

ESP-WiWi

[1] TITLE PAGE

[2] ESP-TX

[3] ESP-RX

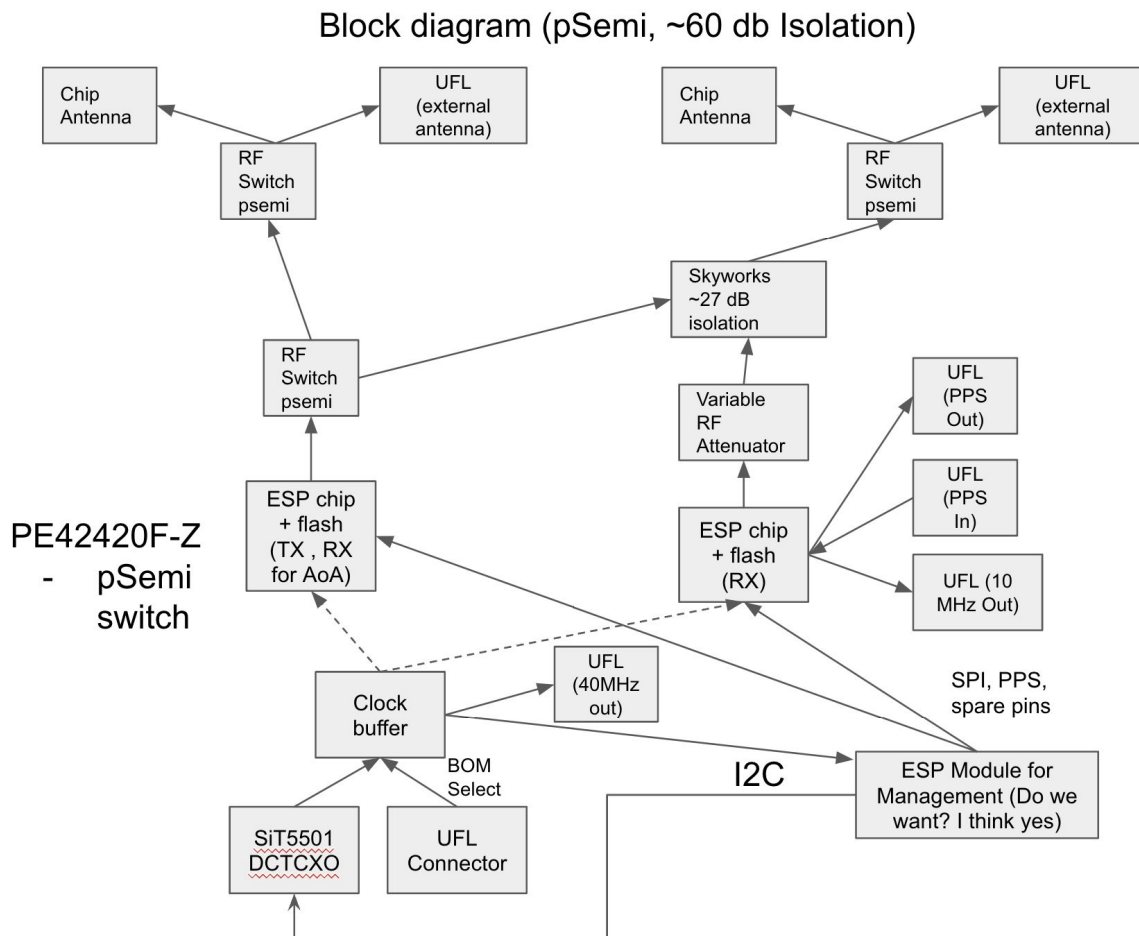
[4] ESP-MGMT

[5] RF PATH

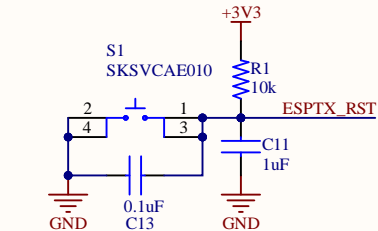
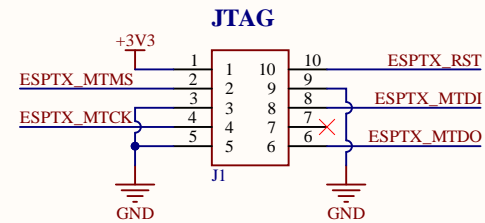
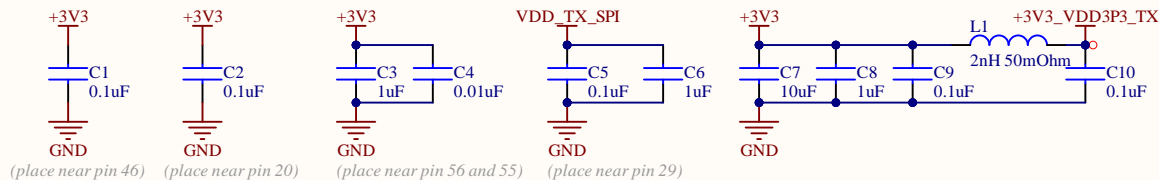
[6] PROGRAMMING

[7] DCTCXO

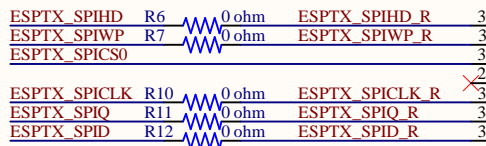
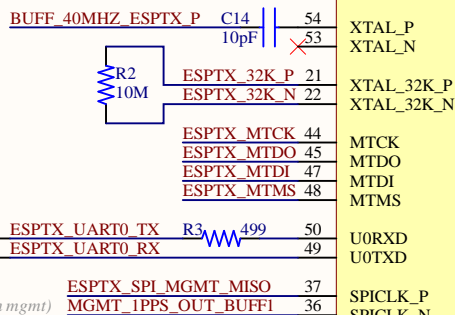
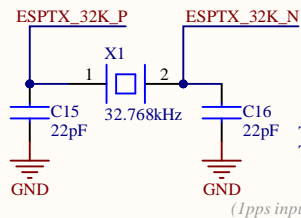
[8] POWER



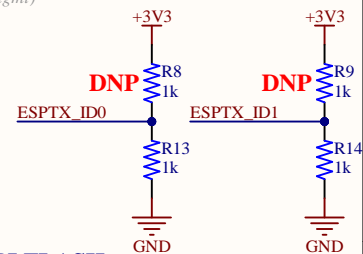
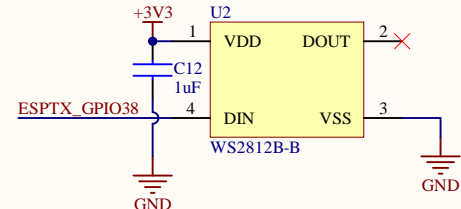
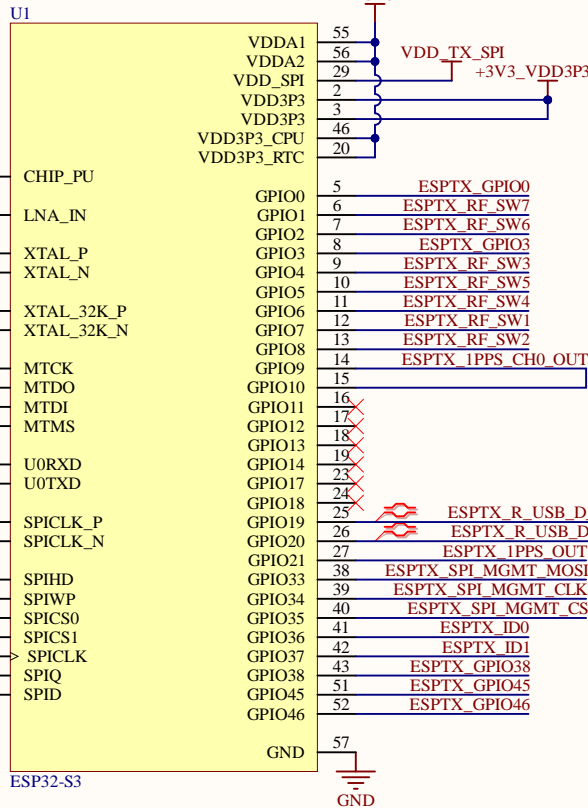
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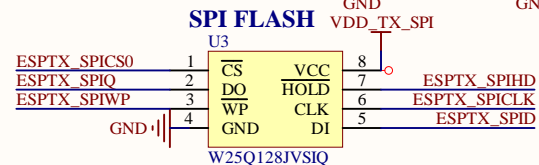
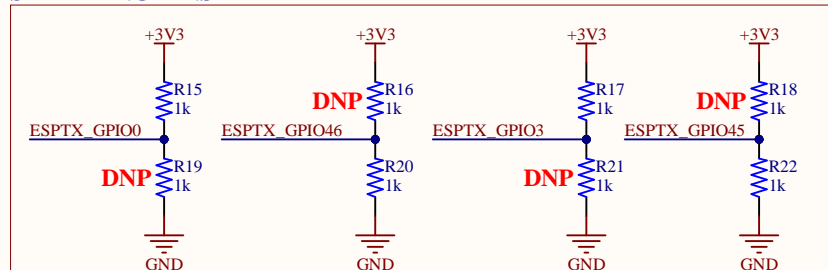
32KHZ XTAL



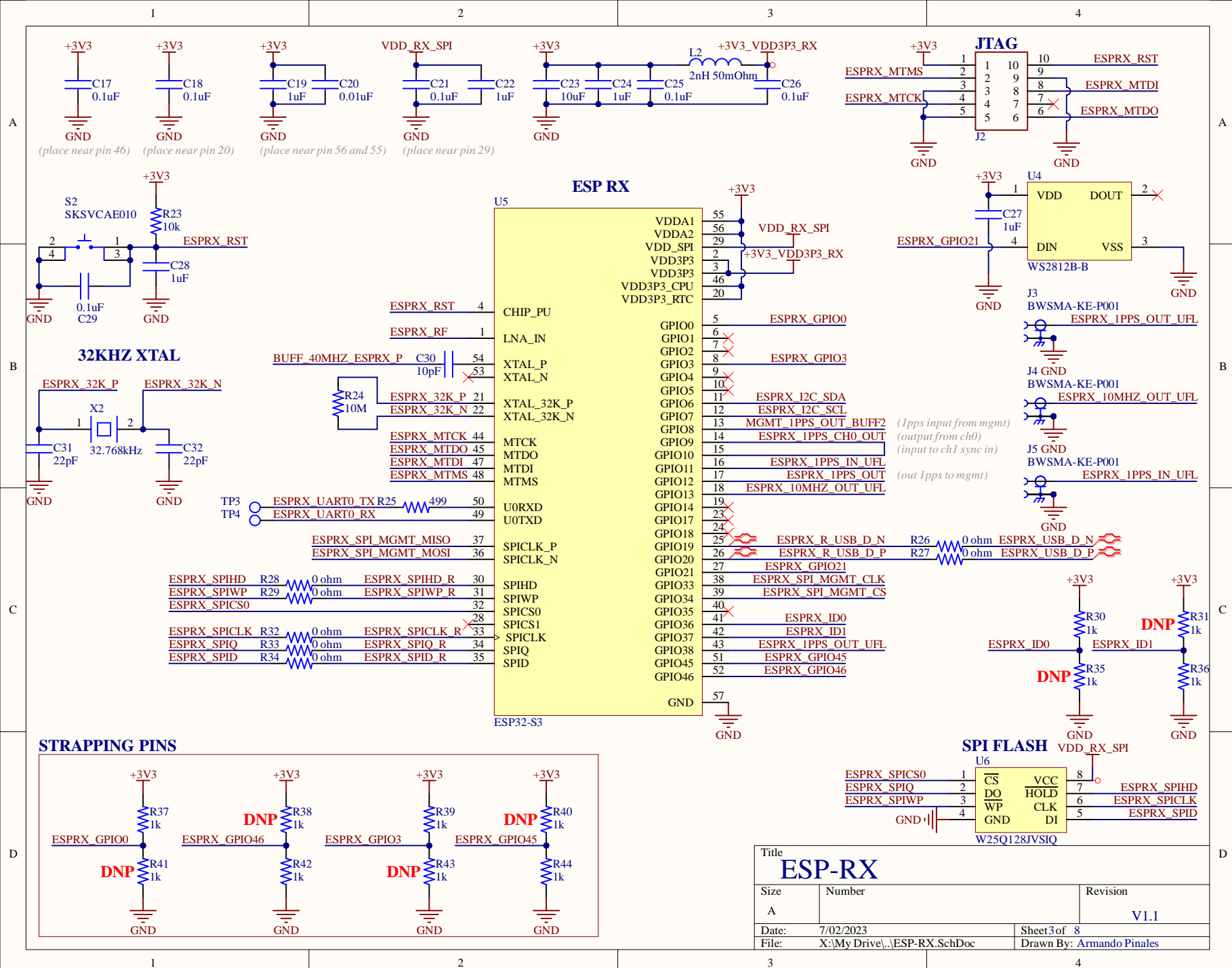
ESP TX



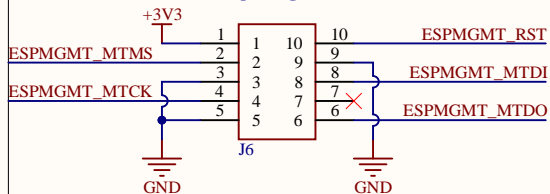
STRAPPING PINS



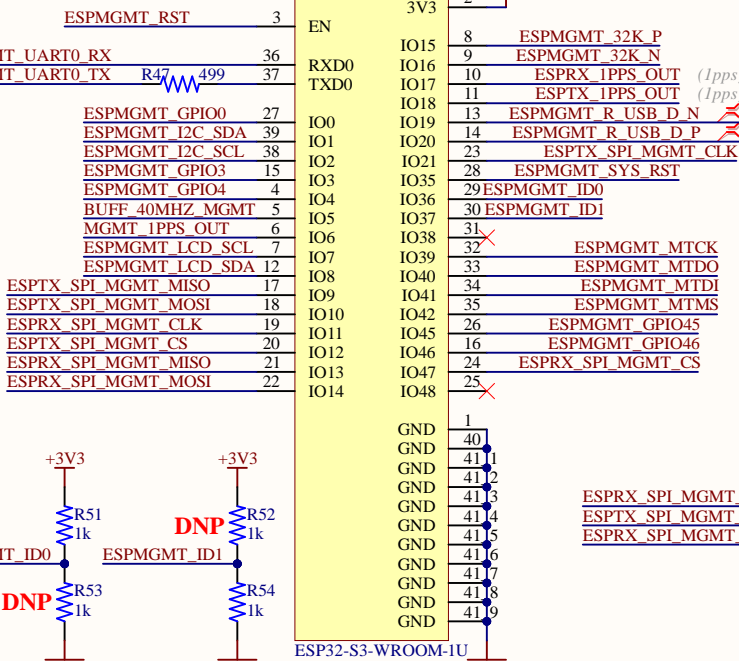
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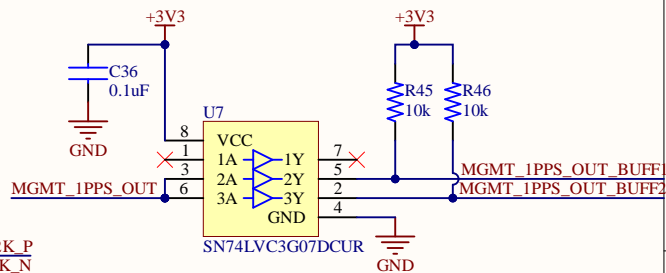
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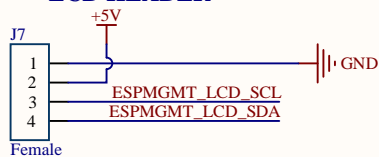
ESP32 MGMT



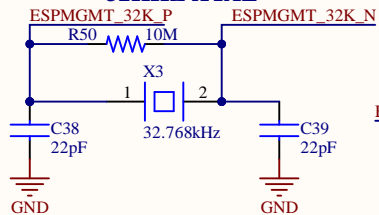
MGMT 1PPS OUT BUFFER



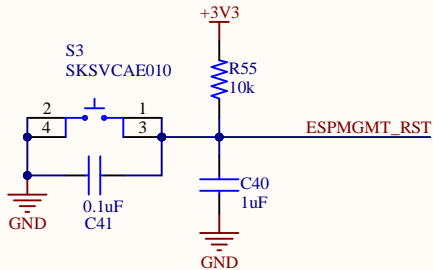
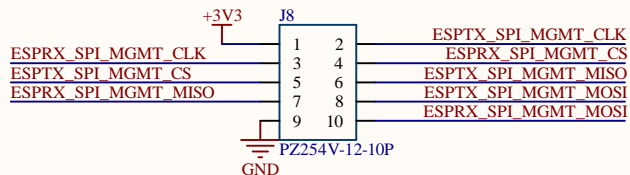
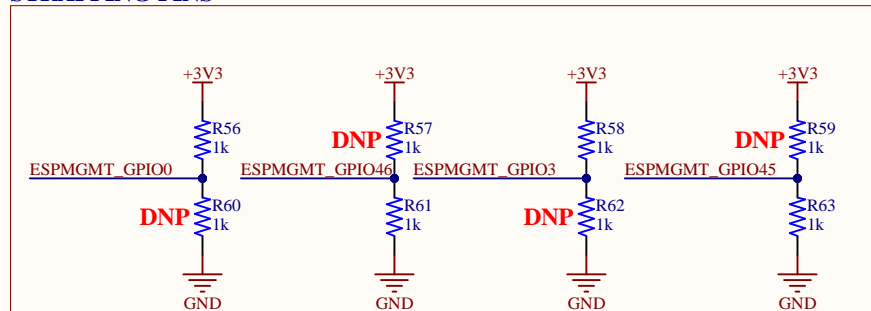
LCD HEADER



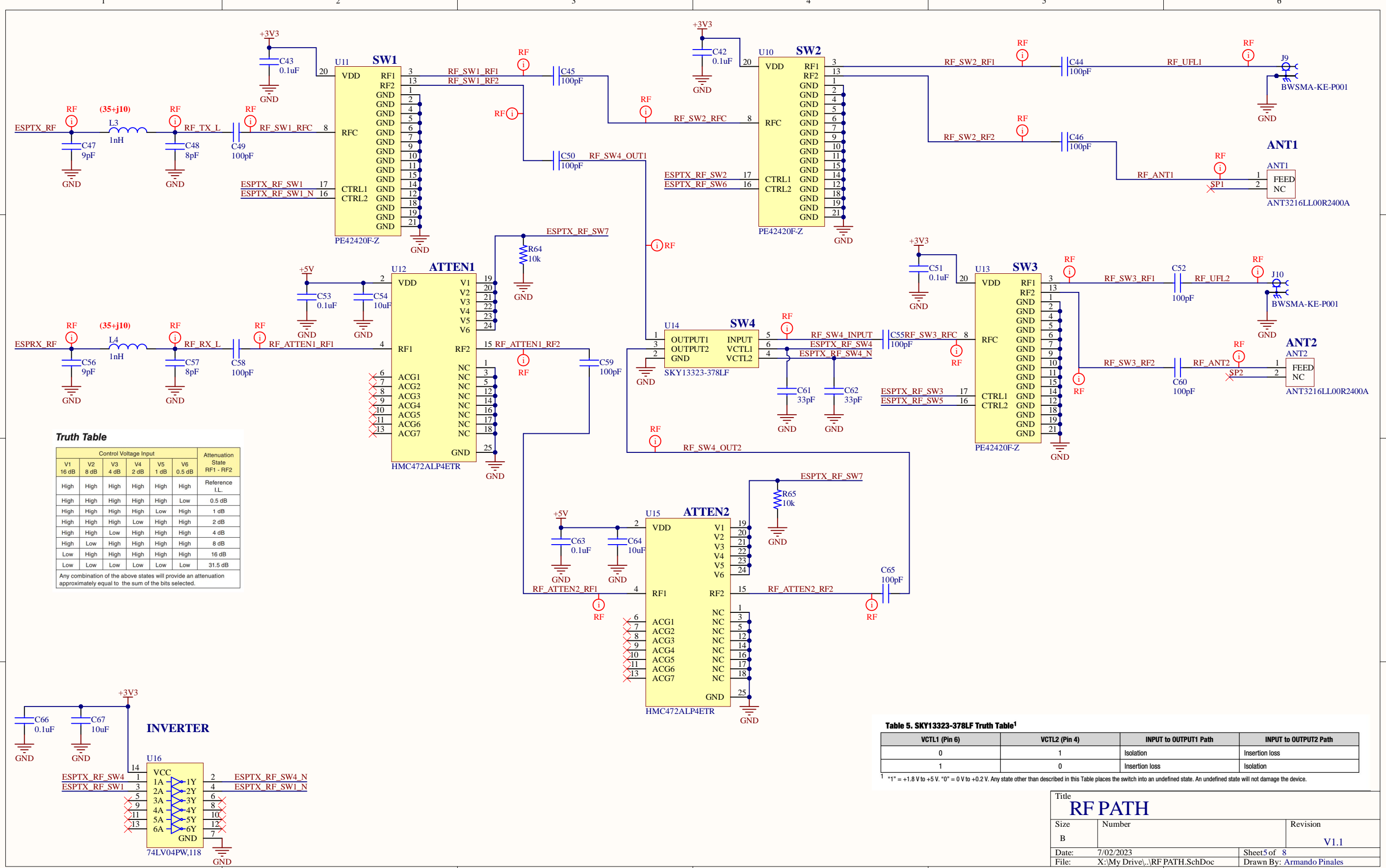
32KHZ XTAL



STRAPPING PINS



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Truth Table

Control Voltage Input						Attenuation State RF1 - RF2
V1	V2	V3	V4	V5	V6	
16 dB	8 dB	4 dB	2 dB	1 dB	0.5 dB	
High	High	High	High	High	High	Reference I.L.
High	High	High	High	High	Low	0.5 dB
High	High	High	High	Low	High	1 dB
High	High	High	Low	High	High	2 dB
High	High	Low	High	High	High	4 dB
High	Low	High	High	High	High	8 dB
Low	High	High	High	High	High	16 dB
Low	Low	Low	Low	Low	Low	31.5 dB

Any combination of the above states will provide an attenuation approximately equal to the sum of the bits selected.

Table 5. SKY13323-378LF Truth Table¹

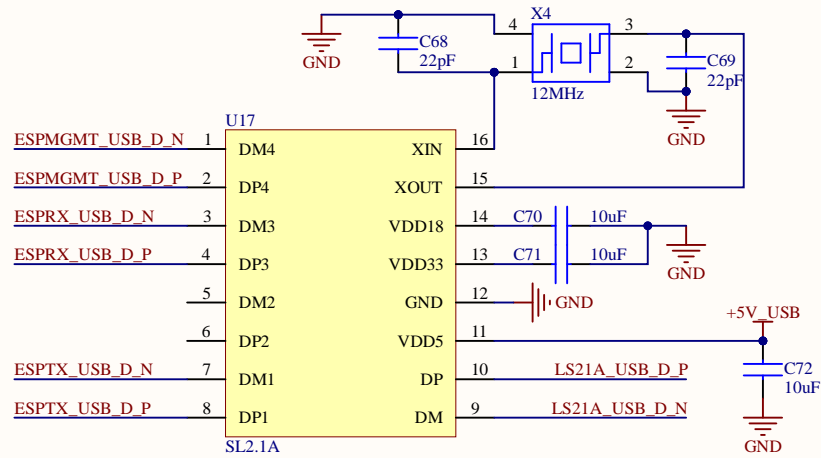
VCTL1 (Pin 6)	VCTL2 (Pin 4)	INPUT to OUTPUT1 Path	INPUT to OUTPUT2 Path
0	1	Isolation	Insertion loss
1	0	Insertion loss	Isolation

¹ "1" = +1.8 V to +5 V. "0" = 0 V to +0.2 V. Any state other than described in this Table places the switch into an undefined state. An undefined state will not damage the device.

Title
RF PATH

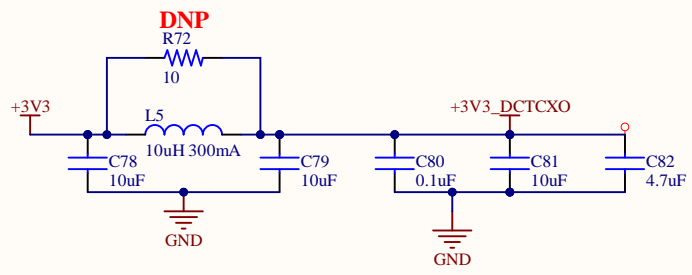
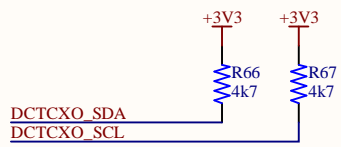
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USB 2.0 HUB

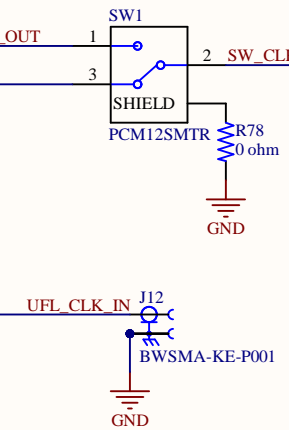
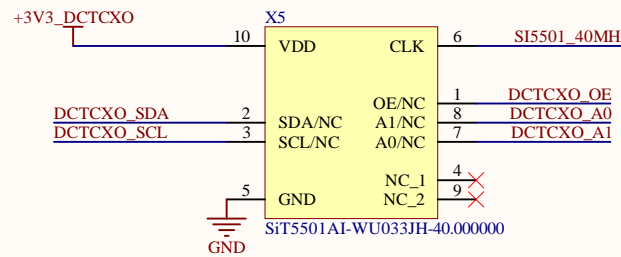


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MGMT I2C PULL-UPS

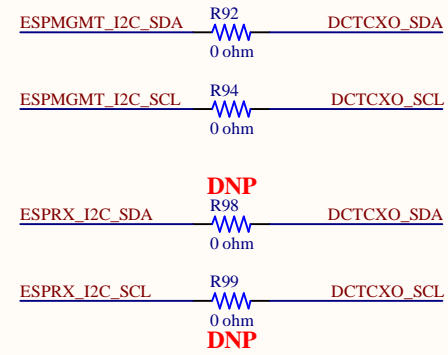


DCTCXO



EXT CLOCK IN

I2C SELECTION



I2C ADDR: 0x6A

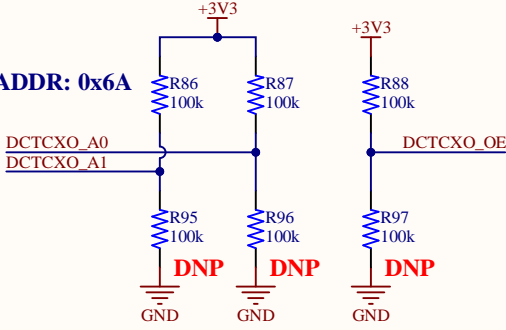
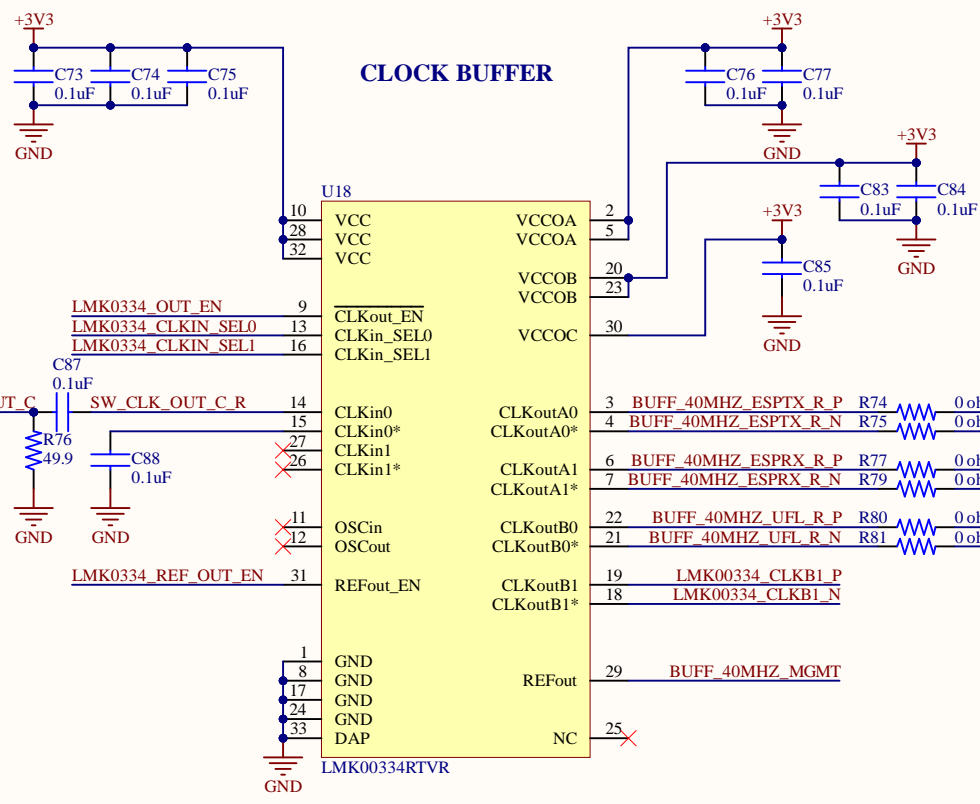
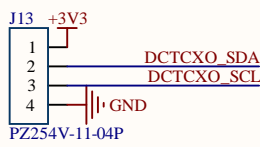
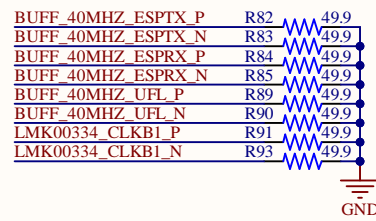
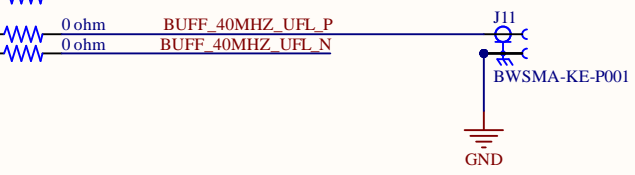


Table 14. Pin Selectable I ² C Address Control ^[13]		
A0 Pin 7	A1 Pin 8	PC Address
0	0	1100000
0	1	1100010
1	0	1101000
1	1	1101010 (Default)

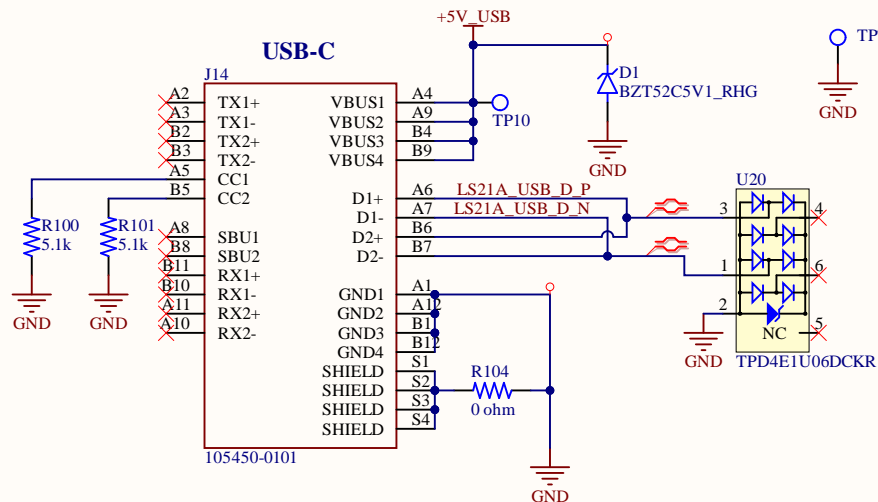
CLOCK BUFFER



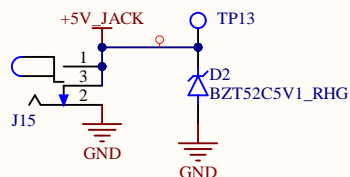
UFL CLOCK OUT



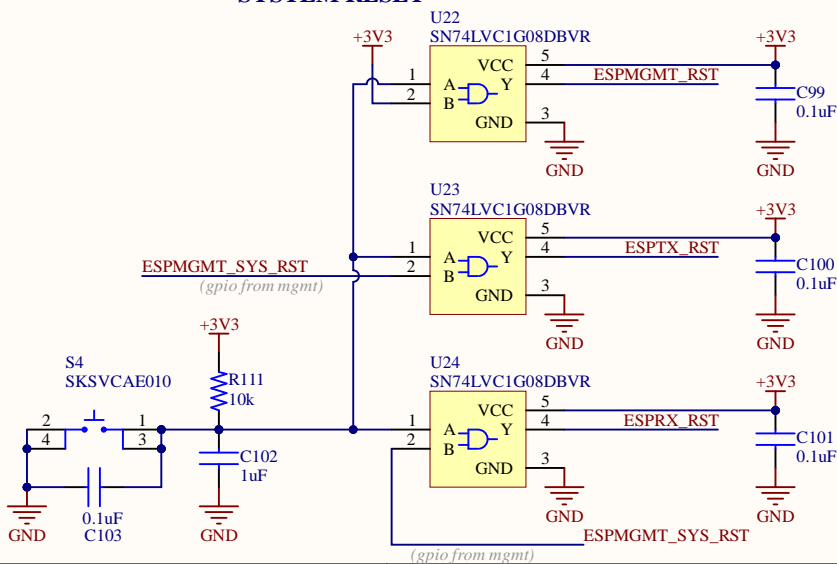
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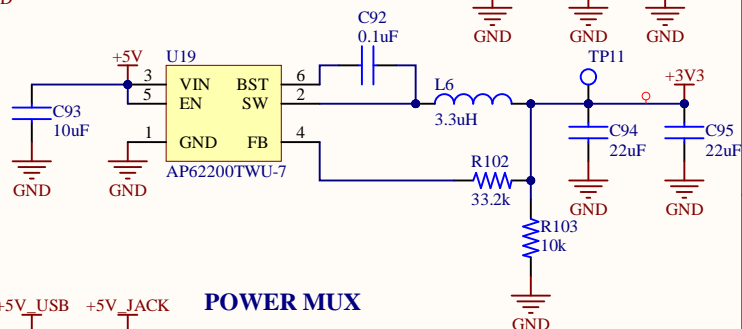
BARREL JACK



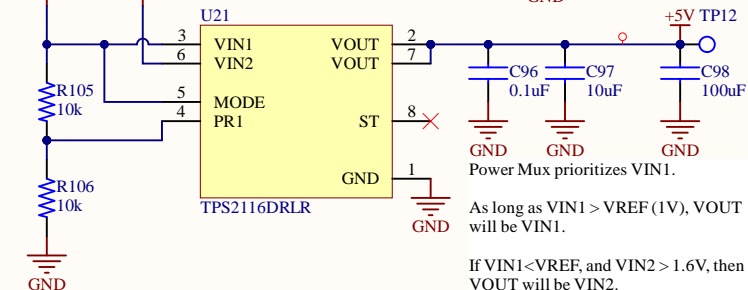
SYSTEM RESET



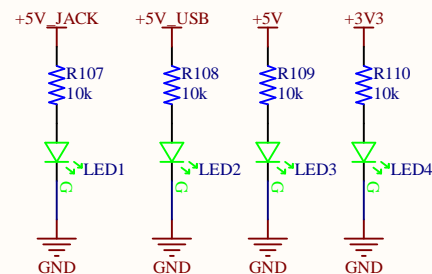
+5V TO +3V3 TO BUCK



POWER MUX



POWER INDICATOR LEDs



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