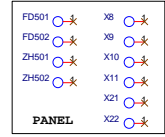
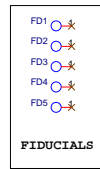
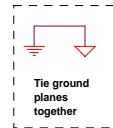
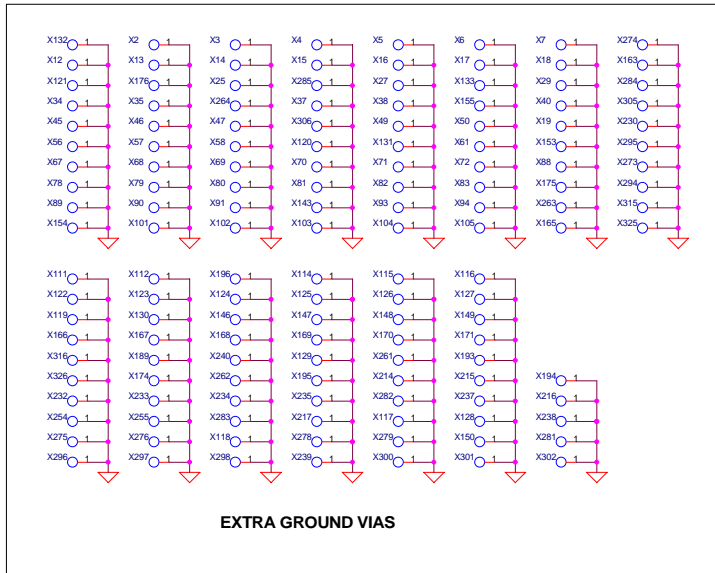
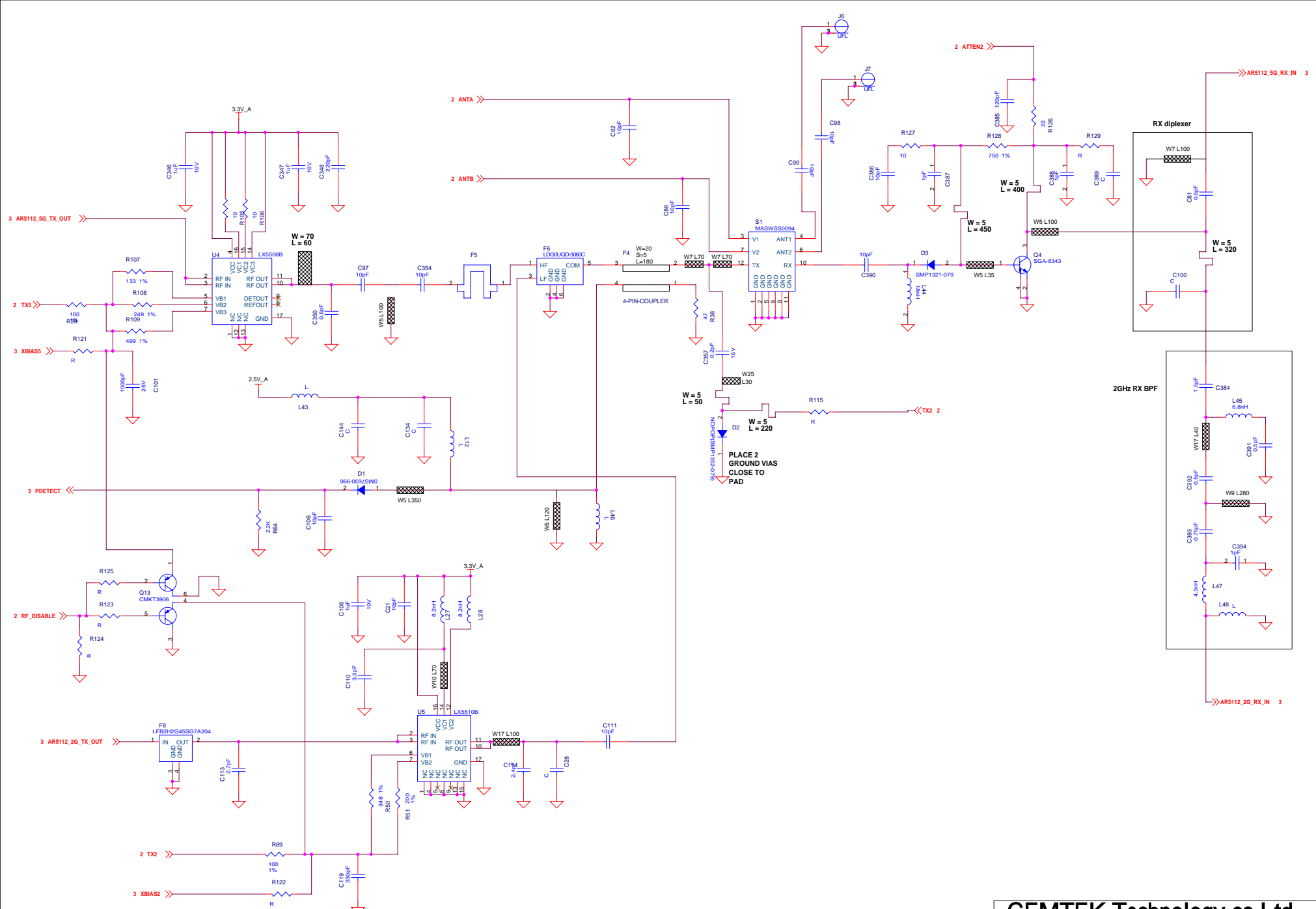


# ATHEROS CONFIDENTIAL PRELIMINARY



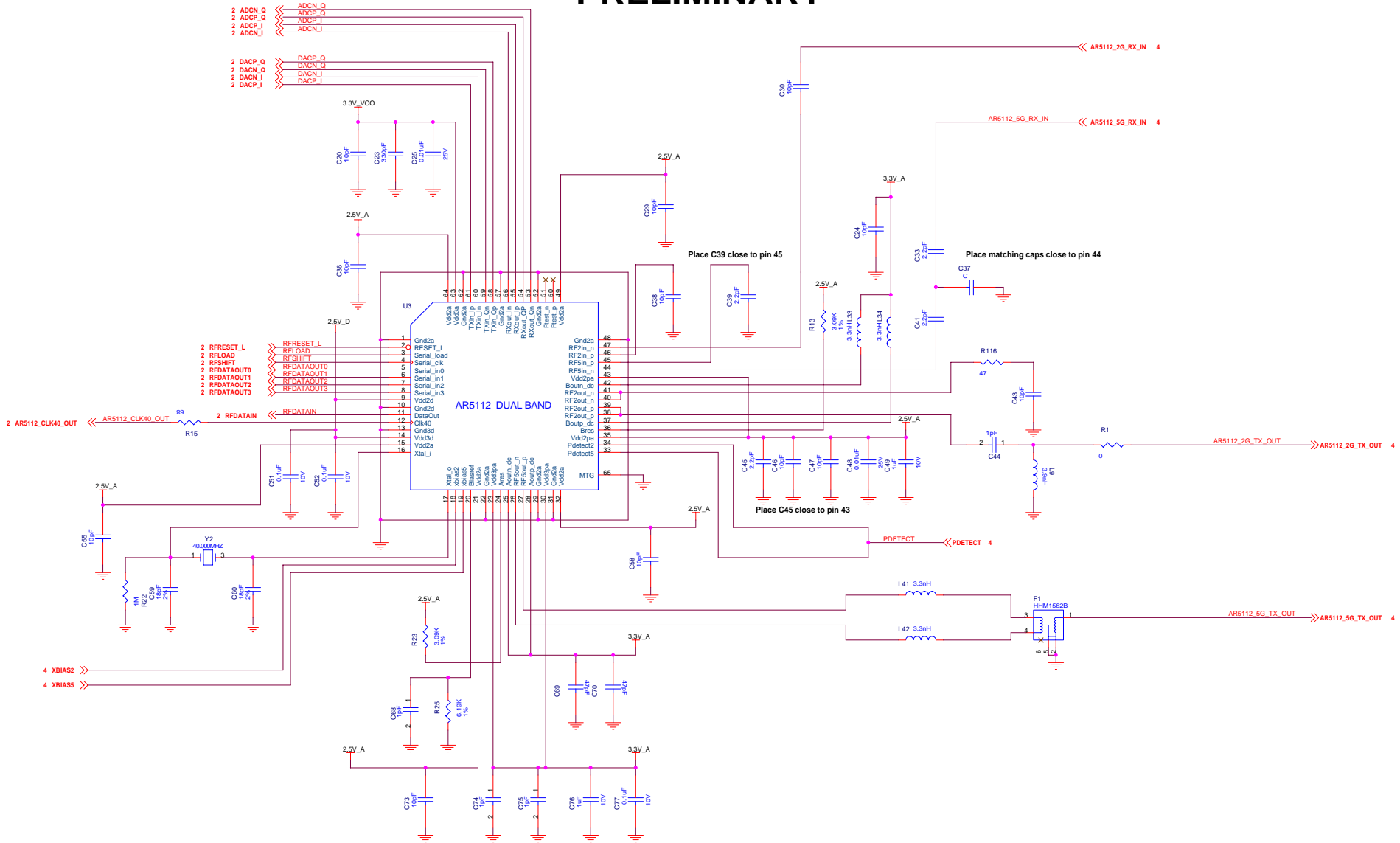
<b>GEMTEK Technology co,Ltd</b>		
Title: WMIA-123AG		
Size: C File: WMIA-123AG-V02.DSN	Sheet: 5 of 5	
Directory: E:\WMIA-123AG\SCH\02\WMIA-123AG_SCH_V02.DSN Rev: 02		
Design: james-yao	Appvd: Randy	Now date: 星期五, 八月 27, 2004
		Present date: ???-??-??



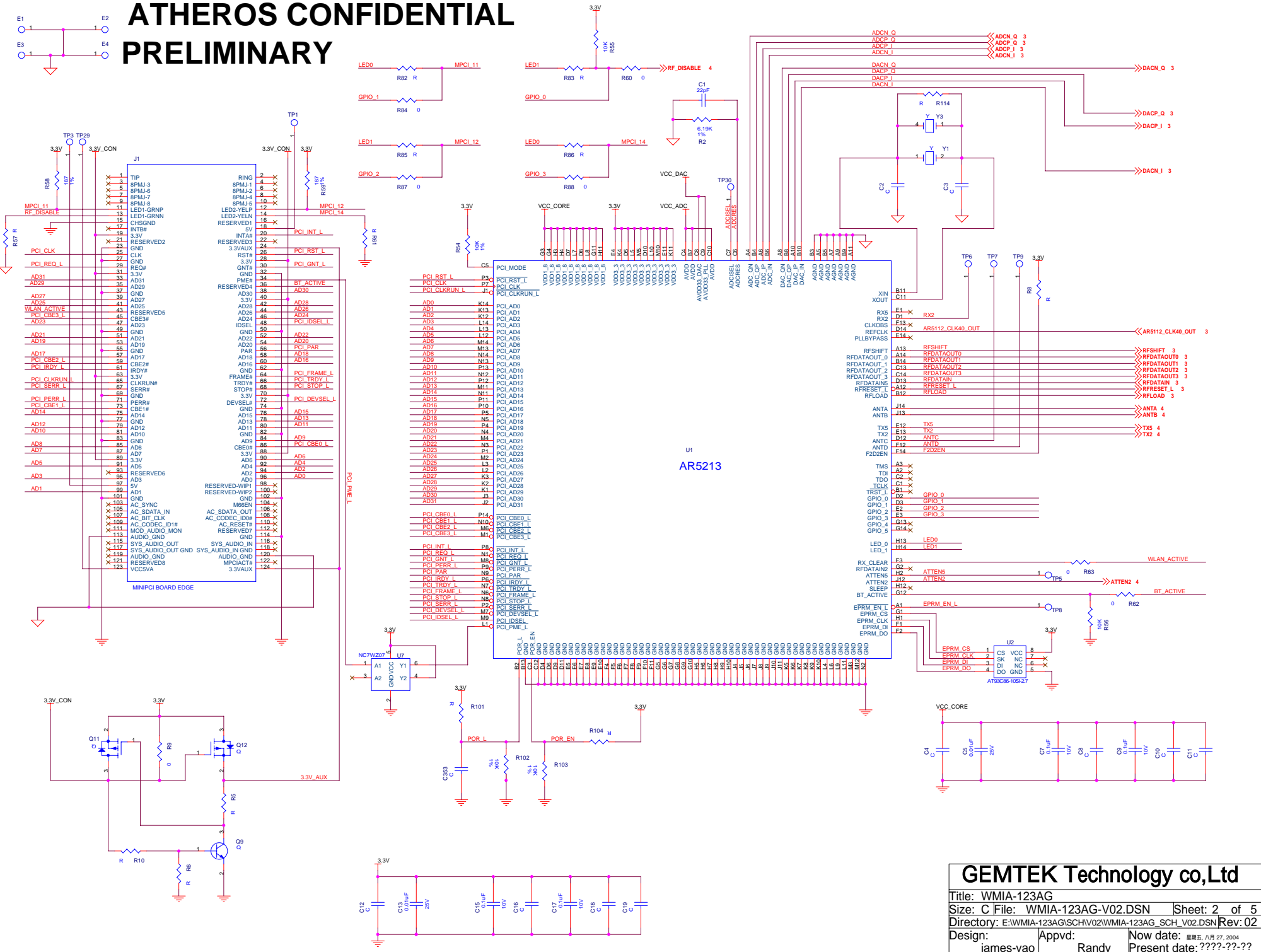
**ATHEROS CONFIDENTIAL  
PRELIMINARY**

<b>GEMTEK Technology co,Ltd</b>		
Title: WMIA-123AG	Sheet: 4 of 5	
Size: C File: WMIA-123AG-V02.DSN	Rev: 02	
Directory: E:\WMIA-123AG\SCH\02\WMIA-123AG_SCH_V02.DSN	Now date: 星期五, 八月 27, 2004	
Design: james-yao	Appvd: Randy	Present date: ???-??-??

# ATHEROS CONFIDENTIAL PRELIMINARY



# ATHEROS CONFIDENTIAL PRELIMINARY



DATE	REVISION NUMBER	INITIALS	DESCRIPTION
11/04/03	245-01261-010	AD	Single wideband xLNA, with diplexer at the output xLNA uses simple drain feedback bias, with series gate PIN diode Simplified decoupling capacitor network Power detector diode requires no bias 11g receive filter uses discrete components 2.5V voltage regulator is an LDO Some matching inductors are printed Some ferrite beads are replaced with 0ohm resistors Leaded as well as SMT 32kHz XTAL packages supported
11/20/03	245-01261-020	VN	Changed C114 to C. Changed C28 to 2.2pF. Changed C100 to C. Changed C391 to 0.5pF. Changed C97; C354; C386 to 10pF. Changed R127 to 10.
12/15/03	245-01261-021	AD	Corrections to -020: Actually changed C114 and C28
1/23/04	245-01261-030	JW	Changed C357 from 0.6pF to 0.3pF. Add matching between C57 and D2. Changed C138 and C395 from 2.2uF,0805 to 4.7uF, 1206.
2/24/04	245-01261-031	AD	Changed D3 from SMP1352-079 to faster SMP1321-079 Changed R128 from 270ohms to 750ohms 1%
3/5/04	245-01261-032	AD	Changed U4 to LX5506B and U5 to LX5510B Changed R105 and R106 to 15ohms, R107 to 133ohms, R108 to 249ohms, and R109 to 499ohms Changed R89 to 100ohms and R50 to 348ohms
6/8/04	245-01261-033	AD,DQ	Changed R104, R101 to R and R102, R103 to 10k Remove C353 Note: R102, R103 can be 0ohm or 10Kohm
2004/06/14	WMIA-123AG_V00	FORD&JAMES-YAO	DEL C14,C6; U2:Change to AT93C86-10SI-2.7 ; Y1:32.768KHZ Change to NOPOP; R114:6.8M Change to NOPOP; C2:22PF Change to NOPOP ; C3:22PF Change to NOPOP
2004/07/27	WMIA-123AG_V01	James-Yao	EVT Change list: R105=15 TO 10 ; R106=15 TO 10 ; C350=0.5pF TO 0.6pF ; C357=0.3pF TO 0.2pF ; R64=1.1K TO 2.2K ; C114=NOPOP TO 2.4pF ; C28=2.2pF TO NOPOP
2004/08/26	WMIA-123AG_V02	JAMES-YAO	DVT Change List : C132=NOPOP TO 4.7uF ; R115=220 ohm TO NOPOP ; D2=SMP1352-079 TO NOPOP

## MB44 - Mini PCI Type IIIB Card 802.11a and 802.11g Combo Radio

<b>GEMTEK Technology co,Ltd</b>		
Title: WMIA-123AG		
Size: C	File: WMIA-123AG-V02.DSN	Sheet: 1 of 5
Directory: E:\WMIA-123AG\SCH\02\WMIA-123AG_SCH_V02.DSN Rev: 02		
Design:	Appvd:	Now date: 星期五, 八月 27, 2004
james-yao	Randy	Present date: ???-??-??