

[illegible]

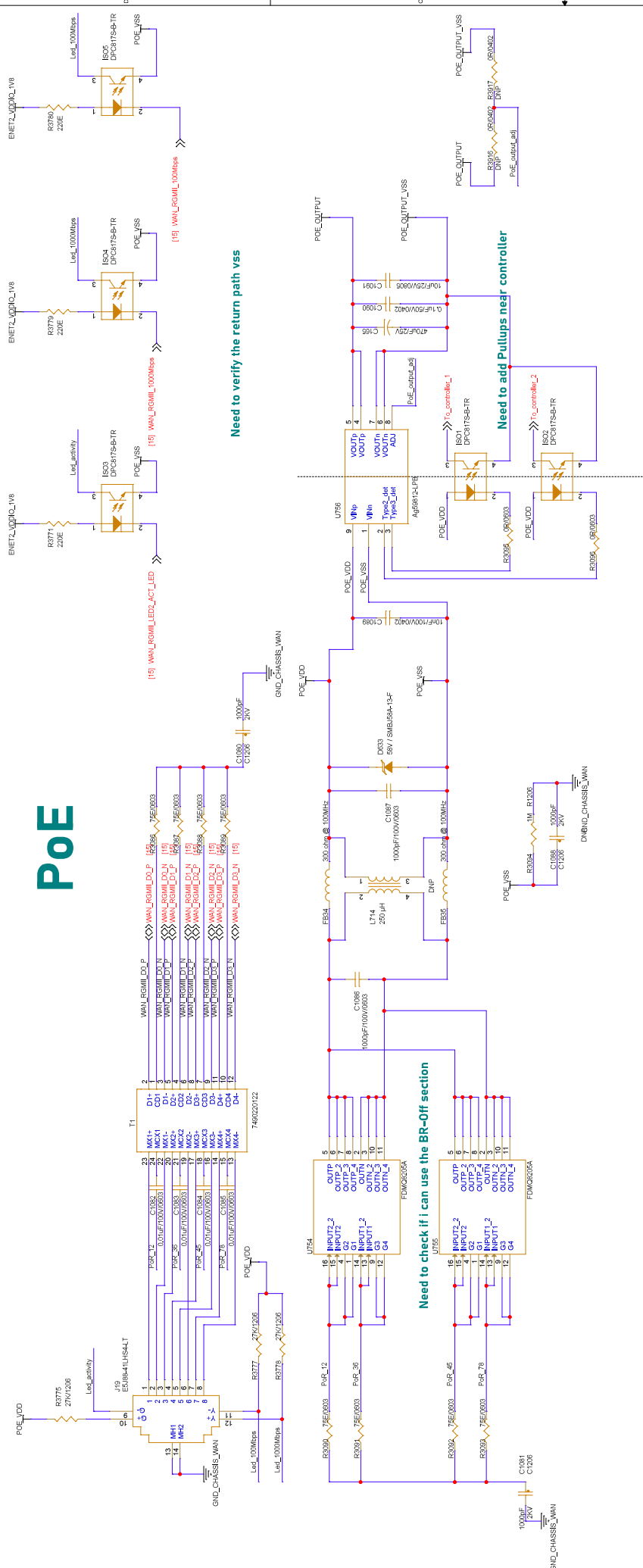
Ref: TIDA-050047

The image shows a detailed PCB layout for the BQ25768RQ2M. The layout includes various components and their connections, organized into several functional blocks:

- Power Input Section:** Features a 100nF/50V/0402 capacitor (C1073) connected to a 30-pin connector (FB33) and a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073).
- Power Regulation Section:** Includes a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073), a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073), and a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073).
- Power Output Section:** Includes a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073), a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073), and a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073).
- Control and Status Section:** Includes a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073), a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073), and a 100nF/50V/0402 capacitor (C1073) connected to a 100nF/50V/0402 capacitor (C1073).
- Power MOSFETs:** Includes two MOSFETs (Q24 and Q26) connected to a 100nF/50V/0402 capacitor (C1073) and a 100nF/50V/0402 capacitor (C1073).
- Power Diodes:** Includes two diodes (D11 and D13) connected to a 100nF/50V/0402 capacitor (C1073) and a 100nF/50V/0402 capacitor (C1073).
- Power Inductors:** Includes two inductors (L1 and L2) connected to a 100nF/50V/0402 capacitor (C1073) and a 100nF/50V/0402 capacitor (C1073).
- Power Resistors:** Includes two resistors (R133 and R134) connected to a 100nF/50V/0402 capacitor (C1073) and a 100nF/50V/0402 capacitor (C1073).
- Power Capacitors:** Includes two capacitors (C1095 and C1096) connected to a 100nF/50V/0402 capacitor (C1073) and a 100nF/50V/0402 capacitor (C1073).
- Power Connectors:** Includes two connectors (U753 and U754) connected to a 100nF/50V/0402 capacitor (C1073) and a 100nF/50V/0402 capacitor (C1073).



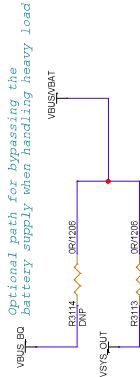
W
O
R



Need to check if i can use the BR-Off section

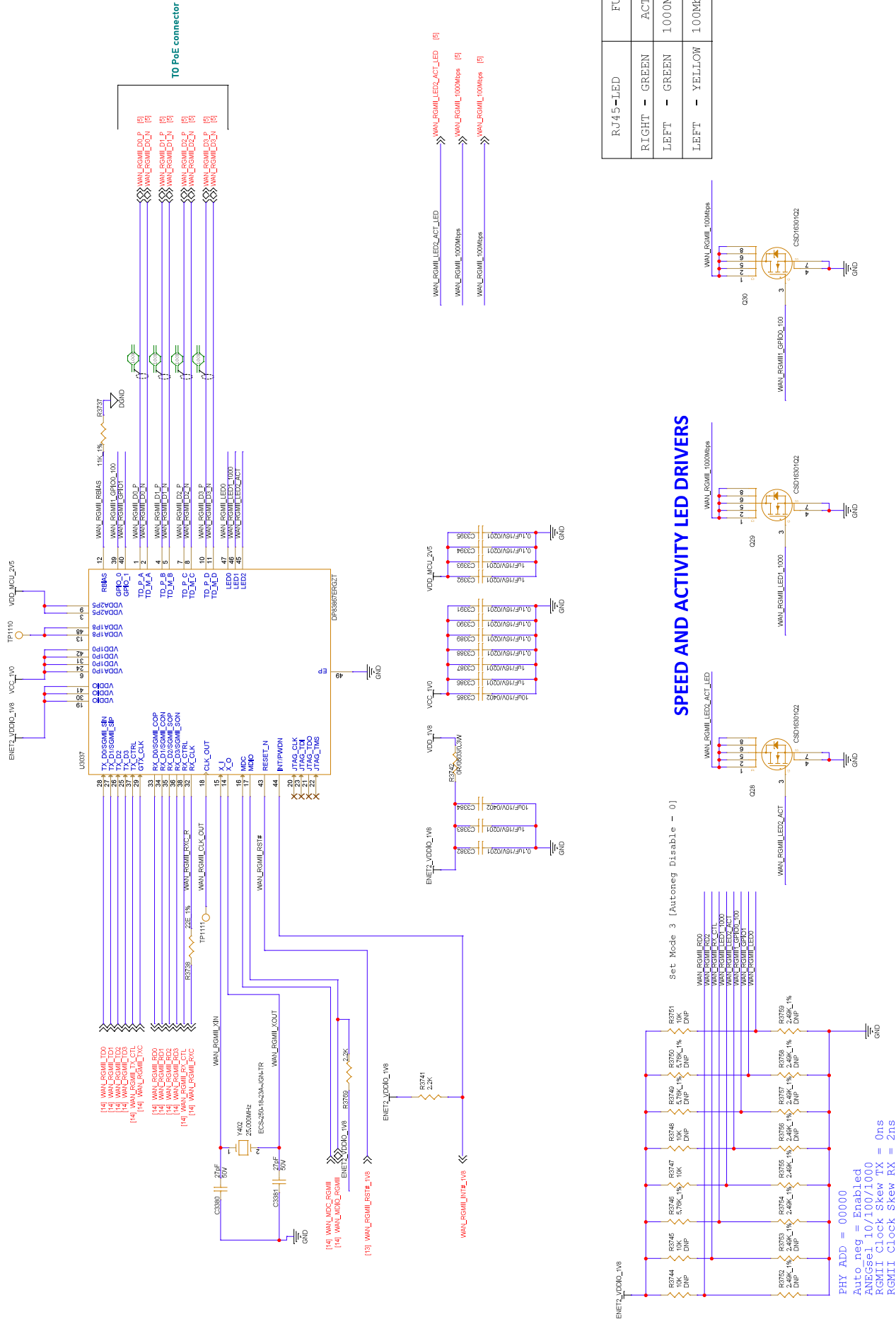
Need to add Pullups near controller

Detected pSE Type	Type-2 Det output	Type-3 Det output
1	High	High
2	Low	High
3	High	Low
4	Low	Low



LTC4417 better for 3 input powr muxing

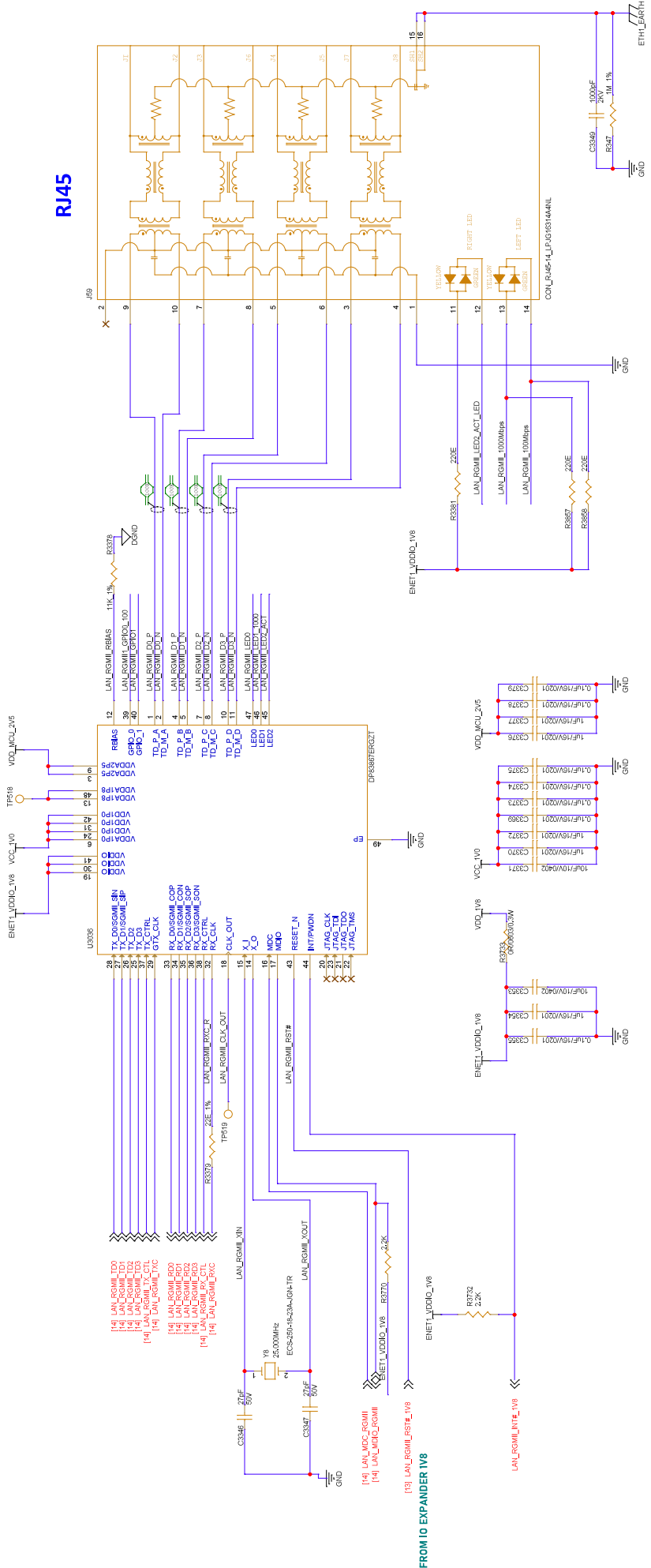
Ethernet - WAN



FUNCTION	
RJ45-LED	
RIGHT - GREEN	
LEFT - GREEN	1000Mbps Speed
LEFT - YELLOW	100Mbps Speed

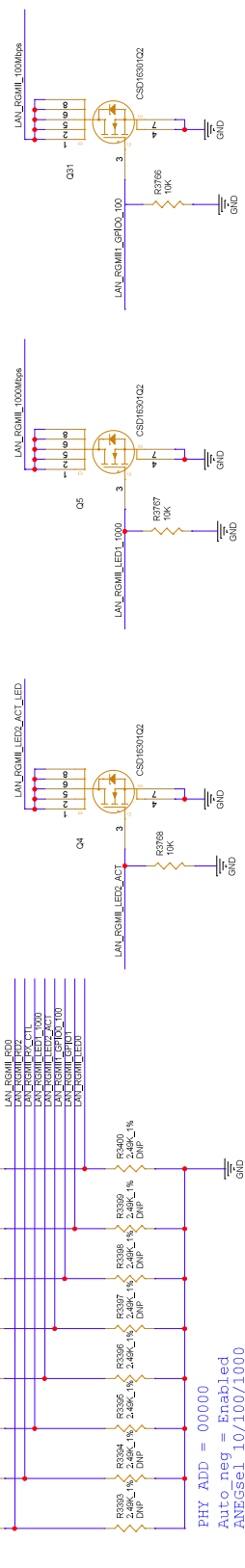
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	Project Name: RT-CONF_001_ROUTER-ALPHA_SCH-REV01 POWER SECTION	
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Ethernet - LAN



RJ45-LED	FUNCTION
RIGHT - GREEN	ACTIVITY
LEFT - GREEN	1000Mbps Speed
LEFT - YELLOW	100Mbps Speed

SPEED AND ACTIVITY LED DRIVERS



PHY ADD = 00000
Auto neg = Enabled
ANEGSel 10/100/1000
RGMII Clock Skew TX = 0ns
RGMII Clock Skew RX = 2ns

LED 2-MODE1 & LED 1-MODE2-TX SKEW=0ns
GPIO0-MODE1 & GPIO1-MODE1-RX SKEW=2ns