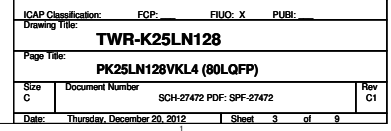
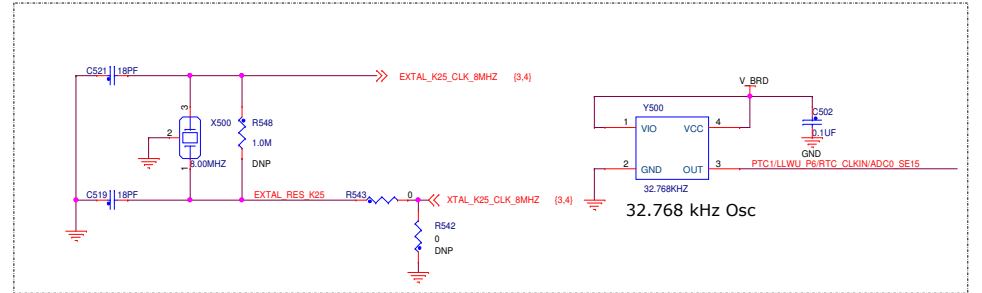


The diagram illustrates the wiring for a K25 JTAG / SWD connector. A 10-pin connector, labeled J10, is shown. Pins 1 through 5 are connected to a common V_{BRD} supply line. Pins 6 through 10 are connected to a common GND line. A 0.1uF capacitor is connected between pin 1 and GND. The specific signal connections are as follows:

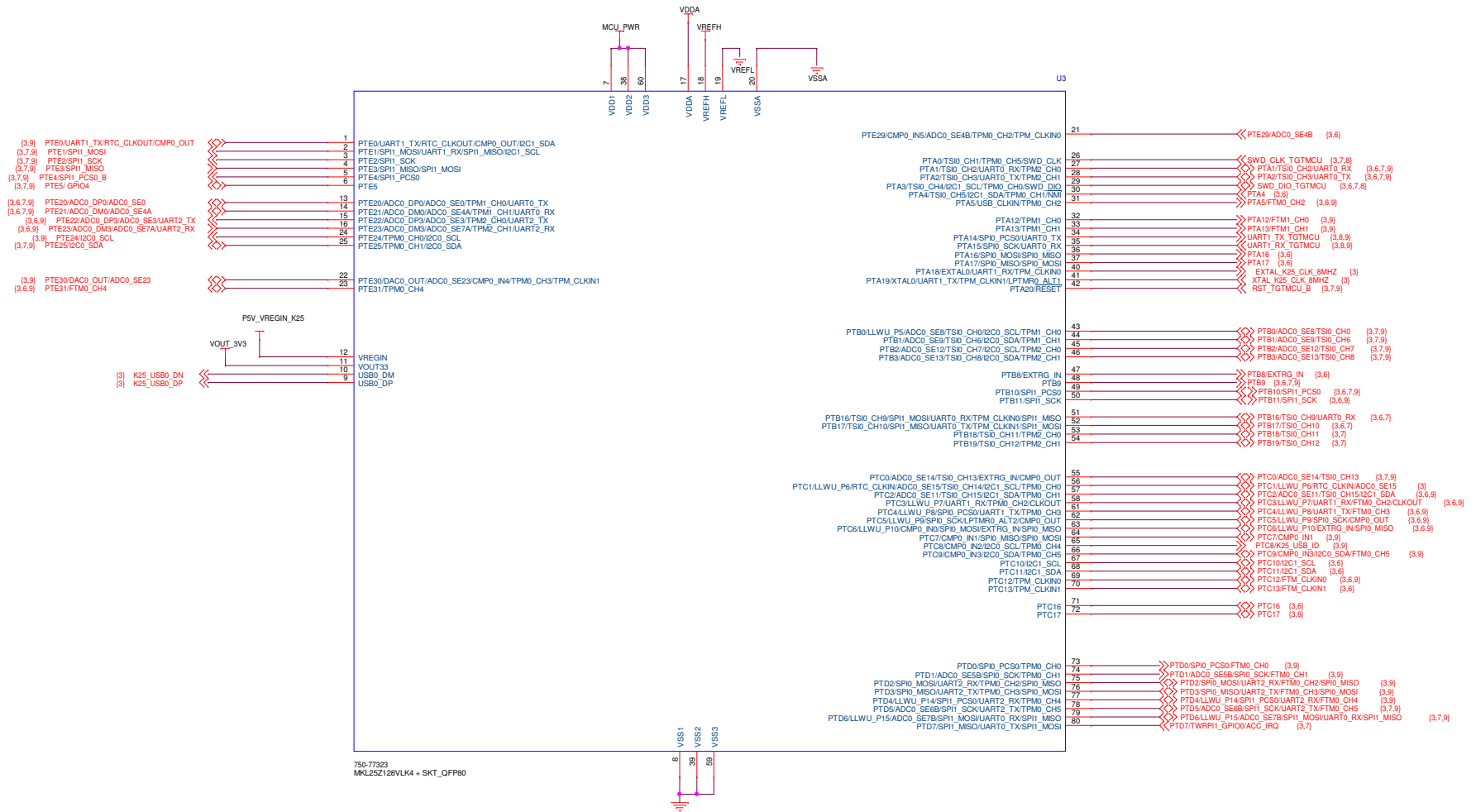
- Pin 2: SWD_DIO_TGTMCU
- Pin 4: SWD_CLK_TGTMCU
- Pin 8: RST_TGTMCU_B
- Pin 10: RST_TGTMCU_B

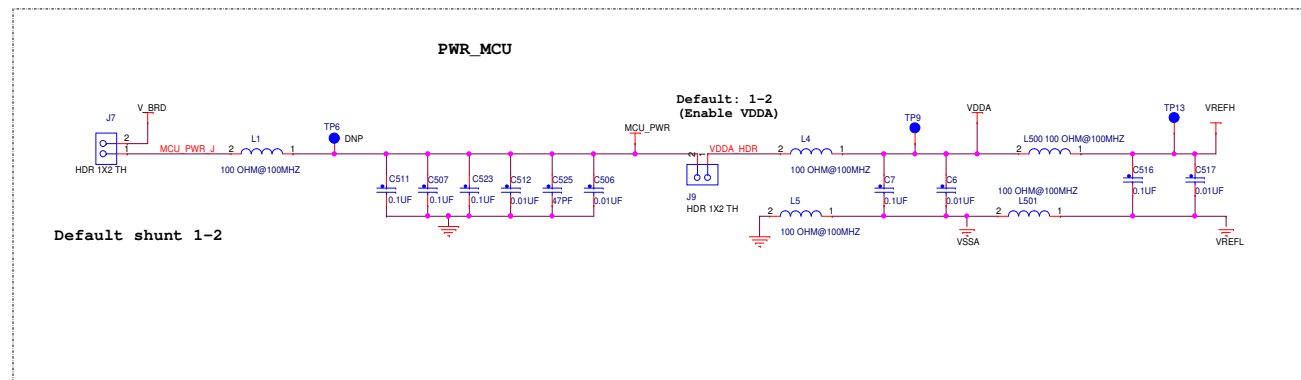
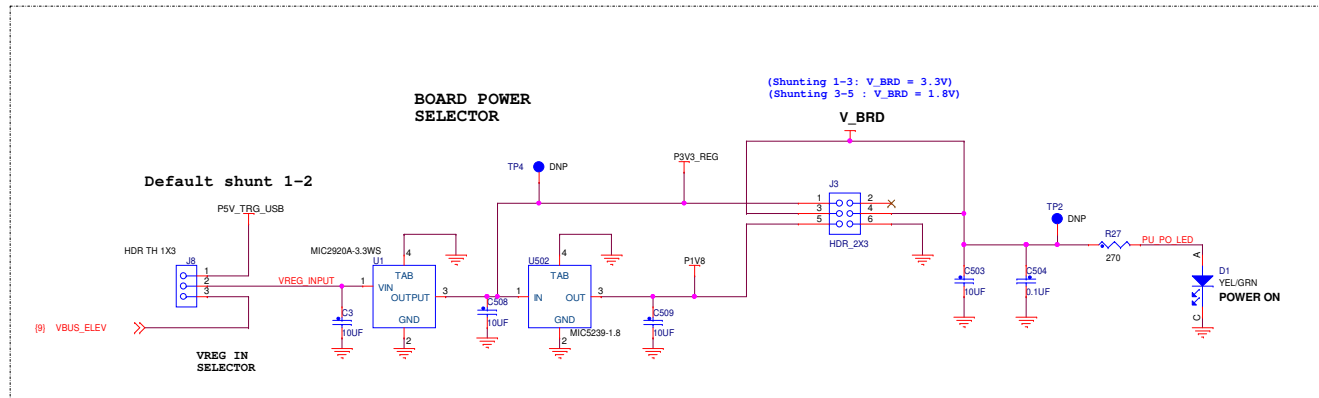
The connector is also labeled HDR X25.

Default: 1-2
(Enable USB Power)

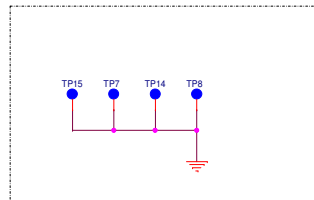


K25 - SUB ASSEMBLY

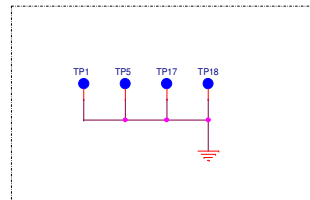




GND LOOP TEST PADS



GND LOOP TEST LOOPS



ICAP Classification: FCP: FIUC: X PUB:			
Drawing Title: TWR-K25LN128			
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LEDs



Intensity will be different
between $V_{BRD} = 1.8V$ and $3.3V$.

ACCELEROMETER



Default: 1-2
(Enable DATA

Default: No Shunt
1-2 : Enable ACCELEROMETER

PTC611 W/ P10/EXTRG IN/SPI0 MISO

Default: No Shunt
1-2 : Enable ACCELEROMETER

GPIO HDR



34791

3,4,7,8)

0 CH2/CLK

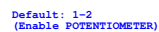
OSIM 0

o_miso

PUSH BUTTON



POTENTIOMETER



TOUCH ELECTRODES WITH LEDs

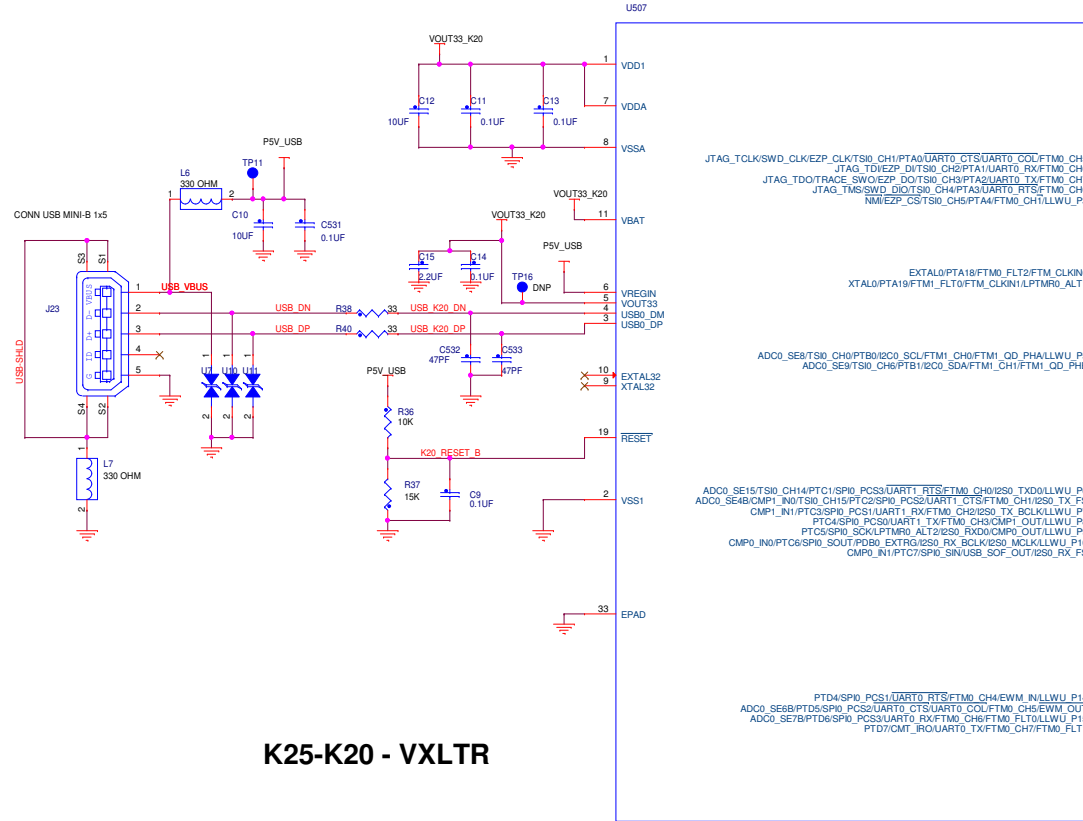


ICAP Classification:		FCP:		FIUO: X		PUBI:	
Drawing Title:							
TWR-K25LN128							
Page Title:							
PERIPHERALS							
Size C	Document Number SCH-27472 PDF: SPF-27472						Rev C1
Date:		Thursday, December 20, 2012		Sheet		6 of 9	

Check that the TWRPI board will work at 1.8V before using it when this board is set for 1.8V.

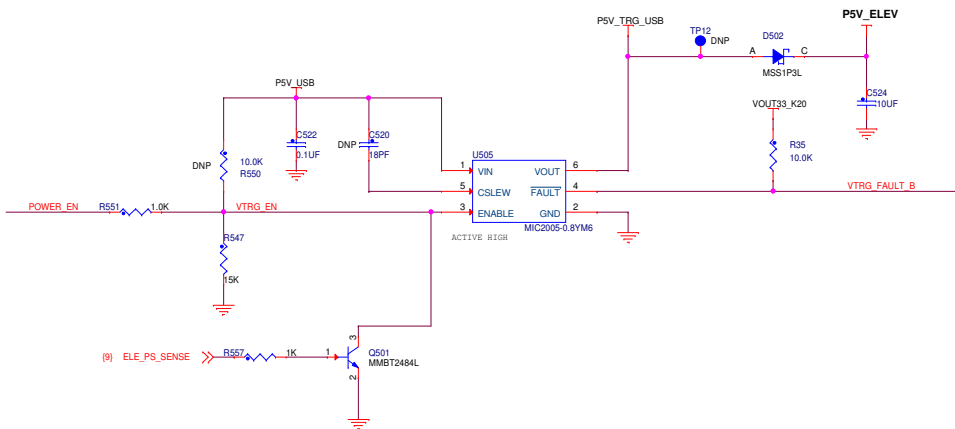


K20 - 32QFN

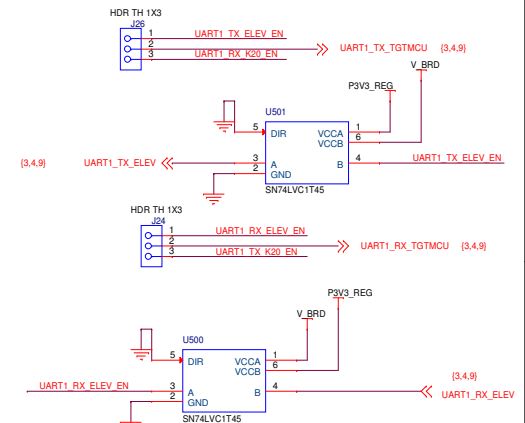
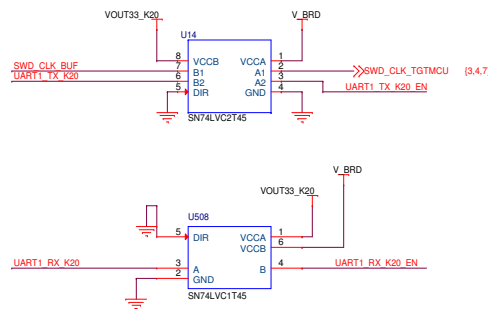
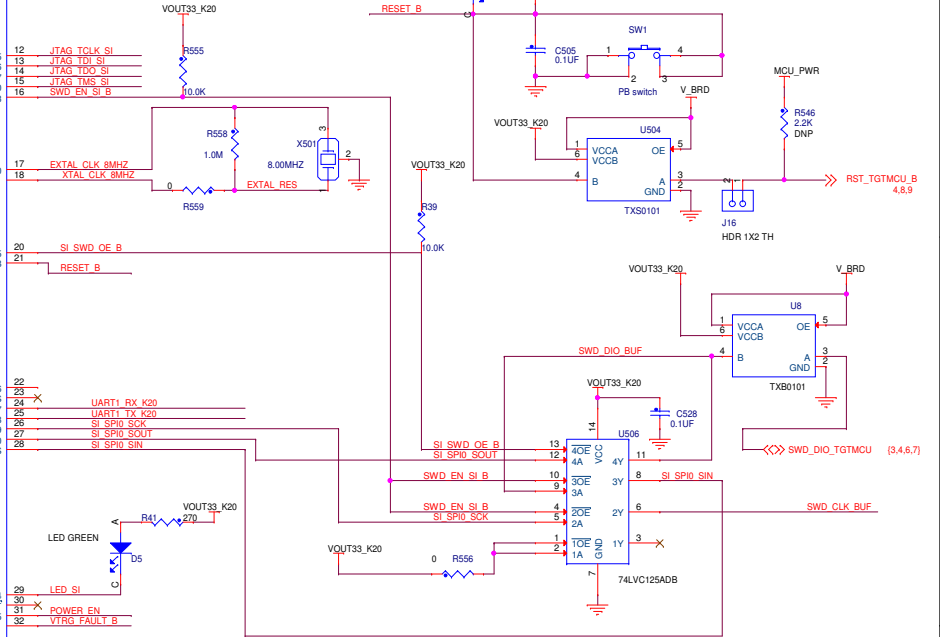


K25-K20 - VXLTR

PWR switch to enable 5v from USB connector

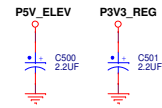
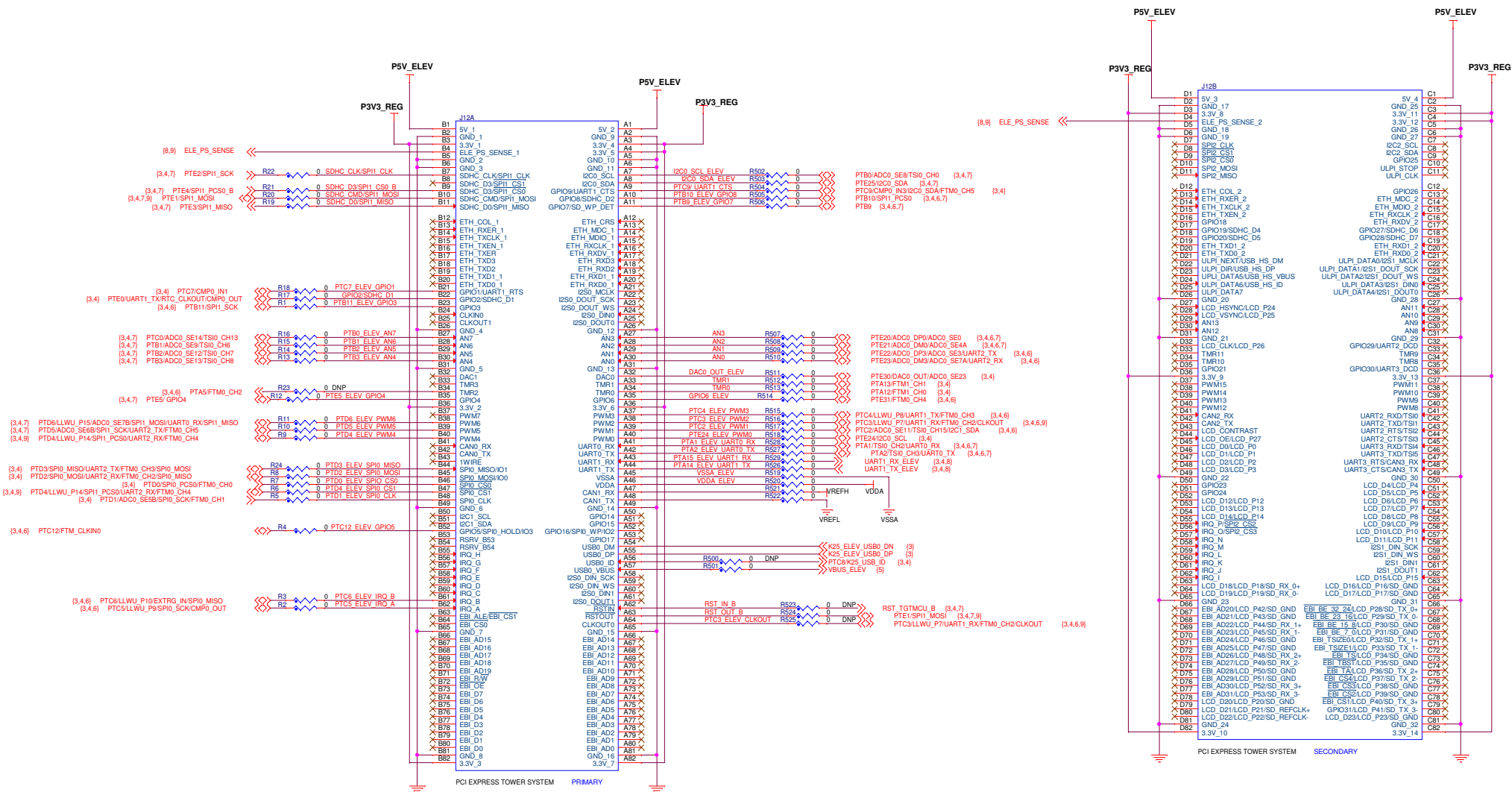


K20 USB-SERIAL INTERFACE JTAG CONNECTOR



ICAP Classification: FCP: FIUC: X PUB:	
Drawing Title: TWR-K25LN128	
Page Title: SWD K20	
Size C	Document Number SCH-27472 PDF: SPF-27472
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ELEVATOR CONNECTOR



ICAP Classification: FCP: FIUO: X PUBI:	
Drawing Title: TWR-K25LN128	
Page Title: ELEVATORS	
Size C	Document Number SCH-27472 PDF: SPF-27472
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