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D C B A

Product Name: W900U

Trade Name: Tenda

TENDA		
Title	W900U	
Size A4	Document Number Cover Page	Rev V0.11
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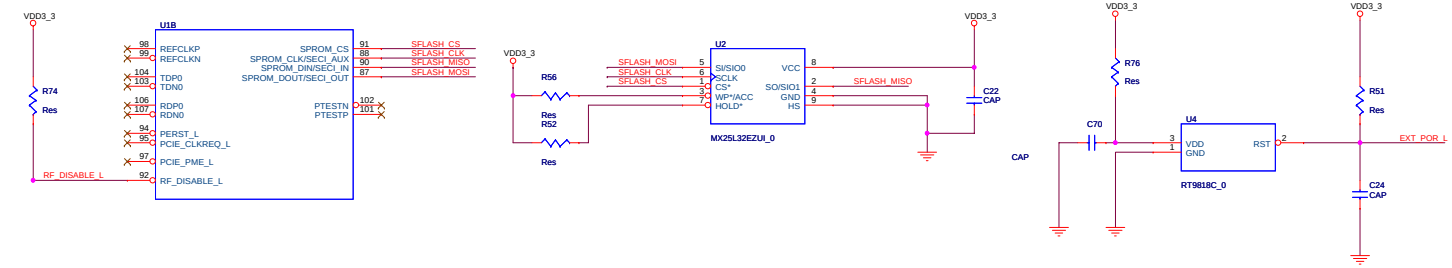

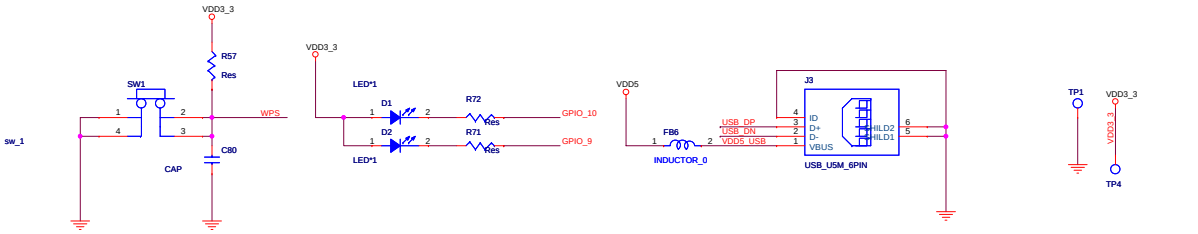

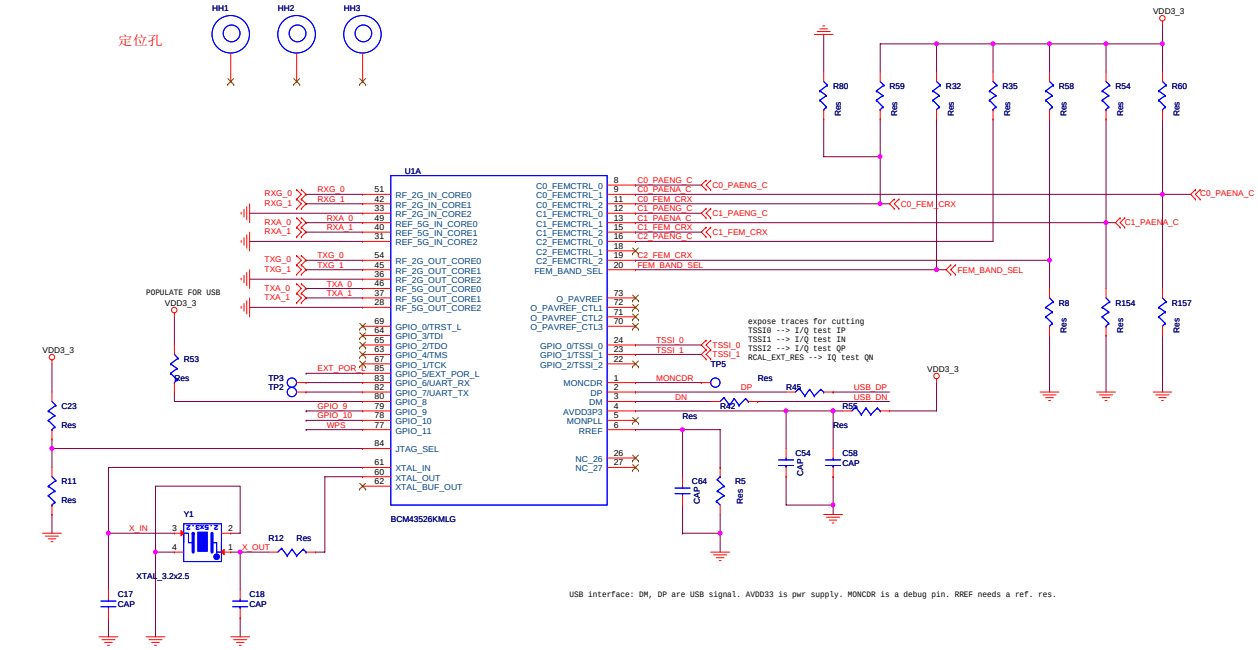

USB interface: DM, DP are USB signal. AVDD33 is pwr supply. MONCDR is a debug pin. RREF needs a ref. res.

Pin	chip default	board default	description
C0_FEMCTRL_1	1	1	0: 20MHz XTAL selected 1: 40MHz XTAL selected
C1_FEMCTRL_0, C0_FEMCTRL_2	0,1	0,1	0,1: 4k SROM size 1,0: 16k SROM size
C1_FEMCTRL_1	1	1	0: Boot from SRAM 1: Boot from ROM
C2_FEMCTRL_0	0	1	0: don't query OTP 1: query OTP
C2_FEMCTRL_2	1	0	0: SROM not present (ATMEL if SFLASH is present) 1: SROM present (ST if SFLASH is present)
BANDSEL	0	0	0: SFLASH not present 1: SFLASH present
gpio[7,6]	1,1	1,1	PCIe: see Twiki
gpio8	0	1	1: USB 2.0 enable, PCIe disable (only in 12x12 package) 0: USB 2.0 disable, PCIe enable (only in 12x12 package)

For B0, R8 need to depopulate for HT availabe

R80 need to populate for sflash not present

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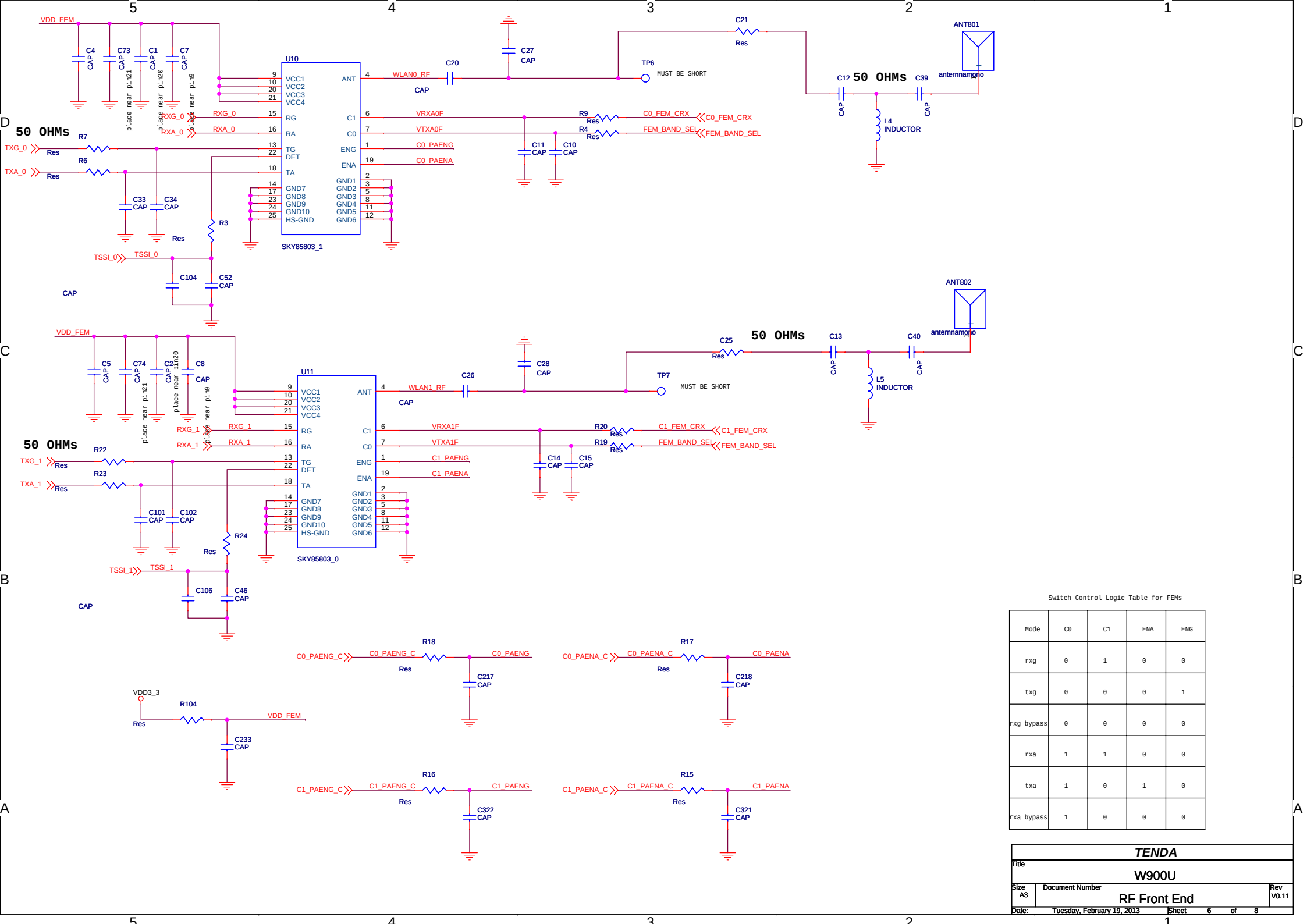

Switch Control Logic Table for FEMs

Mode	C0	C1	ENA	ENG
rxg	0	1	0	0
txg	0	0	0	1
rxg bypass	0	0	0	0
rxa	1	1	0	0
txa	1	0	1	0
rxa bypass	1	0	0	0

TENDA		
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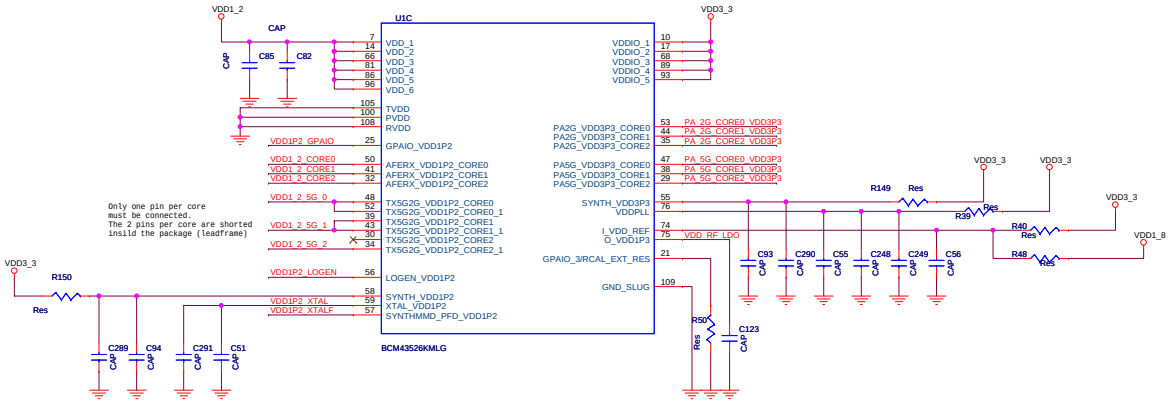
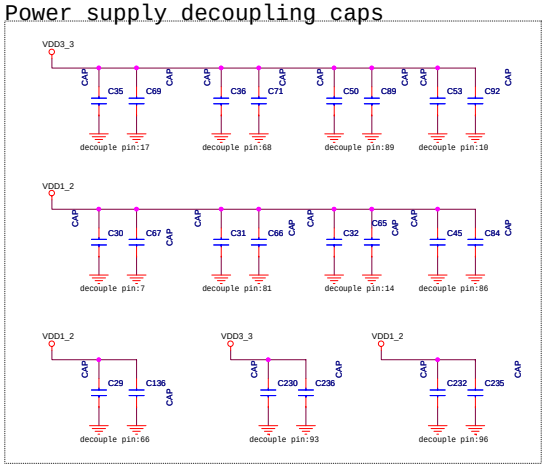
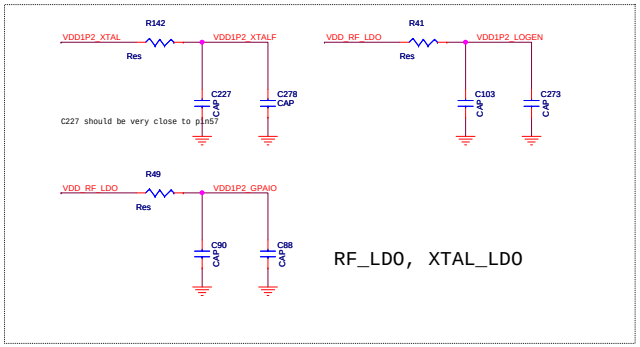
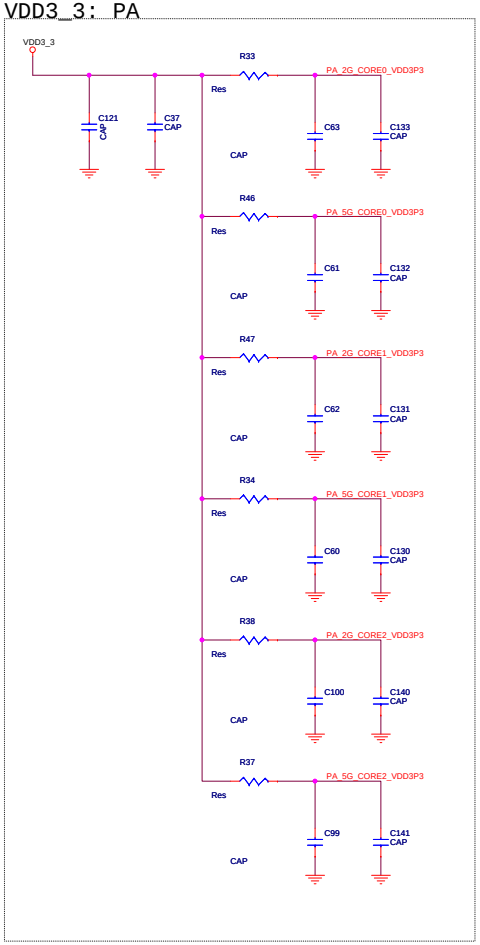


Power supply decoupling caps

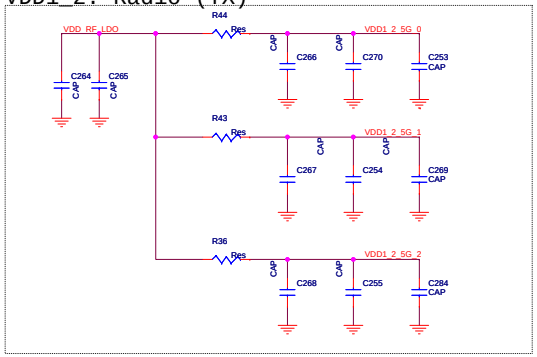




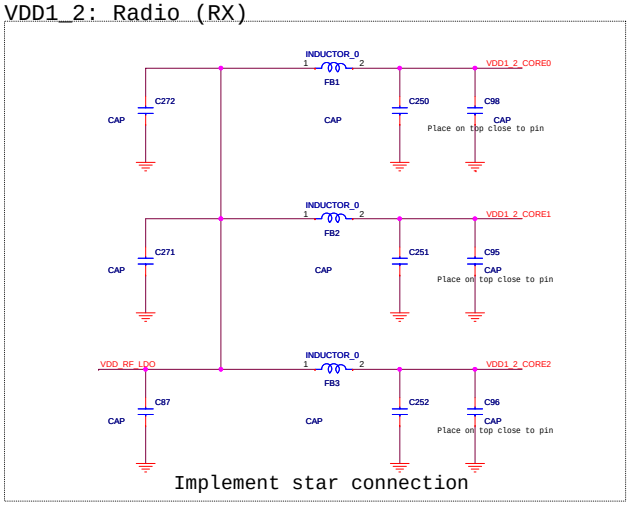
VDD3_3: PA



VDD1_2: Radio (TX)



VDD1_2: Radio (RX)



TENDA			
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Size A2	Document Number Power Module		Rev V0.11
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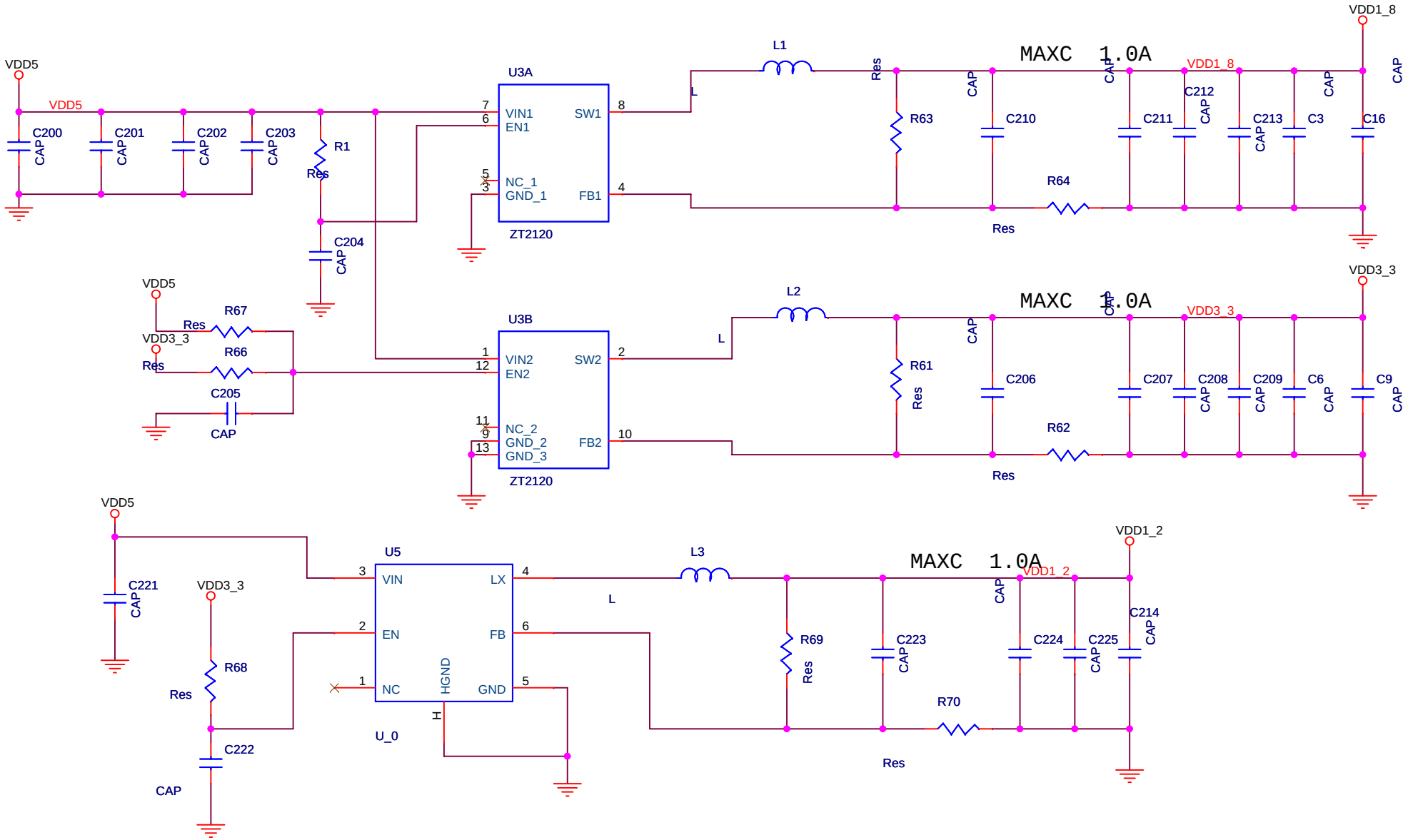

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