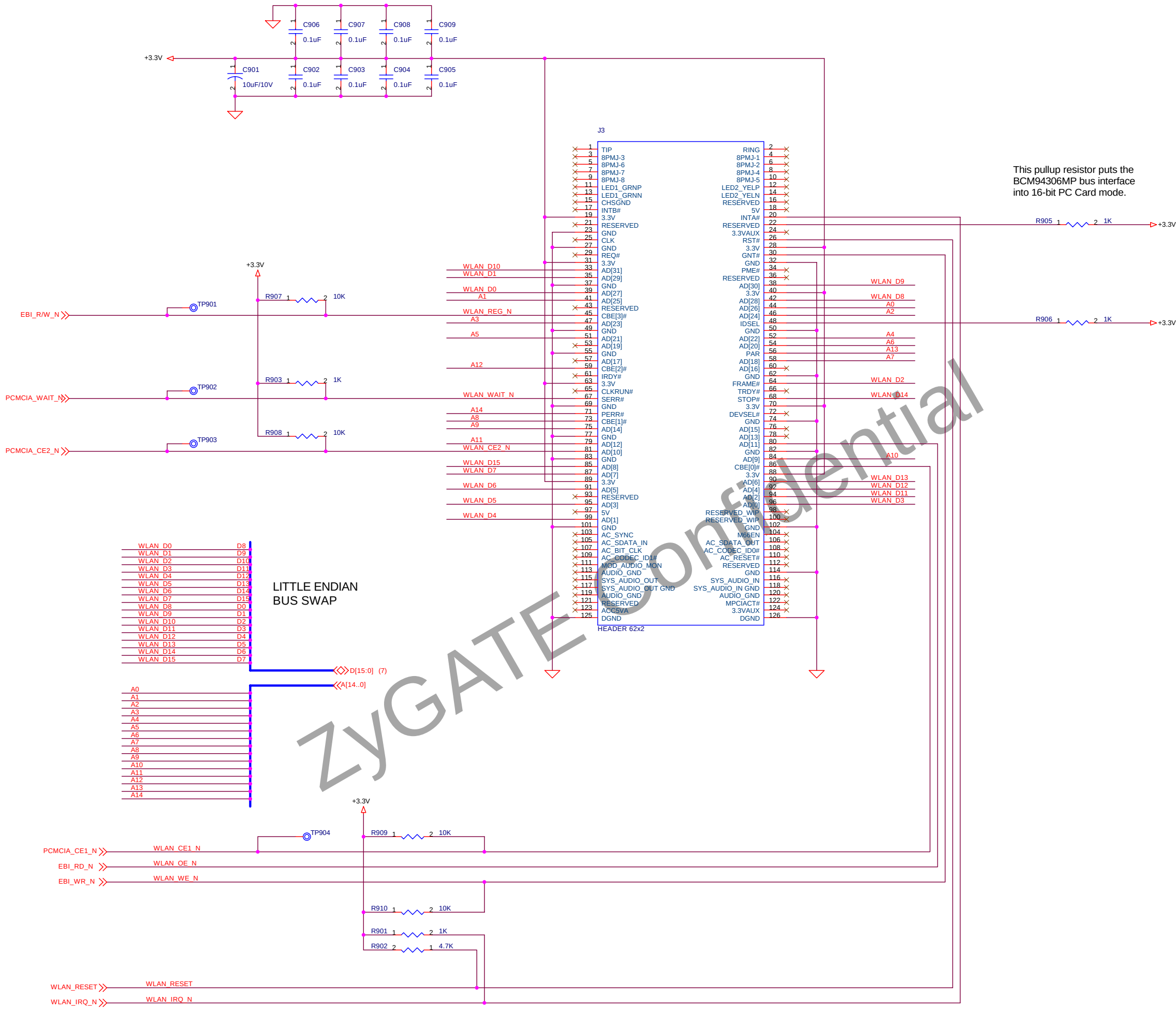
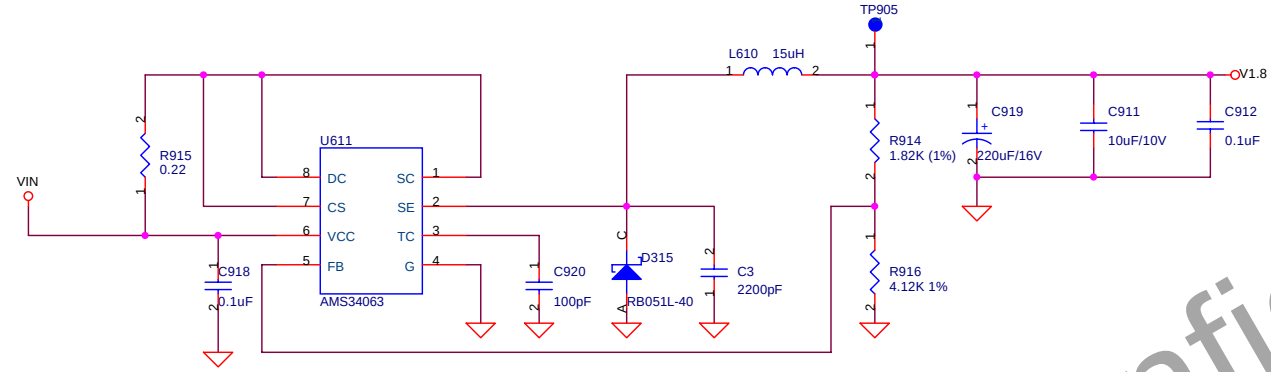
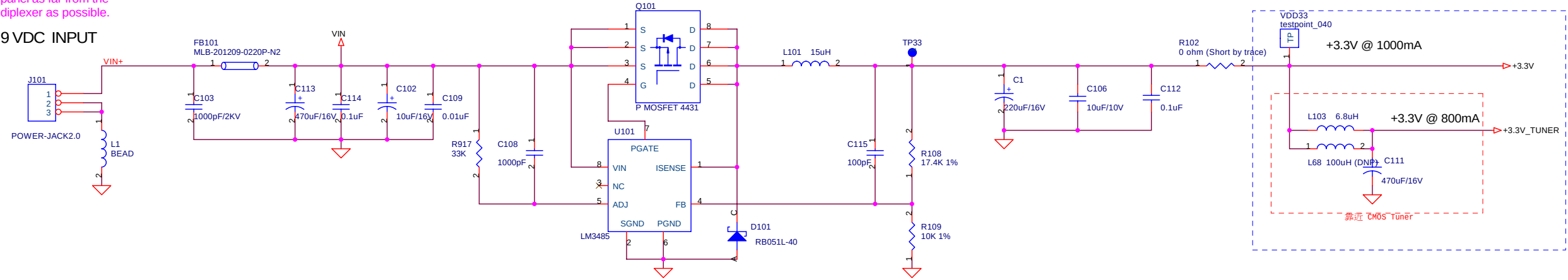




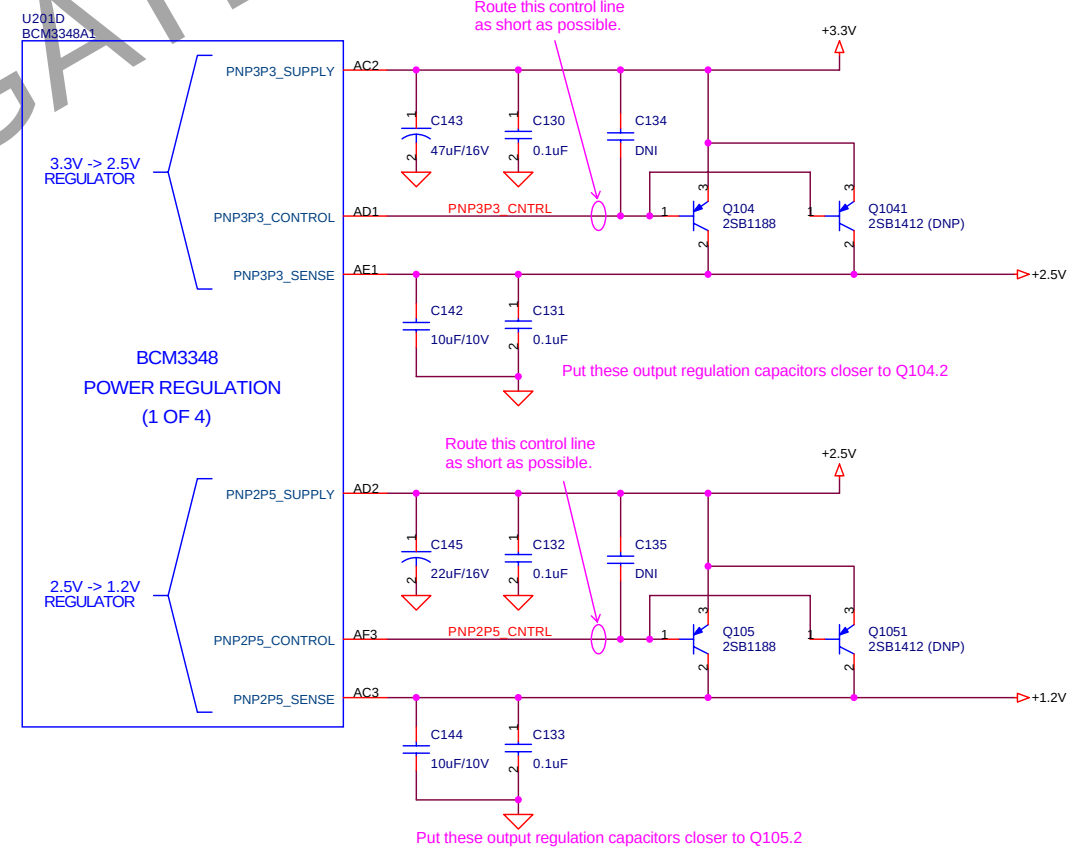
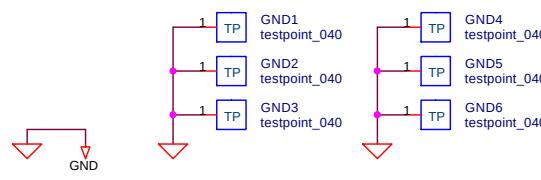
Locate power connector on rear panel as far from the diplexer as possible.

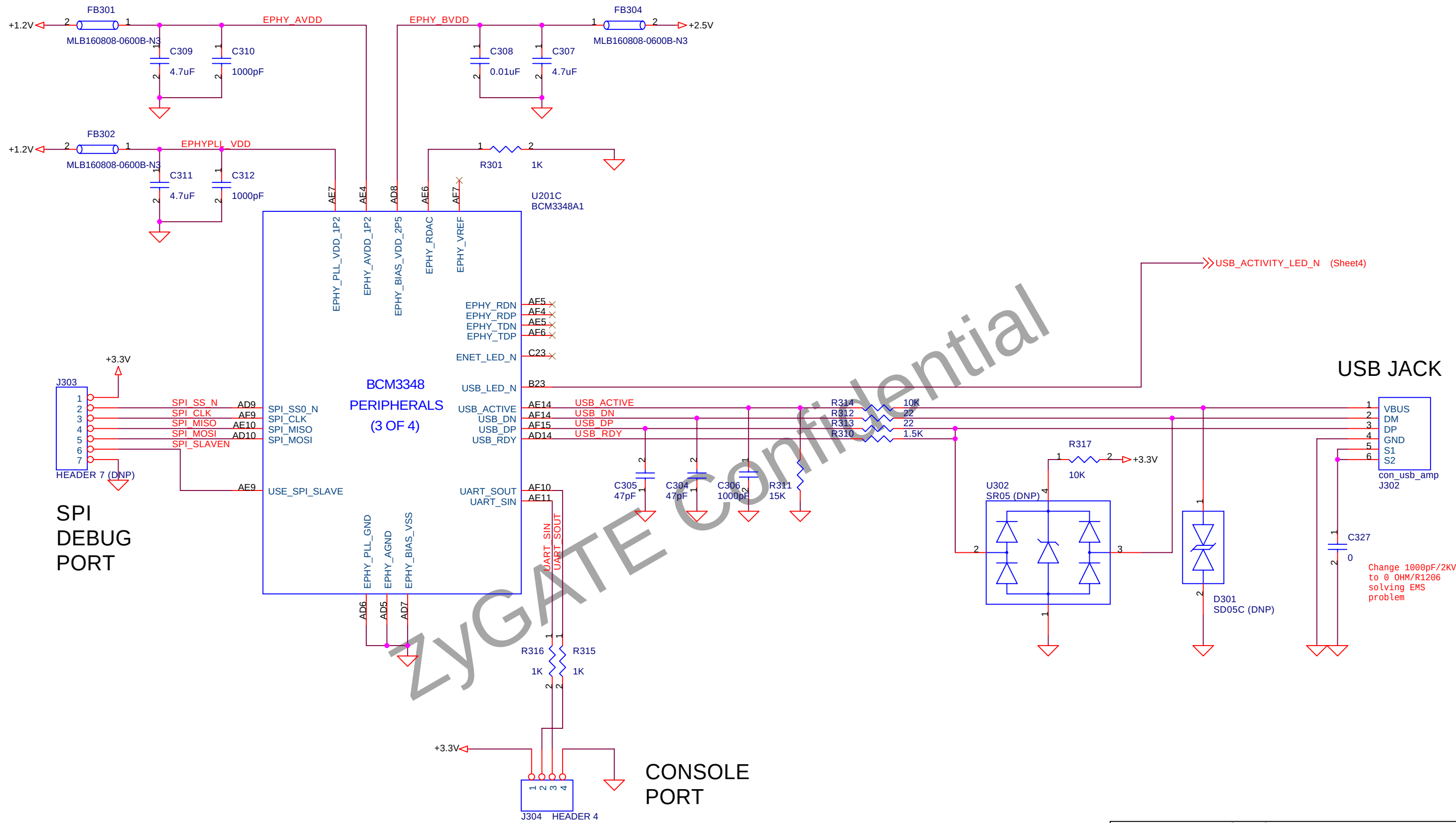
9 VDC INPUT



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Evenly Distribute GND test VIA's around the PCB. Label accordingly.





CABLE
LED

nCABLE_LED >>
(Sheet3)

DATA
LED
WLAN
LED

CABLE_ACTIVITY_LED_N >>
(Sheet6)

WLAN_LNK/ACT >>
(Sheet9)

USB_ACTIVITY_LED_N >>
(Sheet7)

D302
LED-GRN
D303
LED-GRN
D314
LED-GRN
D304
LED-GRN

RA19
330*4

+3.3V
VCC

USB
LED

100M
LAN4
10M

SPEED_3 >>
(Sheet8)

U606A
74LVC14

D306
LED_GY

YELLOW
GREEN

RA1
150*4

LNK/ACT_3 (Sheet8)
LNK/ACT_2 (Sheet8)
LNK/ACT_1 (Sheet8)
LNK/ACT_0 (Sheet8)

100M
LAN3
10M

SPEED_2 >>

U606B
74LVC14

D307
LED_GY

YELLOW
GREEN

100M
LAN2
10M

SPEED_1 >>
(Sheet8)

U606C
74LVC14

D308
LED_GY

YELLOW
GREEN

100M
LAN1
10M

SPEED_0 >>
(Sheet8)

U606D
74LVC14

D309
LED_GY

YELLOW
GREEN

RA2
150*4

SYS LED

nWARNING_LED >>
(Sheet3)

nSYS_LED >>
(Sheet8)
(Sheet3)

U606E
74LVC14

D310
LED_GY

YELLOW
GREEN

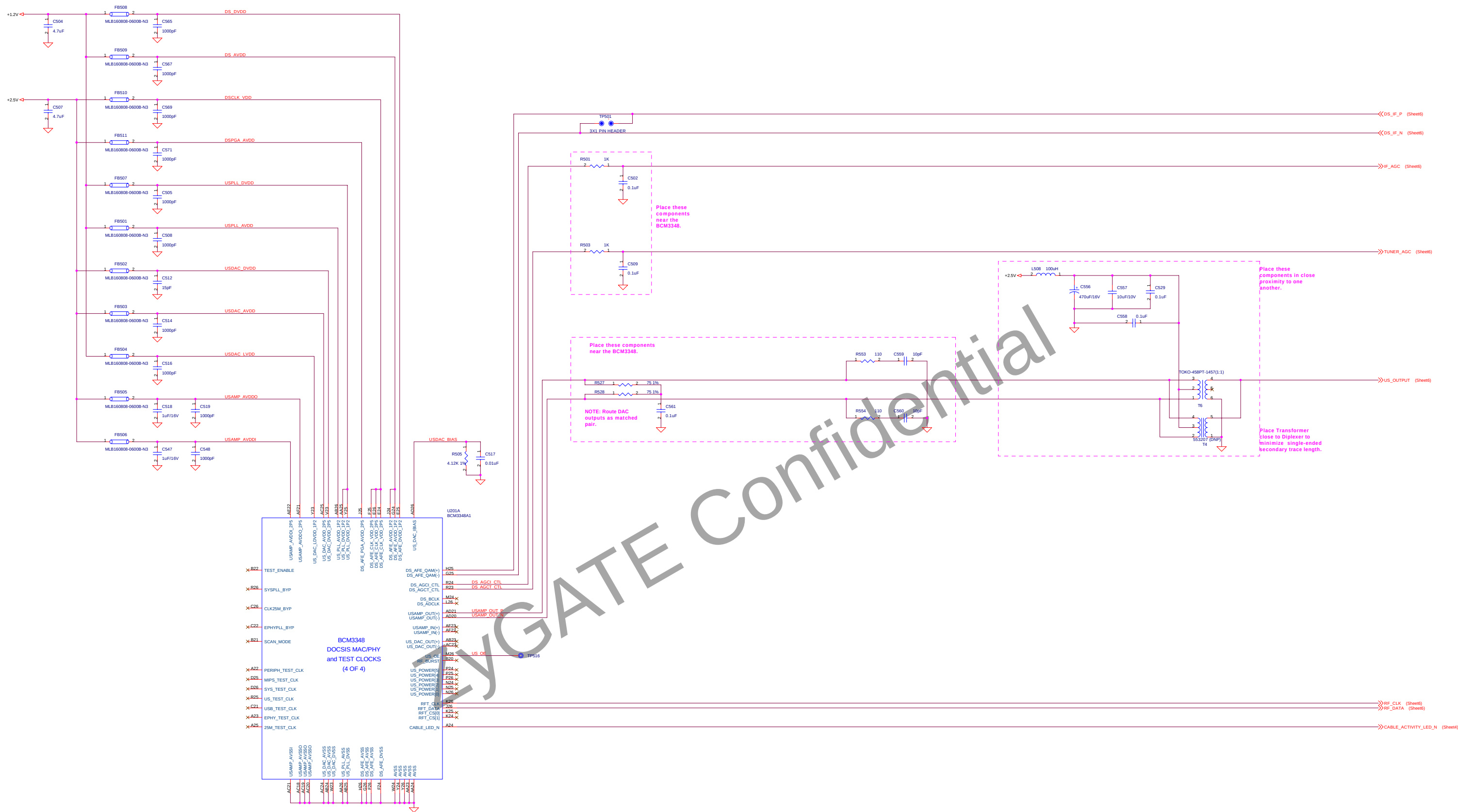
D311
LED-GRN

POWER LED

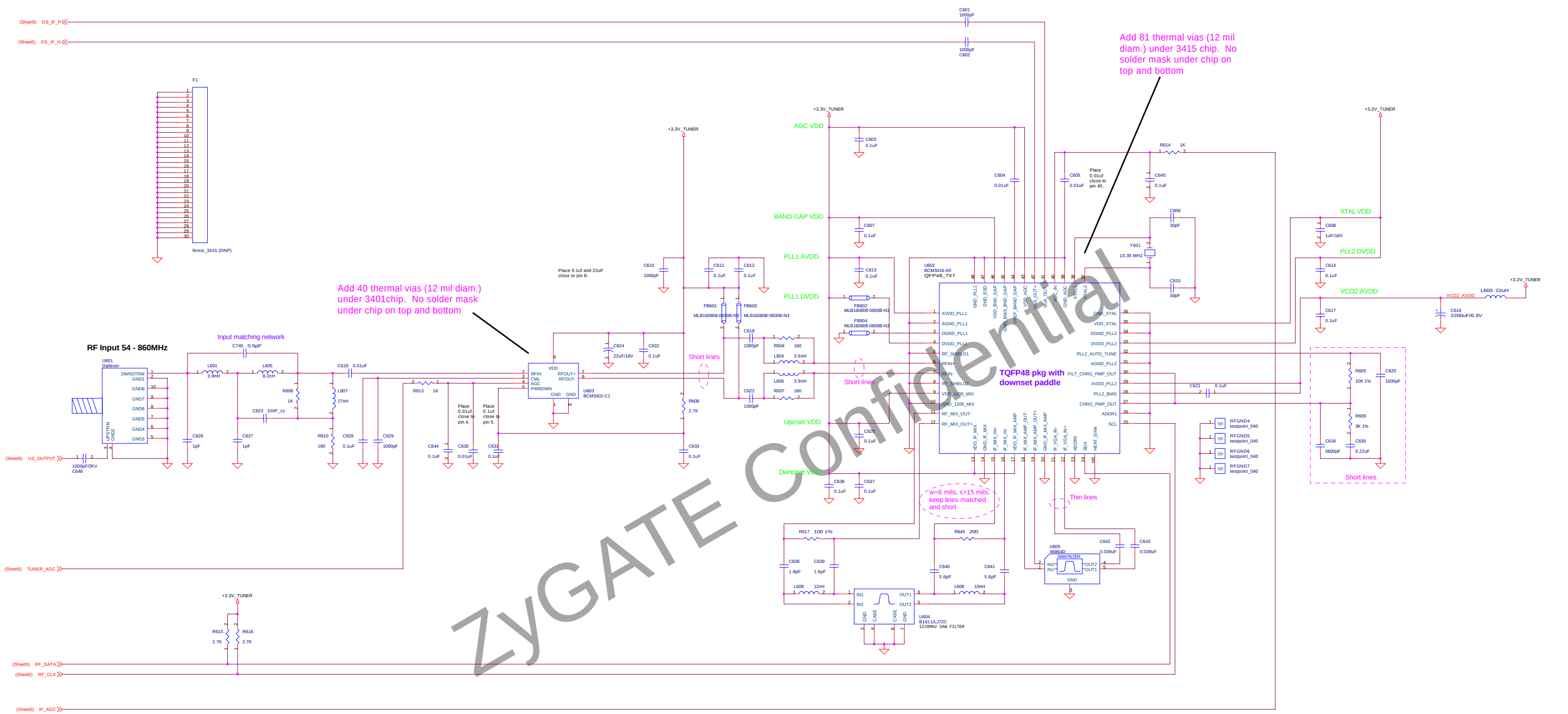
R653
330

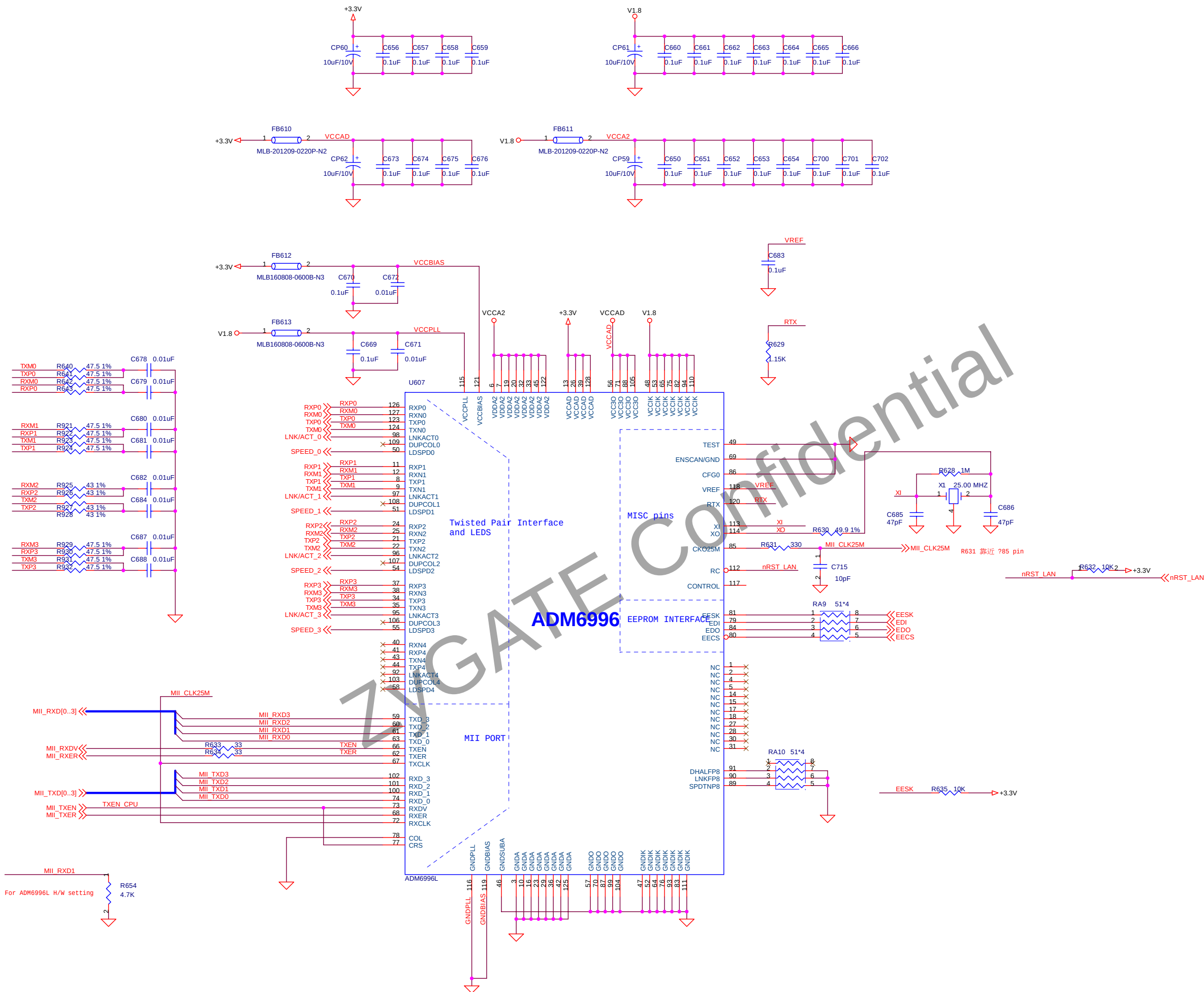
+3.3V

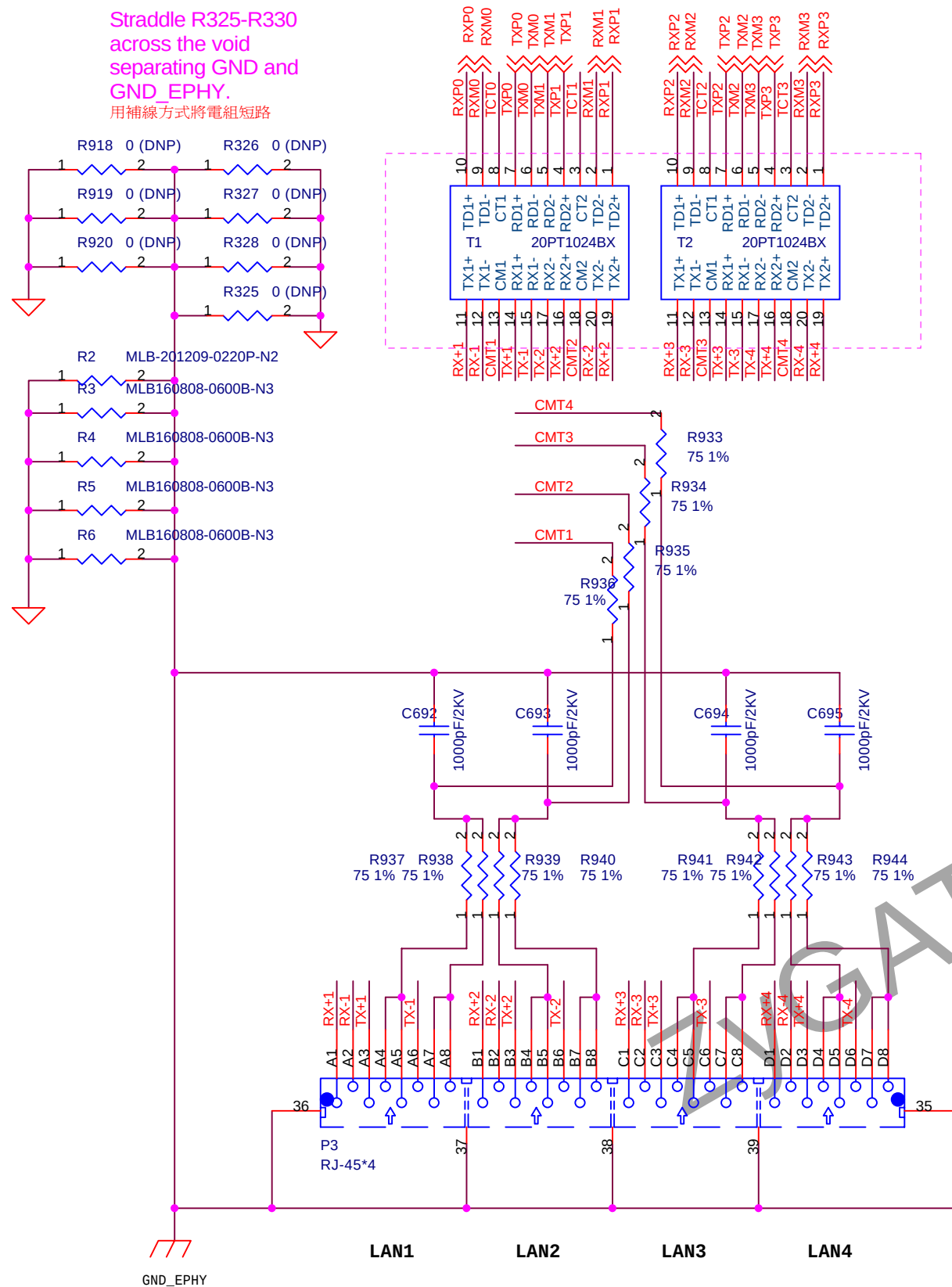
ZyGATE Communications, Inc.		
Title P964S Cable Sharing Gateway with USB, 4 port Switch and Wireless 802.11G AP		
Size B	Document Number LEDs	Rev 3.8
Date:	Wednesday, March 24, 2004	Sheet 7 of 12



THESE COMPONENTS ARE WITHIN THE BOARD STIFFENER OUTLINE





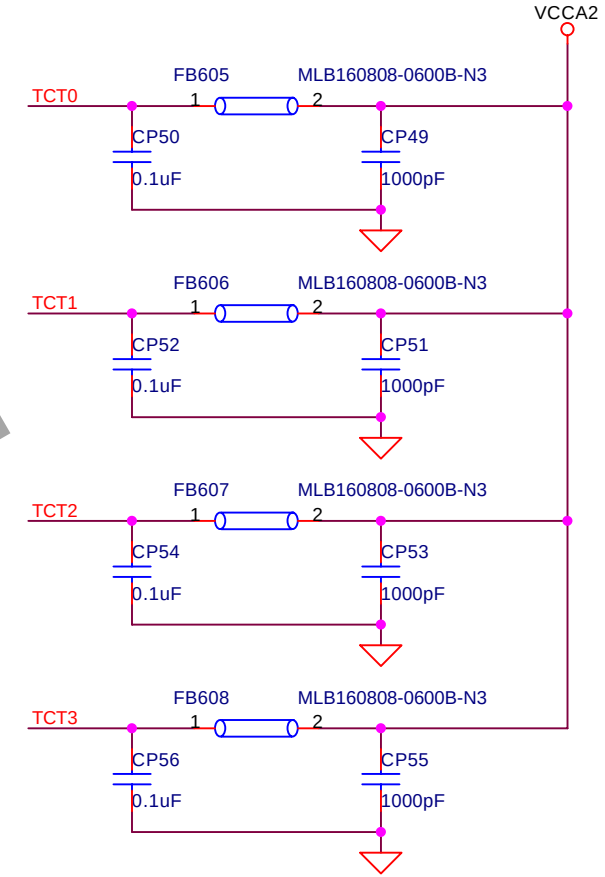


Straddle R325-R330
across the void
separating GND and
GND_EPHY.
用補線方式將電阻短路

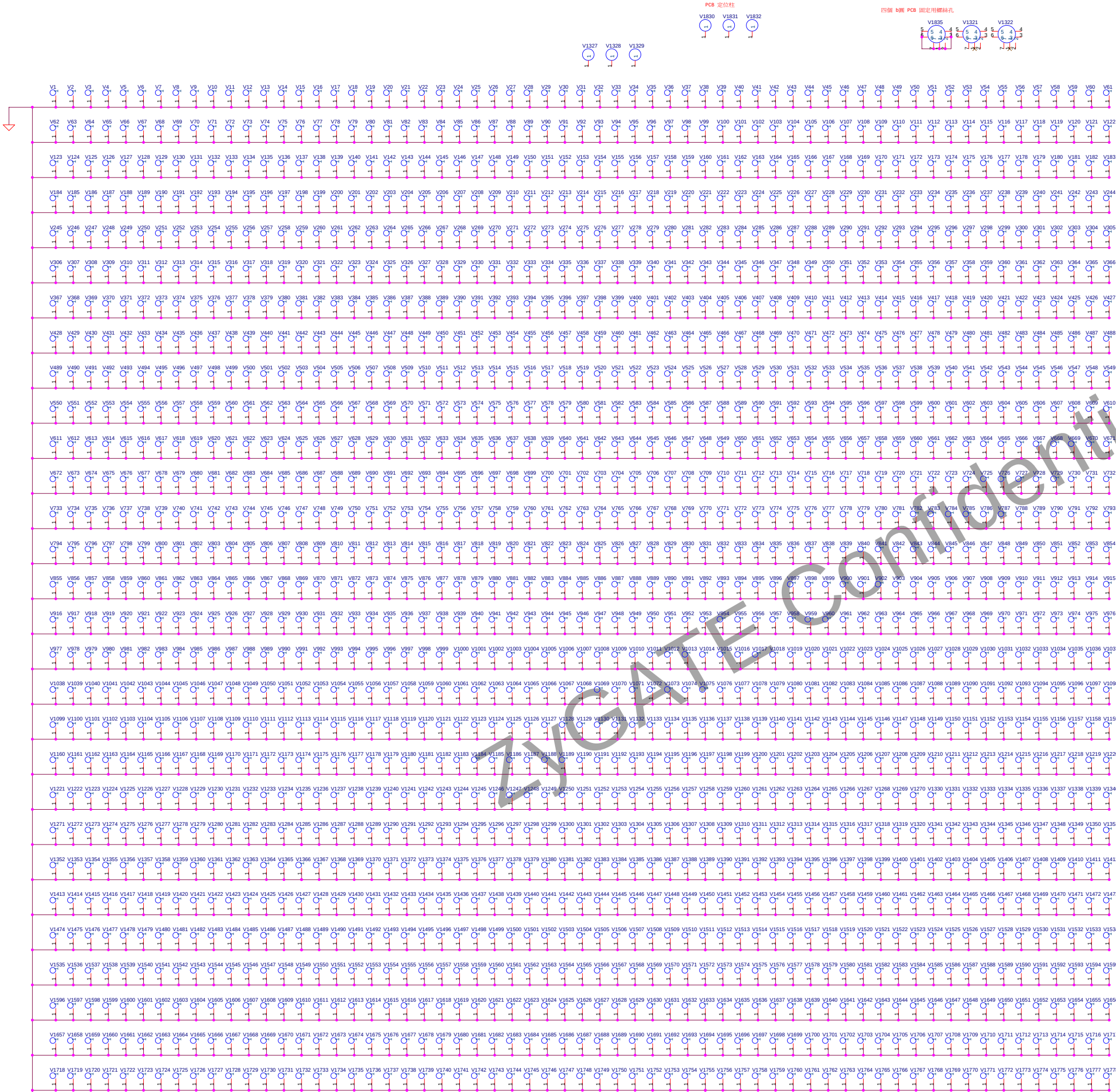
Route this area
void of PWR/GND
planes and signal
traces.

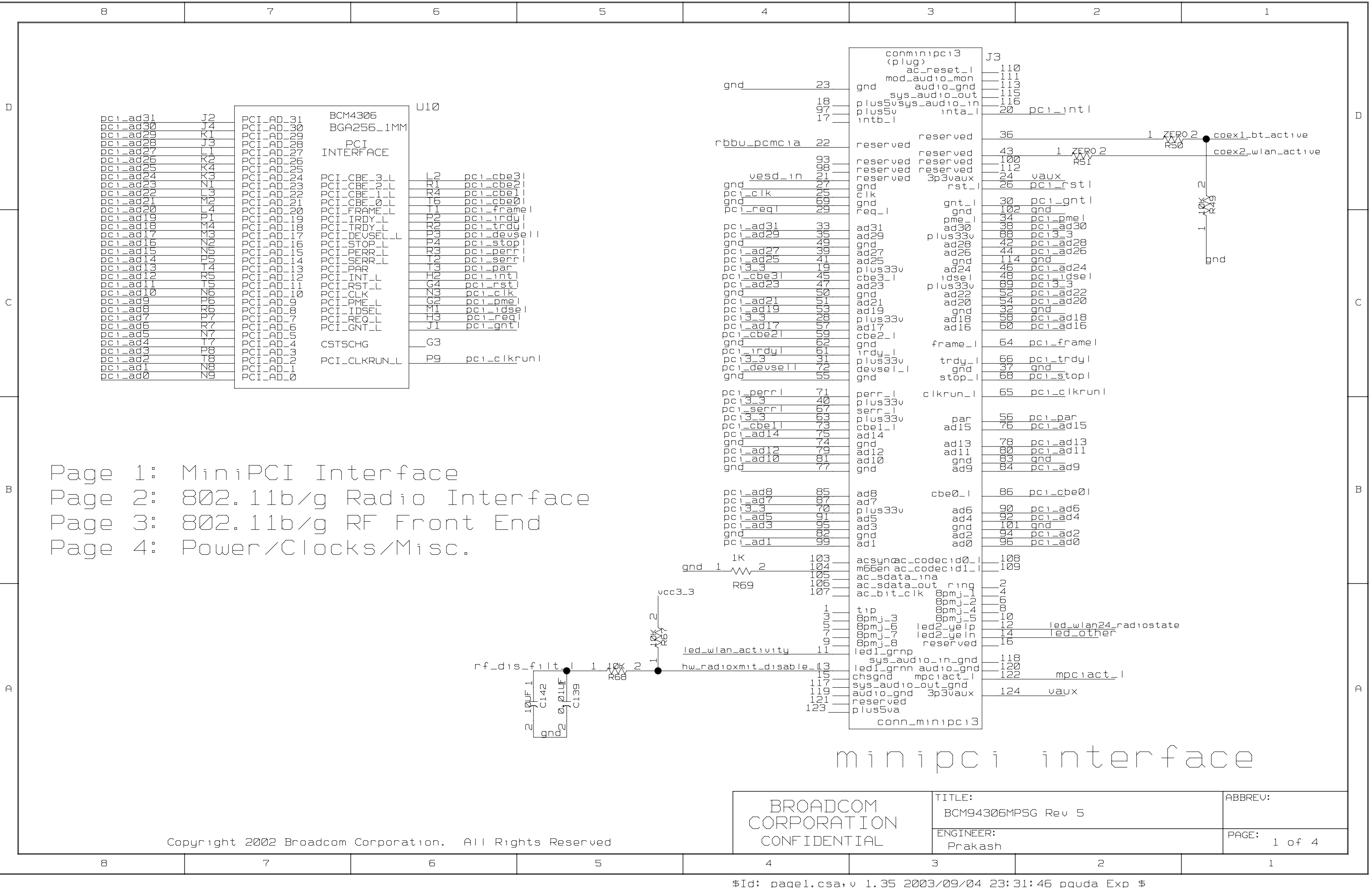
Route this area void of PWR planes and non-EPHY signal traces. Include a GND_EPHY island underneath these components. Connect it into the main GND plane through resistors R325-R330

ETHERNET JACK

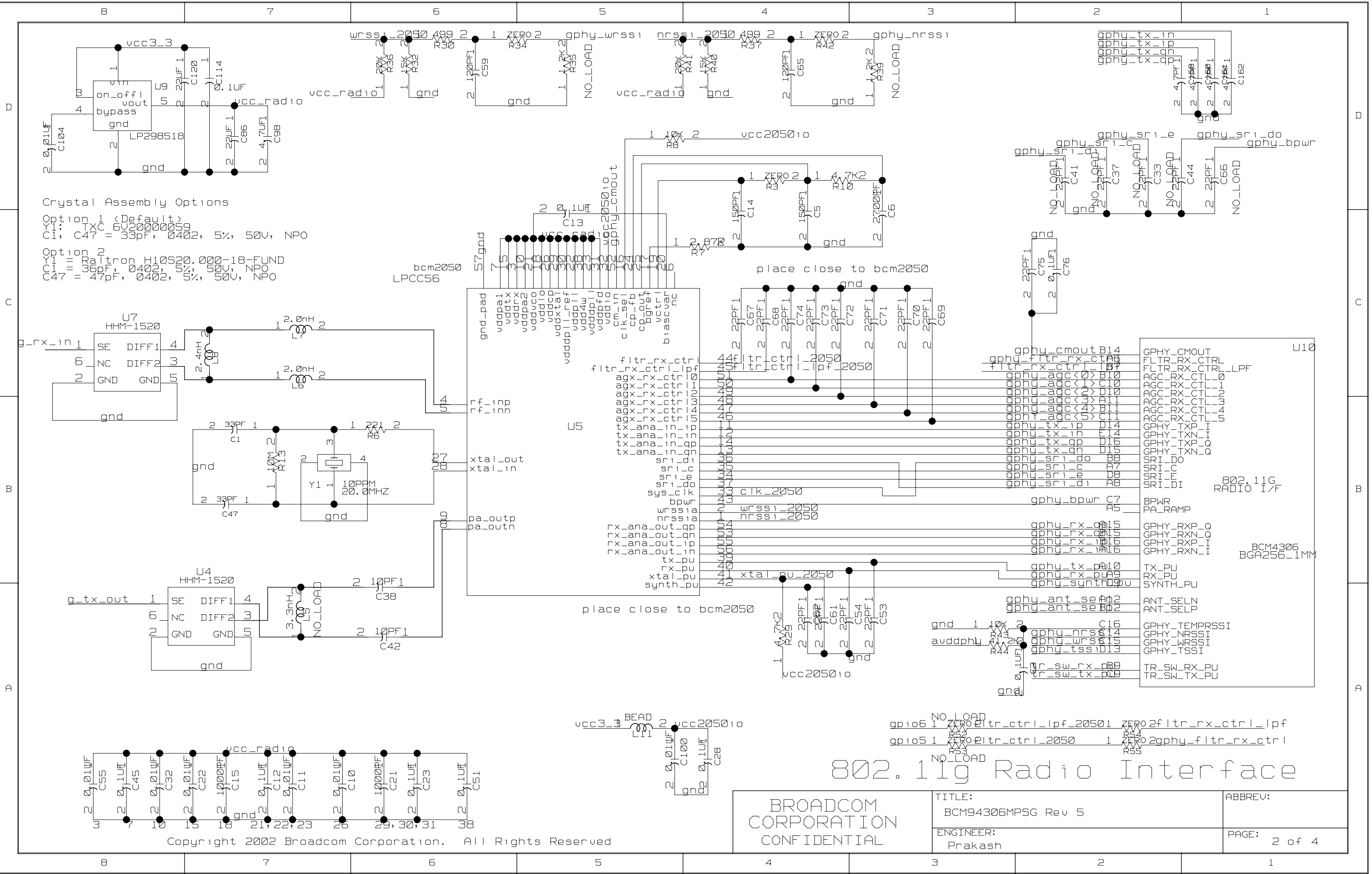


ZyGATE Communications, Inc.		
Title P964S Cable Sharing Gateway with USB, 4 port Switch and Wireless 802.11G AP		
Size B	Document Number LAN Transformer & Connector	Rev 3.8
Date:	Wednesday, April 14, 2004	Sheet 11 of 12





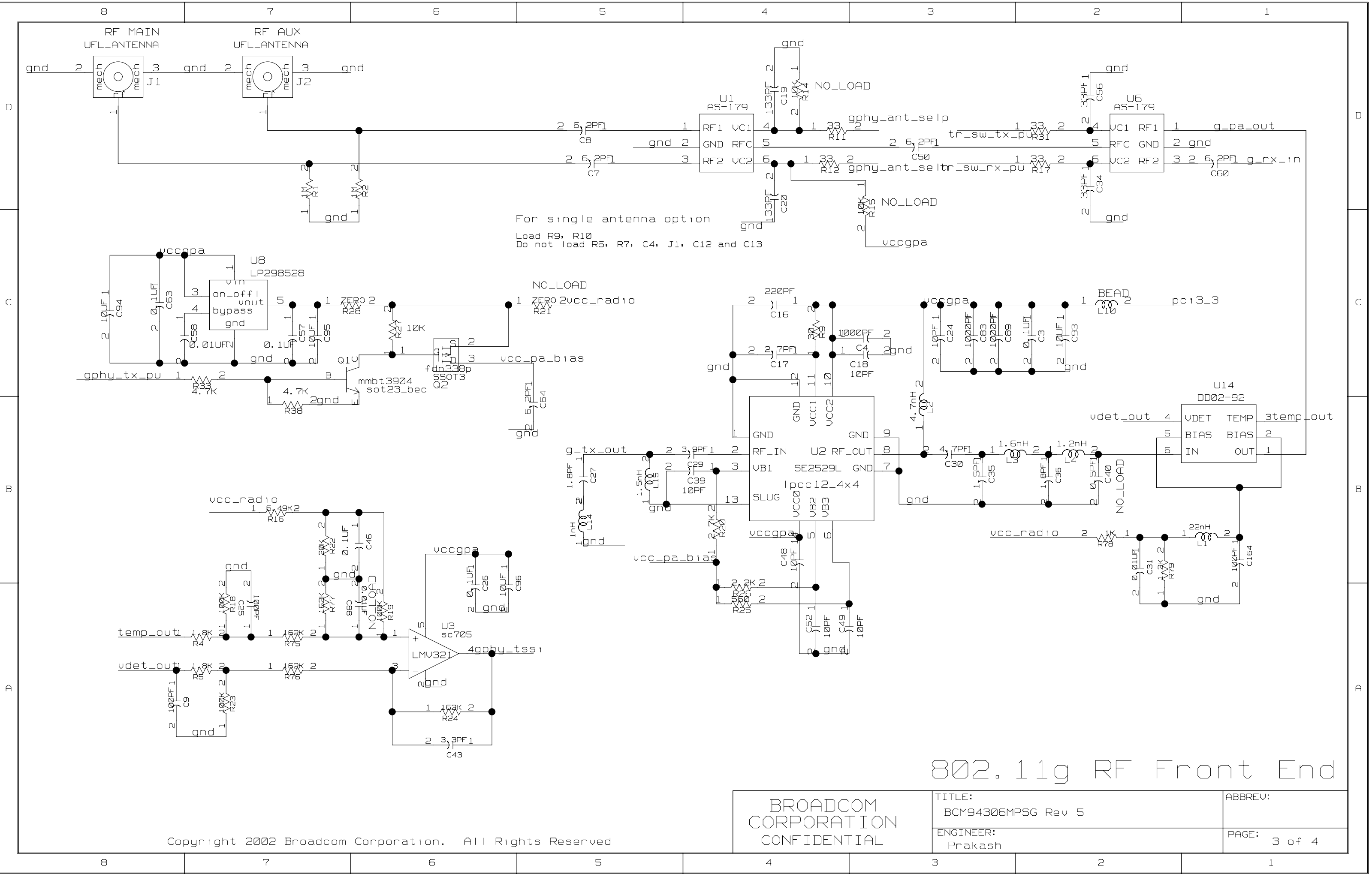
Page 1: MiniPCI Interface
Page 2: 802.11b/g Radio Interface
Page 3: 802.11b/g RF Front End
Page 4: Power/Clocks/Misc.



BROADCOM
CORPORATION
CONFIDENTIAL

TITLE:
BCM94306MP5G Rev 5
ENGINEER:
Prakash

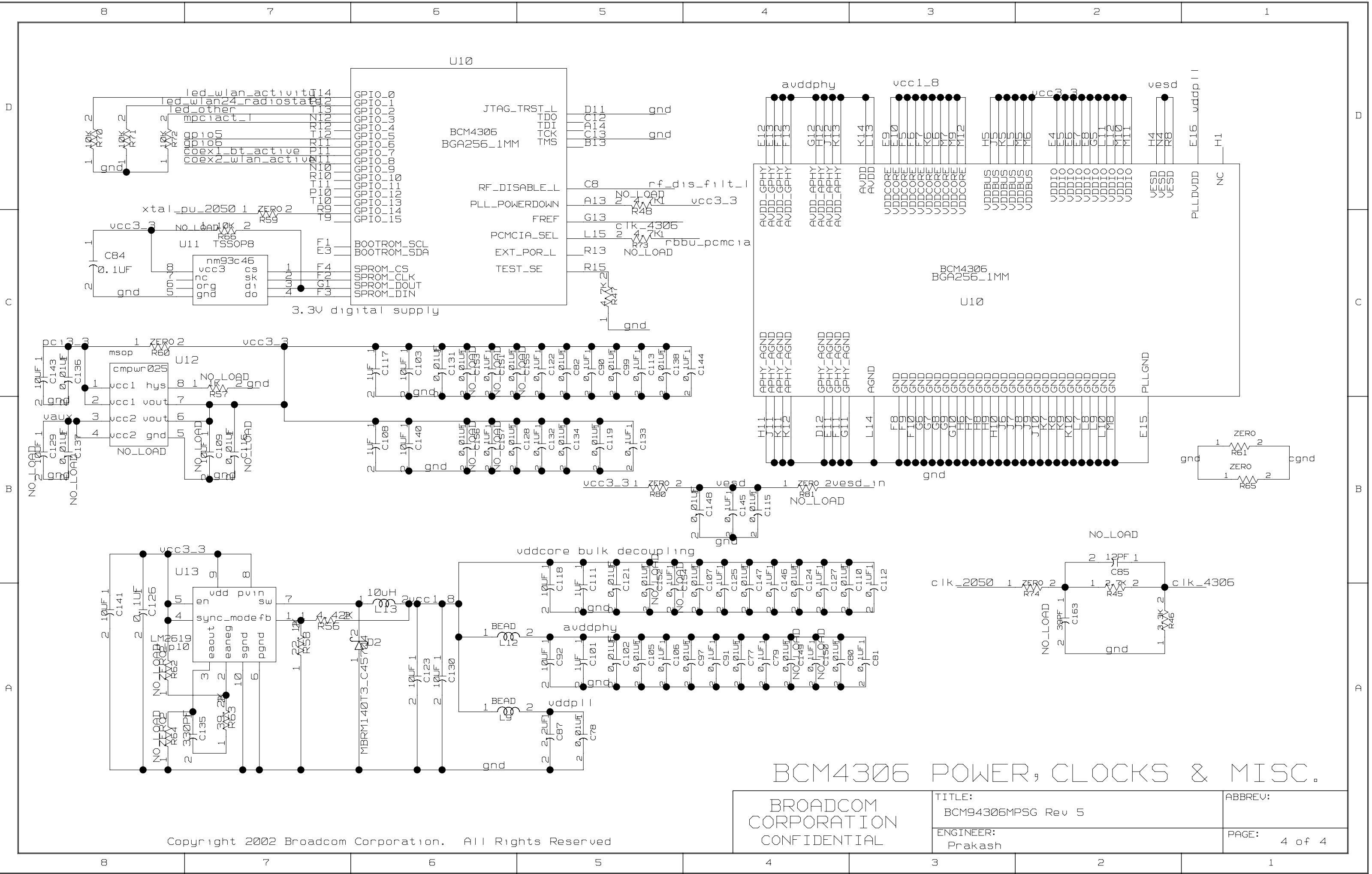
ABBREV:
PAGE:
2 of 4



For single antenna option
Load R9, R10
Do not load R6, R7, C4, J1, C12 and C13

802.11g RF Front End

BROADCOM CORPORATION CONFIDENTIAL	TITLE: BCM94306MPSPG Rev 5	ABBREV:
	ENGINEER: Prakash	PAGE: 3 of 4



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TITLE:
BCM94306MP5G Rev 5
ENGINEER:
Prakash

ABBREV:
PAGE:
4 of 4