

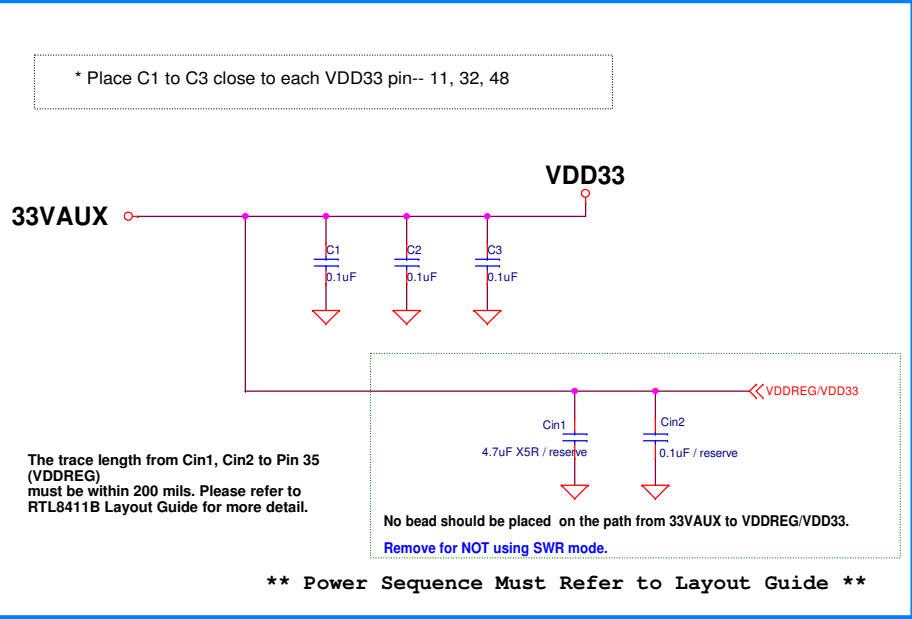
RTL8411B 48 Pin Reference Schematic V103

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Realtek Semiconductor Corp.		
No.2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan		
Title		
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A4	RTL8411B_48P_REFERENCE_SCHEMATIC_V103.DSN	103
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3.3V Power



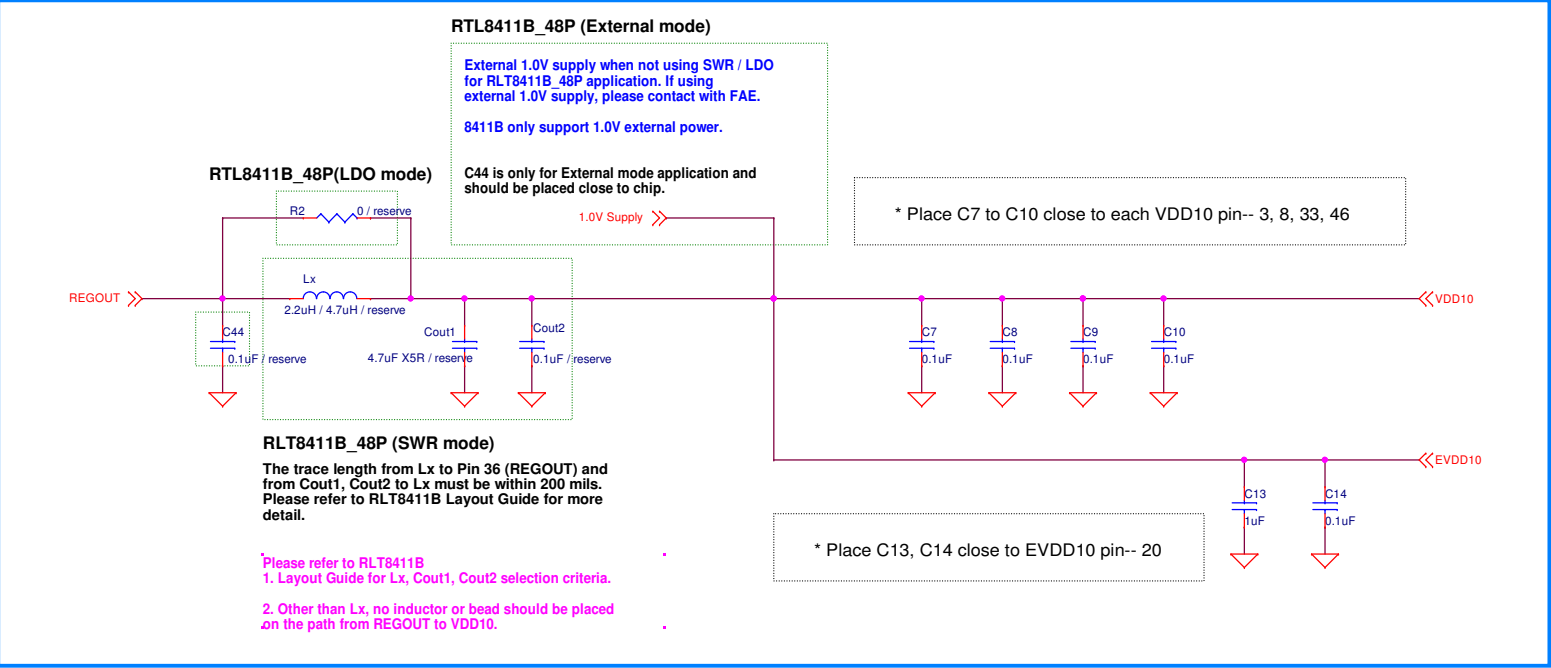
Power-Supply Configuration Table

	mode	Cin1,2	R2	Lx	Cout1,2	R30	R33	C44	
	SWR	O	X	O	O	O	X	X	
	LDO	X	O	X	X	X	O	X	
	External	X	X	X	X	X	O	O	

**** If only one 1.0V supply source is selected. You may do the following option to save RBOM ****

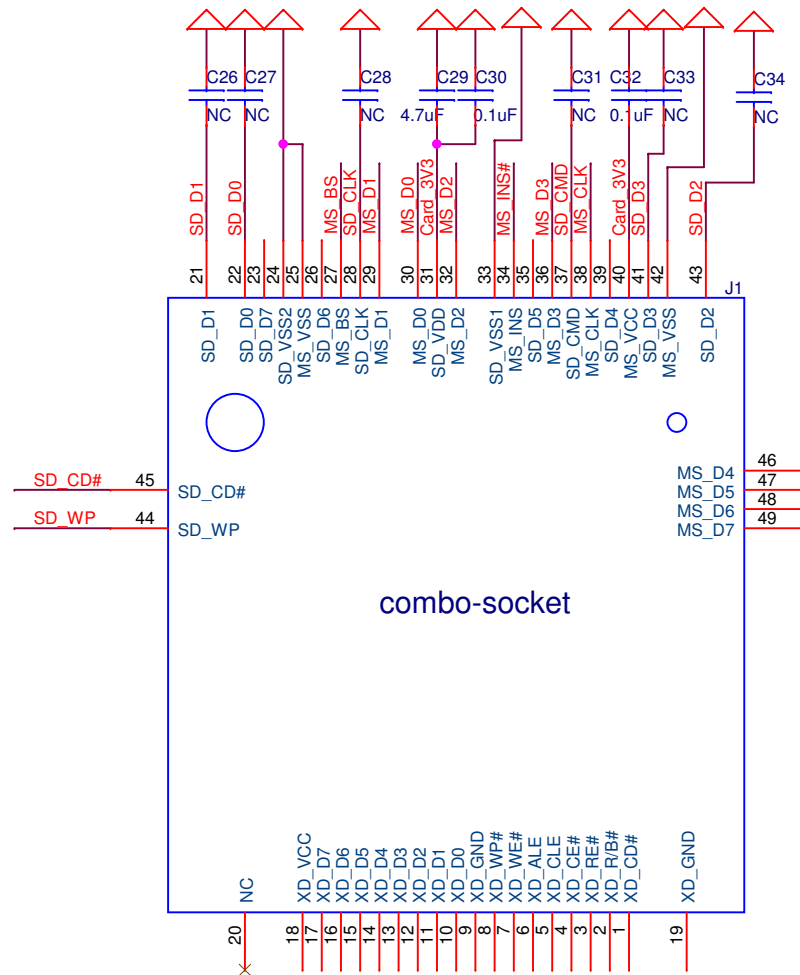
- 1. SWR mode only
=> R30 short
- 2. LDO mode only
=> R2, R33 short
- 3. External Supply only
(1) R33 => short

1.0V Power

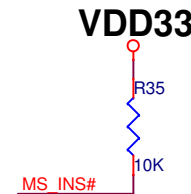


Card Reader

Flash Card Socket for reference

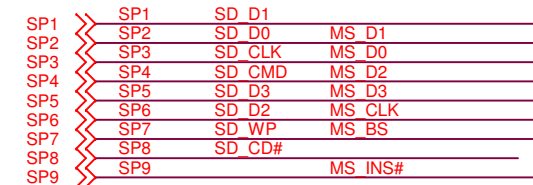


MS Detection

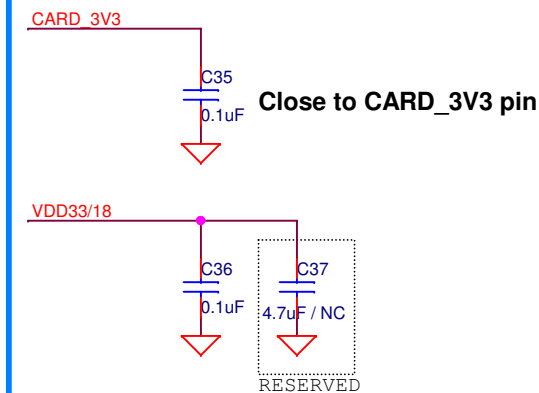


The pull-high resistor R35 is needed only when support RTD3cold

Share Pin

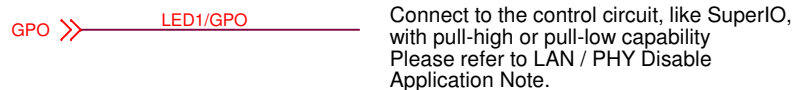


Power

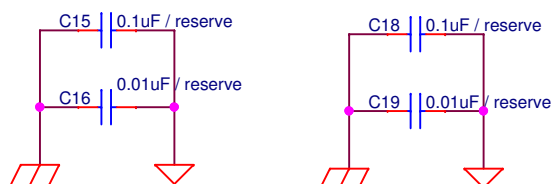


* Place C36, C37 close to VDD33/18 pin-- 27

Reserved for LAN / PHY Disable Function

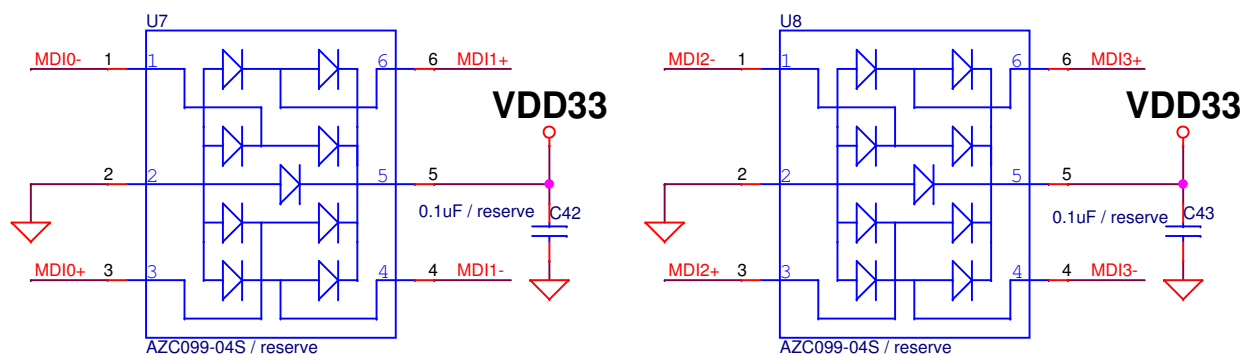


Reserved for Noise Isolation



C15, C16, C18, C19 Reserved for Noise Isolation between Chassis GND and System GND (optional)

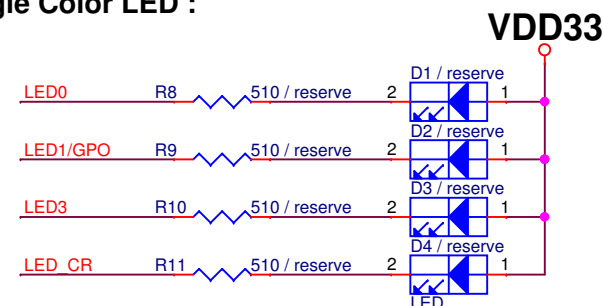
Reserved for TVS Component



U7, U8 and C42, C43 are reserved for Surge and Cable ESD (optional)

Optional LED Configuration

Single Color LED :



R8, R9, R10, R11 and D1, D2, D3, D4 Reserved for only Single Color LED Configuration (optional)

Reserved for External Clock Source



XTAL2 is the external clock input pin.
*Only 25Mhz external clock is supported
XTAL1 must be floating when using oscillator or external clock.

Change Notes

Initial Version

- 1. Modify from RTL8411_8111_REFERENCE_V103

Change Notice from V100 to V101

- 1. Add the comment for ISOLATEB (Page 3)
- 2. Modify Test Point circuit (Page 3)

Change Notice from V101 to V102

- 1. Modify system state S3~S5 for ISOLATEB (Page 3)
- 2. Add MS detection circuit for support RTD3cold (Page 4)

Change Notice from V102 to V103

- 1. Add notes for 3.3V & switching regulator circuits. (page 2)

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