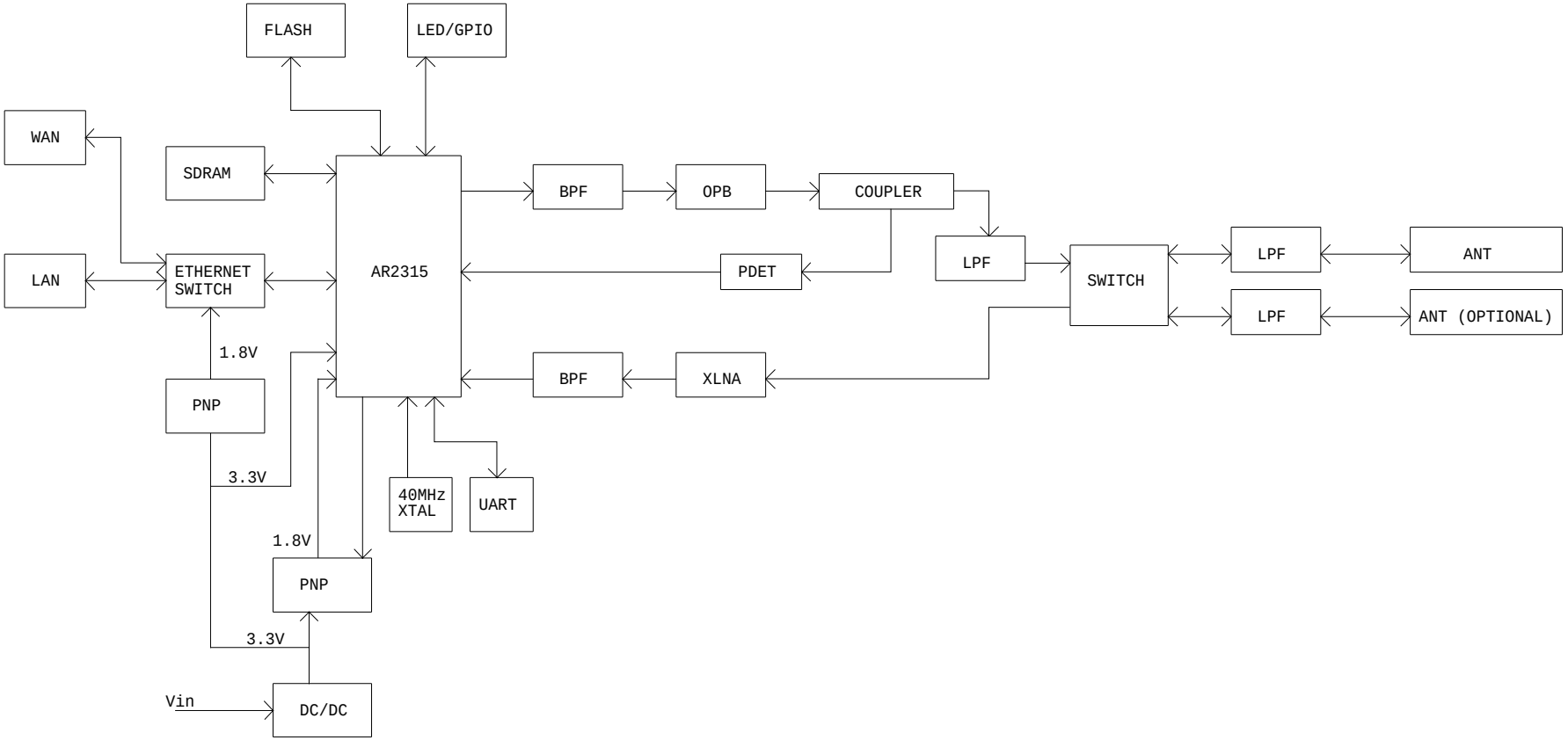
Generated by Foxit PDF Creator © Foxit Software
http://www.foxitsoftware.com For evaluation only.



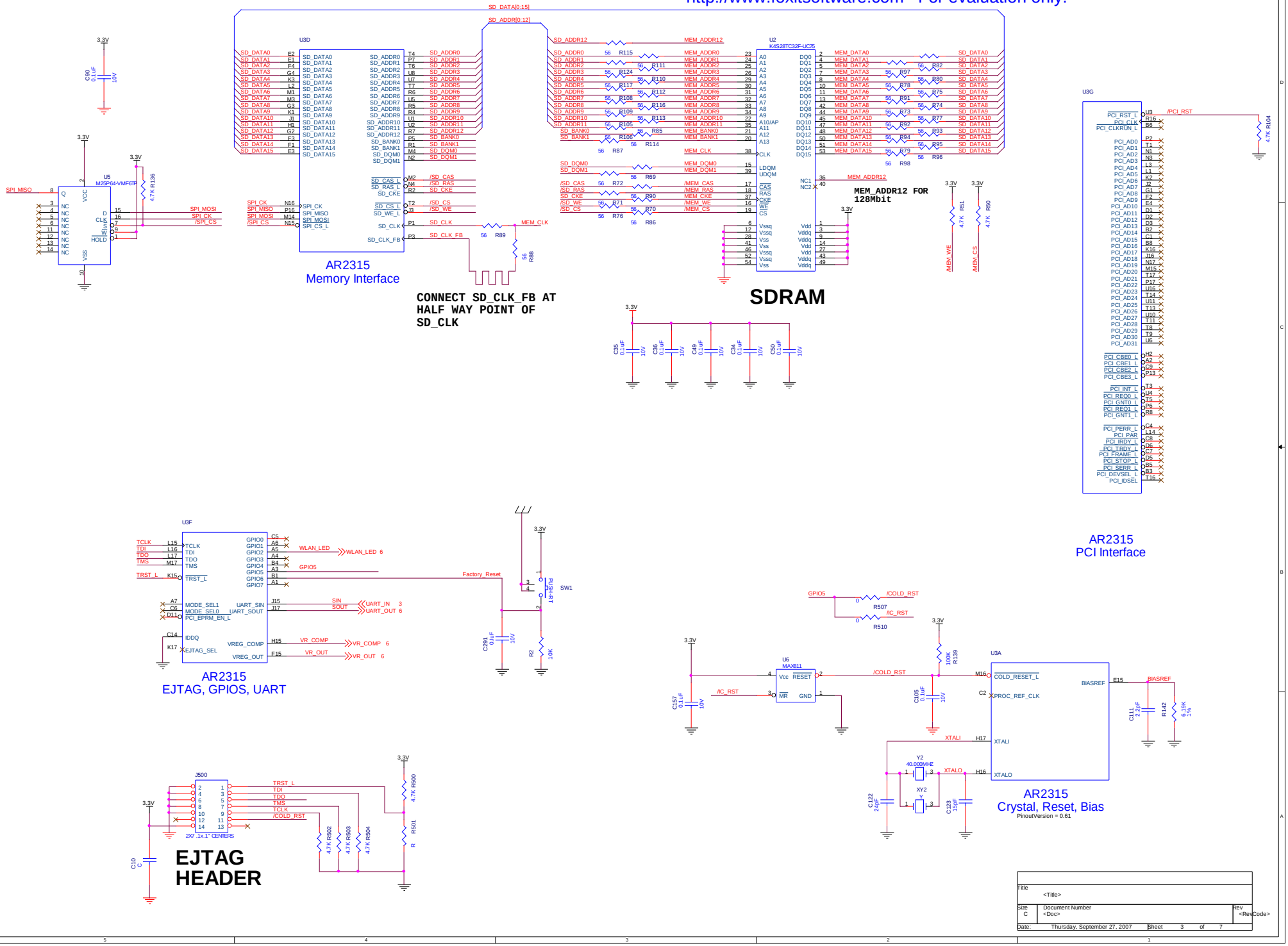
Generated by Foxit PDF Creator © Foxit Software
http://www.foxitsoftware.com For evaluation only.

AP- AR2315 BASED,

802.11b/g BRIDGE

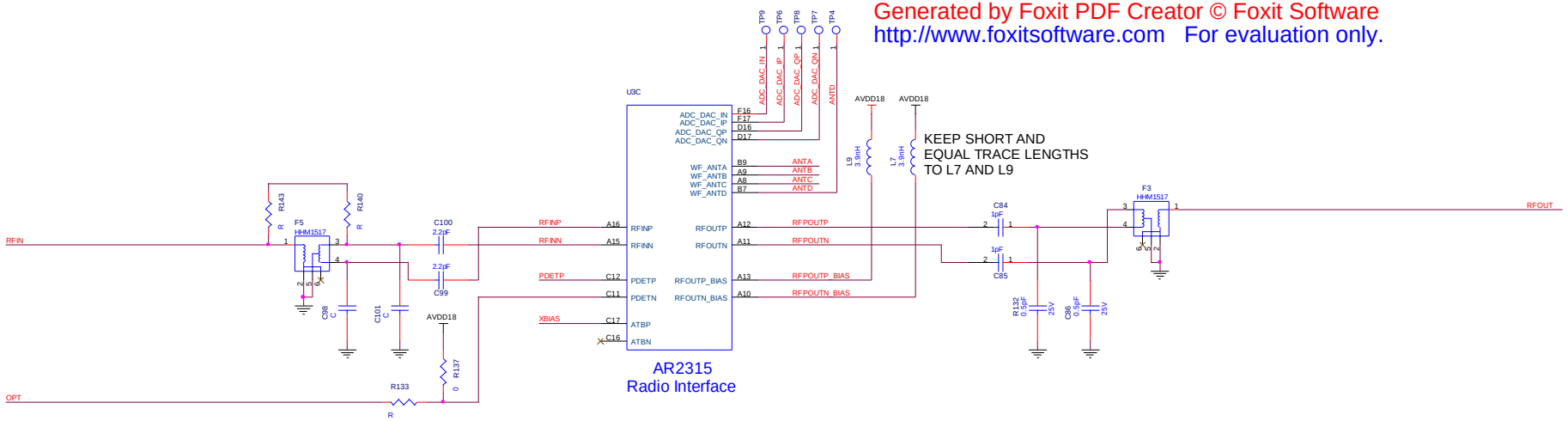
DATE	REVISION NUMBER	Page	DESCRIPTION
2007/03/09	Revision 01		Initial release.

Generated by Foxit PDF Creator © Foxit Software
http://www.foxitsoftware.com For evaluation only.

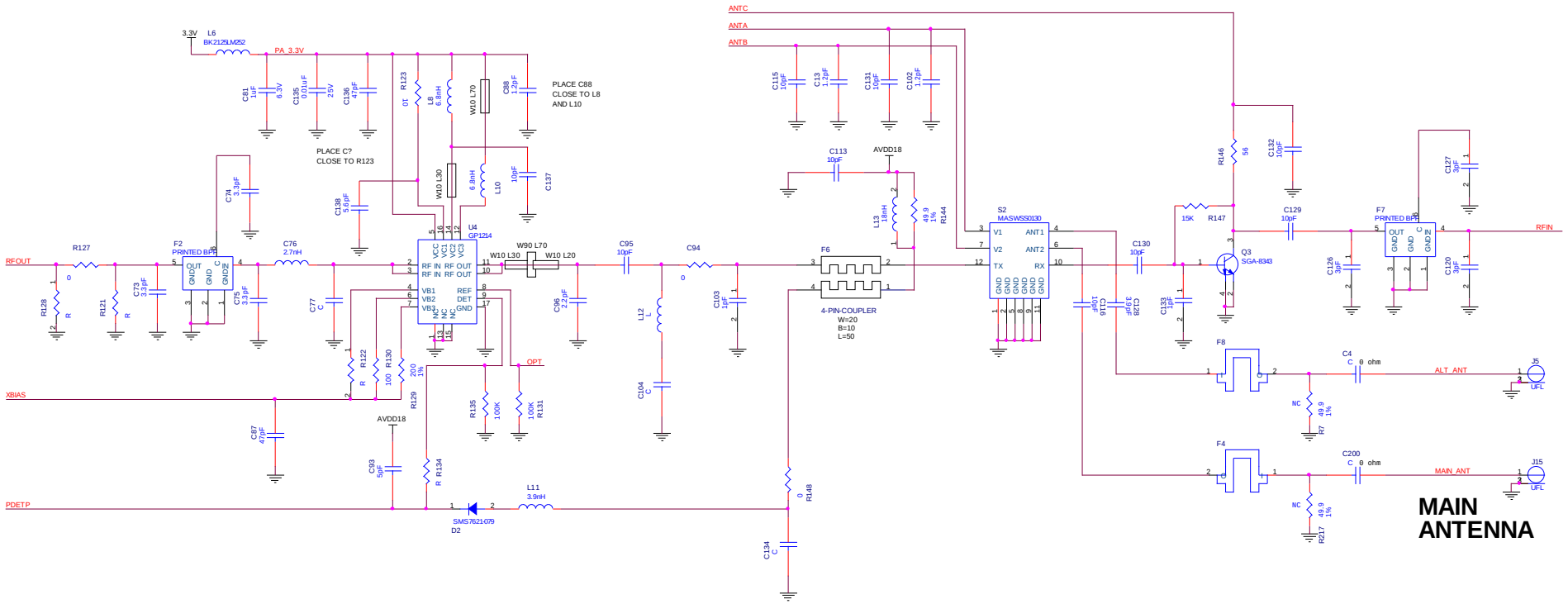


Title	<Title>		
Size C	Document Number <Doc>		Rev <RevCode>
Date: Thursday, September 27, 2007	Sheet 3	of 7	

Generated by Foxit PDF Creator © Foxit Software
http://www.foxitsoftware.com For evaluation only.



ATHEROS CONFIDENTIAL
PRELIMINARY



Title	<Title>		
Size C	Document Number <Doc>		Rev <RevCode>
Date: Thursday, September 27, 2007	Sheet 4	of 7	

Generated by Foxit PDF Creator © Foxit Software
http://www.foxitsoftware.com For evaluation only.

AR2315
MII Interface

U3E

ETH_MDC U17 MDC
ETH_MDIO P15 MDIO
ETH_RXD0 R13 RXD0
ETH_RXD1 R14 RXD1
ETH_RXD2 U14 RXD2
ETH_RXD3 U15 RXD3
ETH_RXC N14 RXCLK
ETH_TXD0 P12 TXD0
ETH_TXD1 R11 TXD1
ETH_TXD2 T10 TXD2
ETH_TXD3 U9 TXD3
ETH_TXC T15 TXCLK
ETH_RXDV U12 RXDV
ETH_TXEN U13 TXEN
ETH_COL R12 COL
ETH_CRS R9 CRS
ETH_RXERR T12
ETH_RESET_L R17 /ETH_RESET

MDC R630 56
MDIO R631 56
RXCLK R632 100
TXCLK R633 100

R388 10K 3.3V
R389 10K 3.3V
R390 10K 3.3V
R391 10K 3.3V
C578 0.1uF 10V 3.3V
R443 10K TXD3
R444 10K TXD2
R445 10K TXD1
R446 10K TXD0

U27 88E6060-RCJ

SW_VDD
3.3V
/ETH_RESET
R600 0
R472
R473
SW_XIN
SW_XOUT
Y10 25MHz
C579 18pF
C580 18pF
C581 0.1uF 10V
L81 BK2125LM252
C582 2.2uF 10V
C583 0.1uF 10V
SW_3.3V
Q21 FMMTA56
CONTROL_15
RSETN
RSETP
R398 2K 1%
SW_VDDAL
L82 BK2125LM252
C584 C
C585 0.1uF 10V
C586 2.2uF 10V
Q22 FMMTA56
CONTROL_25
SW_VDDAH
L83 BK2125LM252
SW_VDDAL_2.5V
C592 2.2uF 10V
SW_2.5V
L84 BK2125LM252
C593 100uF 10V
C596 0.1uF 10V
C597 C
C594 C
C595 100uF 10V

FD_FLOW_DIS
P0_LED2
P1_LED2
P2_LED2
P3_LED2
P4_LED2
R395 10K

C645 0.001U/2KV
C646 0.001U/2KV
C649 0.001U/2KV
C650 0.001U/2KV

C587 0.1uF 10V
C588 0.1uF 10V
C589 0.1uF 10V
C590 0.1uF 10V
C591 0.1uF 10V

P4_TX-
P4_TX+
P4_RX-
P4_RX+
P3_RX+
P3_RX-
P3_TX+
P3_TX-
P2_TX-
P2_TX+
P2_RX-
P2_RX+
P1_RX+
P1_RX-
P1_TX+
P1_TX-

R695 R696 R697 R698 R699 R700 R701 R702 R703 R704 R705 R706 R707 R708 R709 R710 49.9 1%

C851 C852 C853 C854 C855 C856 C857 C858 0.01uF 16V

P0_TX-
P0_TX+
P0_RX-
P0_RX+

LAN

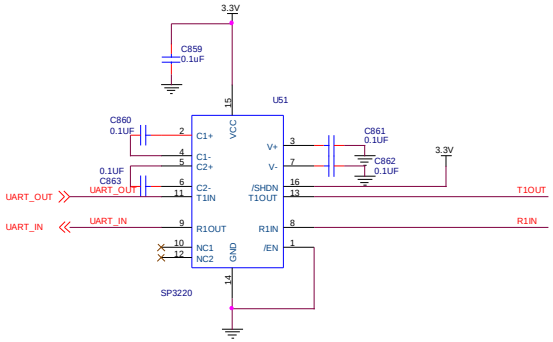
SW_VDDAL_2.5V
J106
P64-13Z-GAC39

P1_TX+ 1 TD+A NCA1 4
P1_TX- 2 TD-A NCA2 5
3 CTA NCA3 6
P1_RX+ 7 RD+A
P1_RX- 8 RD-A
P2_RX+ 9 TD+B NCB1 12
P2_RX- 10 TD-B NCB2 13
11 CTB NCB3 14
P2_TX+ 15 RD+B
P2_TX- 16 RD-B
P3_TX+ 17 TD+C NCC1 20
P3_TX- 18 TD-C NCC2 21
19 CTC NCC3 22
P3_RX+ 23 RD+C
P3_RX- 24 RD-C
P4_RX+ 25 TD+D NCD1 28
P4_RX- 26 TD-D NCD2 29
27 CTD NCD3 30
P4_TX+ 31 RD+D Shield1 Shield2 Shield3 Shield4 Shield5 Shield6 Shield7 Shield8 35 36 37 38 39 40 41
P4_TX- 32 RD-D

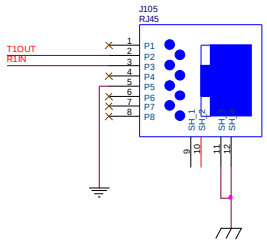
C601 C602 C603 C604 C605 C606 C607 C608 0.1uF 10V
C609 C610 C611 C612 C613 C614 C615 C616 C617 C618 C619 0.1uF 10V

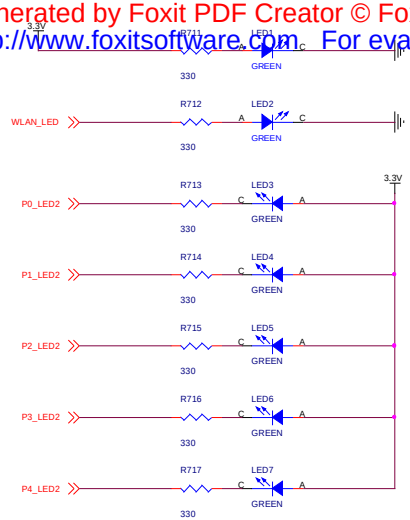
Title	<Title>	
Size C	Document Number <Doc>	Rev <RevCode>
Date: Thursday, September 27, 2007	Sheet 5 of 7	

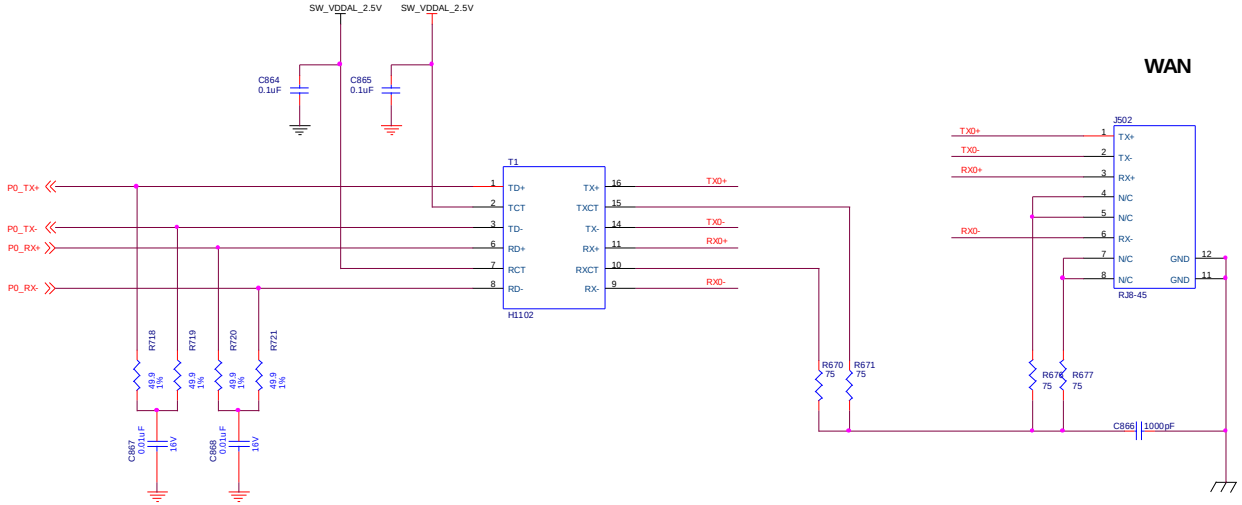
Generated by Foxit PDF Creator © Foxit Software
http://www.foxitsoftware.com. For evaluation only.



Consol



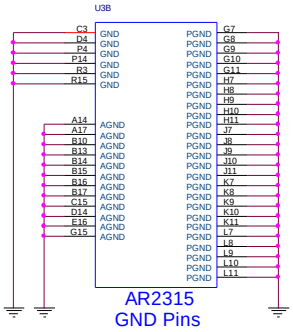




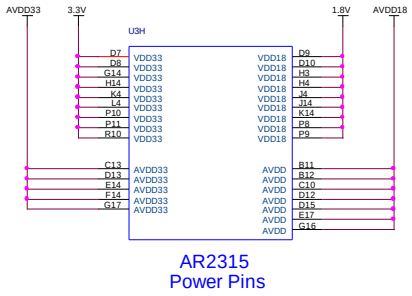
WAN

Title	<Title>	
Size C	Document Number <Doc>	Rev <RevCode>
Date: Thursday, September 27, 2007	Sheet 6 of 7	

Generated by Foxit PDF Creator © Foxit Software
http://www.foxitsoftware.com For evaluation only.

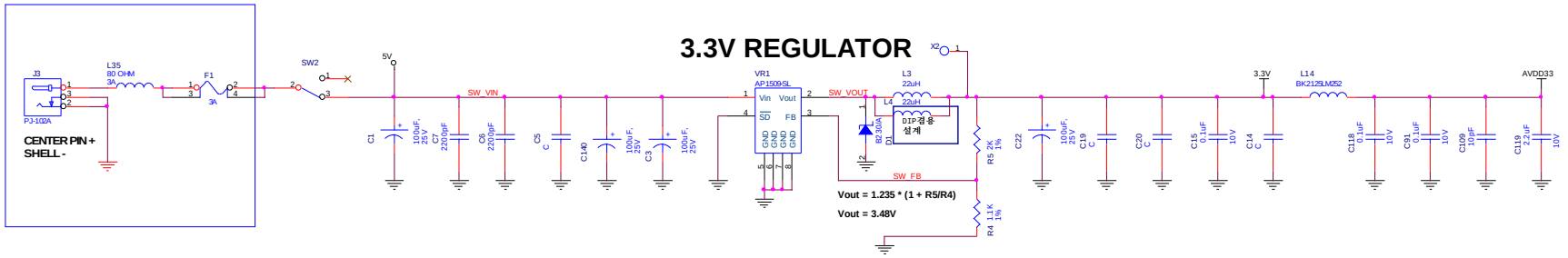


GROUND PINS



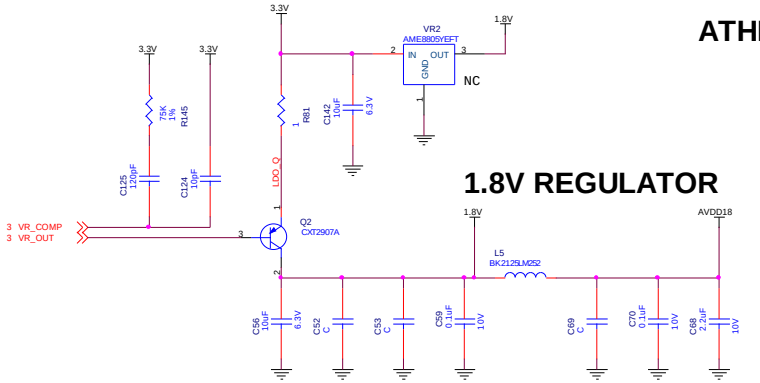
POWER PINS

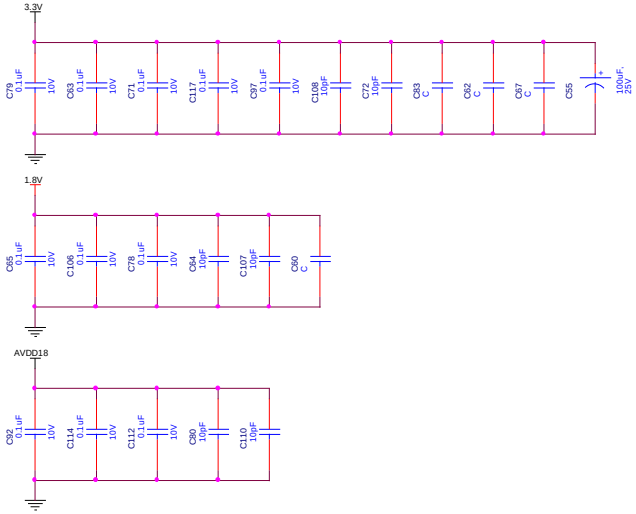
3.3V REGULATOR



ATHEROS CONFIDENTIAL
PRELIMINARY

1.8V REGULATOR





Title	<Title>	
Size C	Document Number <Doc>	Rev <RevCode>
Date: Thursday, September 27, 2007	Sheet 7 of 7	