
19: 8	4	C9,C14,C18,C23	270pF ATC
20: 9	4	C10,C13,C33,C34	24pF ATC
21: 10	2	C11,C24	200pF ATC
22: 11	1	C12	56pF ATC
23: 12	6	C15,C17,C29,C30,C31,C36	1000pF ATC
24: 13	1	C16	470pF ATC
25: 14	1	C19	68pF ATC
26: 15	2	C20,C22	2.5-10pF JOHANSON
27: 16	1	C21	150pF ATC
28: 17			
29: 18	1	C25	82pF ATC
30: 19	2	C26,C28	1000pF (1206)
31: 20	2	C32,C35	16pF ATC
32: 21	2	C37,C40	15pF Mini CDE
33: 22	2	C38,C39	33pF Mini CDE
34: 23	2	C42,C52	100pF (1206)
35: 24	1	C46	20pF (1206)
36: 25	1	C50	10uFx25V TANT
37: 26	1	D1	ESD5B5.0ST1G
38: 27	1	D2	1.5SMC18AT3G
39: 28	4	D3,D4,D5,D6	MA4P1250
40: 29	2	D7,D8	MMSD301LT1
41: 30	1	D9	APTL3216CGCK
42: 31	3	FIL1,FIL2,FIL3	NFL21SP106X1C3D
43: 32	1	F1	15A.
44: 33	4	L1,L6,L9,L10	1.0uH PM1812-1R0J
45: 34	1	L2	5T 0.15" ID
46: 35	1	L3	5T 0.25" ID
47: 36	1	L4	18.5nH Coilcraft
48: 37	1	L5	7.15nH Coilcraft
49: 38	1	L7	1/2T
50: 39	1	L8	2T
51: 40	3	L11,L12,L13	3T
52: 41	3	L14,L15,L16	4T
53: 42	1	Q1	RD70HUF2
54: 43	1	Q3	BCP53 (SOT-223)
55: 44	1	R34	0 Ohm (1206)

56: 45	2	R1,R6	2.2k (1206)
57: 46	2	R2,R3	2.2 (1206)
58: 47	2	R4,R5	100 X 1W (1812)
59: 48	1	R16	1.0k (1206)
60: 49	1	R8	1M (1206)
61: 50	1	R9	390k (1206)
62: 51	2	R10,R20	10k (1206)
63: 52	1	R11	470 (1206)
64: 53	3	R12,R13,R14	100k (1206)
65: 54	1	R15	300 (1206)
66: 55	1	R17	560 (1206)
67: 56	2	TP1,TP2	TEST POINTS
68: 57	1	U1	LM3490IM5-5.0
69: 58	1	U2	MC74AC04
70: 59	2	U4,U5	LMC7101
71: 60	1	U6	LD1117S50CTR
72: 61	2	VR1,VR2	2K