82011-82103ES01-A-2
82011-82103ES01-A-2.SCH

PA_PE_G	TSSI
LNA1	TR_SWN
RFIN	ANTSEL_N
PA_RFIN	ANTSEL_P
TR_SW	

82011-82103ES01-A-3
82011-82103ES01-A-3.SCH

AD[0..31]	40MI
IDSEL	CBE0B
CBE3B	CBE1B
GNTB	PAR
INTAB	SERRB
REQB	PERRB
MRSTB	ANTSEL_N
TX_BB_I+	ANTSEL_P
TX_BB_Q+	TR_SWN
TX_BB_I-	LD_FO
TX_BB_Q-	RFTX_PE
RADIO_PD#	IREF
PA_PE_G	RX_BB_I+
LNA0	RX_BB_I-
LNA1	TSSI
SYNDATA	RX_BB_Q-
RFRX_PE	RX_BB_Q+
TR_SW	DEVSELB
SYNCLK	AGC
RF_LE-G#	STOPB
CCLK	CLKRUNB
IRDYB	CBE2B
FRAMEB	TRDYB

82011-82103ES01-A-4
82011-82103ES01-A-4.SCH

AD[0..31]	RADIO_PD#
CBE0B	IDSEL
CBE1B	INTAB
CBE2B	TRDYB
CBE3B	CCLK
PAR	REQB
PERRB	SERRB
IRDYB	MRSTB
CLKRUNB	GNTB
FRAMEB	STOPB
DEVSELB	

REVISION RECORD

REV	ECO	DESCRIPTION	DATE
A			20/May/2004

SAW: TFS374A (Telefilter)

U11 (SAW Filter)	C21, C21	C342, C343	L18
TFS374A (Telefilter)	1.8pF	8.2pF	47nH
TB0152A (TAI-SAW)	1.5pF	5.6pF	33nH

reference:
RALINK TECHNOLOGY, CORP.
CB-RT2560-RT2525-RFIC-V32P-RA-040226.pdf

CB-RT2560-RT2525-RFIC-V32P-RA-2-pcb

REV	ISSUED	DATE	CHECKED	DATE	APPROVED	DATE
A	Joan	20/May/2004	October	20/May/2004	Alex	20/May/2004

DWG TITLE: Wireless LAN CardBus CARD WP233g SCHEMATIC

DRAWN Joan	DATE 20/May/2004	USED ON	WP233g
CHECKED October	DATE 20/May/2004	DWG NO.	82011-82103 ES01
APPROVED Alex	DATE 20/May/2004		

Size C | Sheet 1 of 4

File Name: D:\PCB(試產)\WP233g(41713-82103)\PCB\41713-82103EL01-A.ddb - Documents\82011-82103ES01-A-1.SCH

L3 & C46 is different to reference design V3.2p

ANT2
INVERT-ANT

ANT1
INVERT-ANT

C74 2.2nH
C190 2.2pF
C78 NI
C75 2.2nH
C251 2.2p
C80 NI

TP1
Ant PA
RF TEST PAD

C347 10pF
C348 10pF

U8
OUT1 VC1
GND IN
OUT2 VC2
AS179-92

L3 2.2nH
C46 1pF
C248 1.8pF/NI

U7
MF2450B
BO BI
G C

C43 10pF
C249 1.5pF/NI

U6
VC1 OUT1
IN GND
VC2 OUT2
AS179-92

RFIN

ANTSEL_P
ANTSEL_N
TR_SW
TR_SWN

R79 1K
R78 1K
R12 1K/NI
R15 1K/NI

C338 C/NI
C339 C/NI
C340 C/NI
C341 C/NI

R219 1K
R220 1K

3.3VD

U35
74LVC1G08/SC-70

U36
74LVC1G04/SC70

LNA1

L1 10nH/0603
C328 10pF
C329 10pF
C330 10uF

U5
AP1091
RF IN
GND
DECT_V
DECT_OUT
RFOUT
RFOUT
RFOUT
NC
VB1
VB2
GND
NC
GND
NC
NC
VCC1
VCC1

L41 27nH/0603
C323 10pF
C327 2.7pF

PA_RFIN
PA_RFO
PA_OUT
TSSI

VCCA
C324 0.1uF
R222 4.7K
U37
74LVC1G08/SC-70
R40 1K/NI
PAPEI
Q1 BSS84/NI
Q4 BSS138/NI

PA_PE_G
R212 1K
PA_PEG
R216 4.7K/NI
C256 100pF/NI
R169 3.3K/NI
VBB
R210 270
R211 220
C325 100pF
C331 100pF

R210	R211	Note
150-ohm	100-ohm	Use 74LVC1G08
240-ohm	180-ohm	Use BSS84

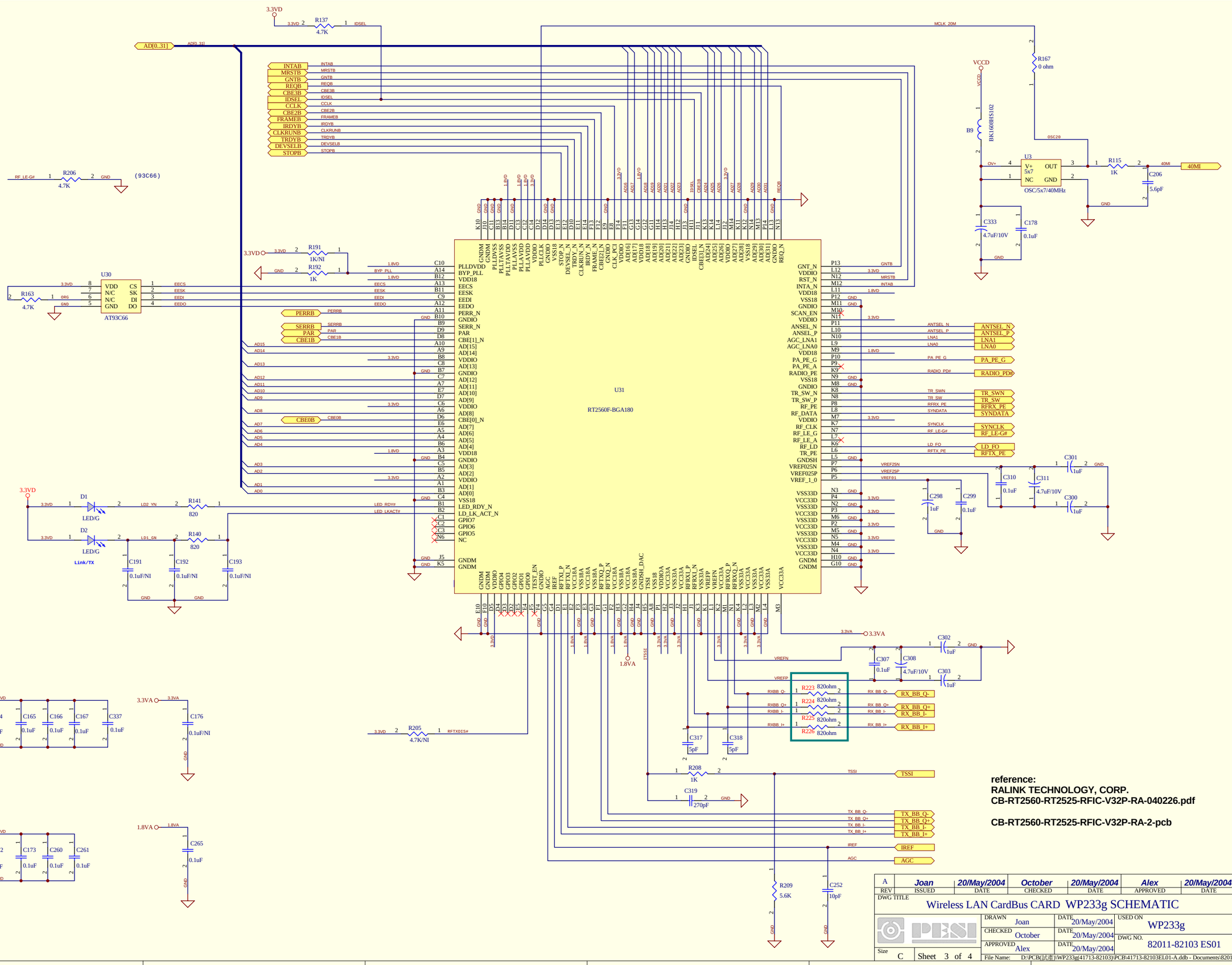
reference:
RALINK TECHNOLOGY, CORP.
CB-RT2560-RT2525-RFIC-V32P-RA-040226.pdf

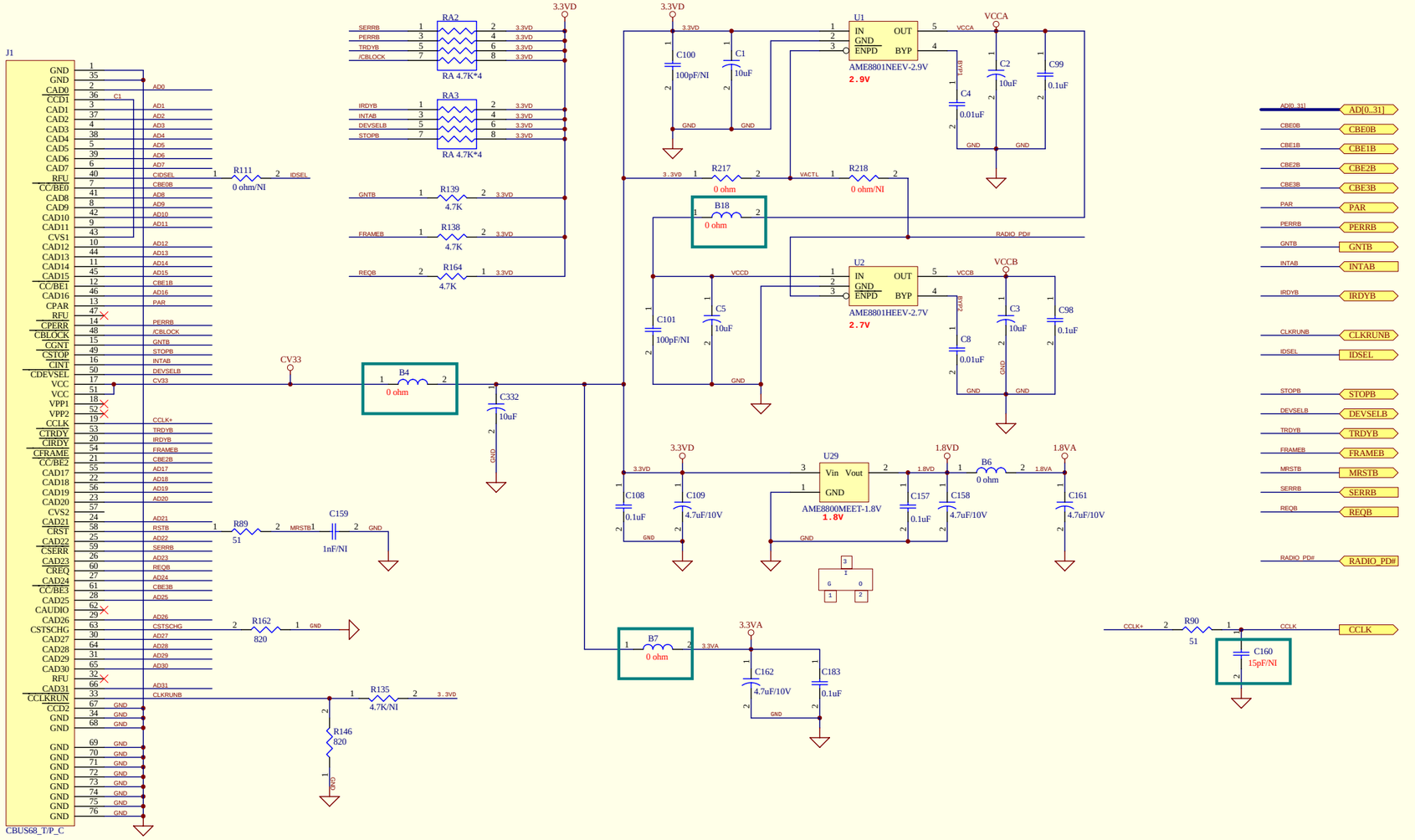
CB-RT2560-RT2525-RFIC-V32P-RA-2-pcb

REV	ISSUED	DATE	CHECKED	DATE	APPROVED	DATE
A	Joan	20/May/2004	October	20/May/2004	Alex	20/May/2004

DWG TITLE: Wireless LAN CardBus CARD WP233g SCHEMATIC

DRAWN Joan	DATE 20/May/2004	USED ON	WP233gWireless LAN CardBus CARD
CHECKED October	DATE 20/May/2004	DWG NO.	82011-82103 ES01
APPROVED Alex	DATE 20/May/2004		
Size C	Sheet 2 of 4	File Name:	D:\PCB(試產)\WP233g(41713-82103)\PCB\41713-82103EL01-A.ddb - Documents\82011-82103ES01-A-2.SCH


U31
RT2560F-BGA180
U30
AT93C66
U3
OSC/5x7/40MHz
reference:
RALINK TECHNOLOGY, CORP.
CB-RT2560-RT2525-RFIC-V32P-RA-040226.pdf
CB-RT2560-RT2525-RFIC-V32P-RA-2-pcb
A Joan 20/May/2004 October 20/May/2004 Alex 20/May/2004
Wireless LAN CardBus CARD WP233g SCHEMATIC
DRAWN Joan 20/May/2004
CHECKED October 20/May/2004
APPROVED Alex 20/May/2004
USED ON WP233g
DWG NO. 82011-82103 ES01
Size C Sheet 3 of 4
File Name: D:\PCB(試產)\WP233g(41713-82103)\PCB\41713-82103EL01-A.ddb - Documents\82011-82103ES01-A-3.SCH



reference:
RALINK TECHNOLOGY, CORP.
CB-RT2560-RT2525-RFIC-V32P-RA-040226.pdf

CB-RT2560-RT2525-RFIC-V32P-RA-2-pcb

REV	ISSUED	DATE	CHECKED	DATE	APPROVED	DATE
A	Joan	20/May/2004	October	20/May/2004	Alex	20/May/2004

DWG TITLE: Wireless LAN CardBus CARD WP233g SCHEMATIC

DRAWN Joan	DATE 20/May/2004	USED ON	WP233g
CHECKED October	DATE 20/May/2004	DWG NO.	82011-82103 ES01
APPROVED Alex	DATE 20/May/2004		

Size C | Sheet 4 of 4 | File Name: D:\PCB(試產)\WP233g(41713-82103)\PCB\41713-82103EL01-A.ddb - Documents\82011-82103ES01-A-4.SCH