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REV	DESCRIPTION	BY	DATE
1.0		Alif	MM-DD-YY
1.1		Alif	MM-DD-YY
1.2		Alif	MM-DD-YY
1.3		Alif	MM-DD-YY

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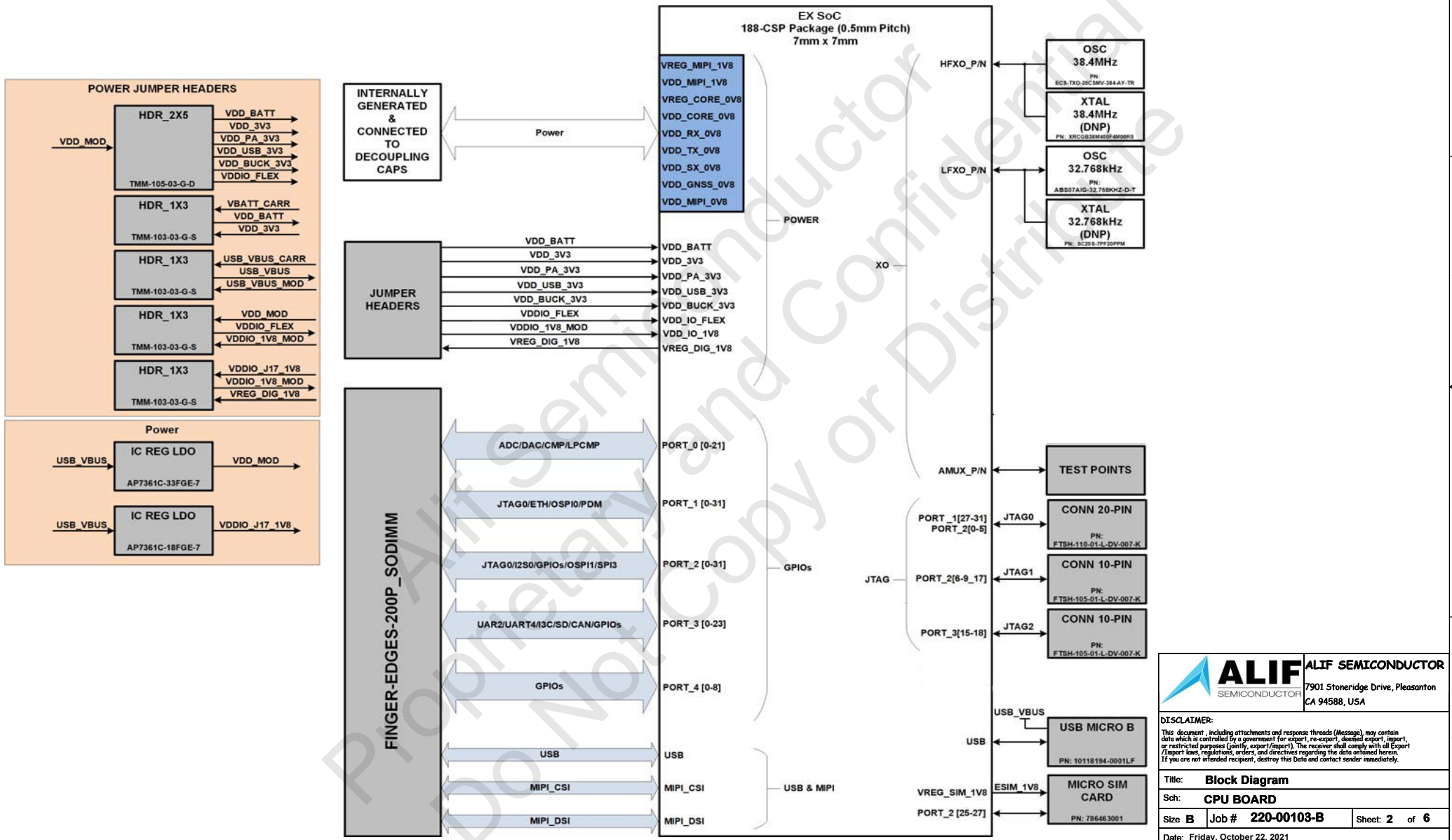
PCB FAB#	210-00103-B
PCB ASSY#	120-00103-B

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Title: <b>TOC</b>		
Sch: <b>CPU BOARD</b>		
Size <b>B</b>	Job # <b>220-00103-B</b>	Sheet: <b>1</b> of <b>6</b>
Date: Friday, October 22, 2021		

## Colours for Notes

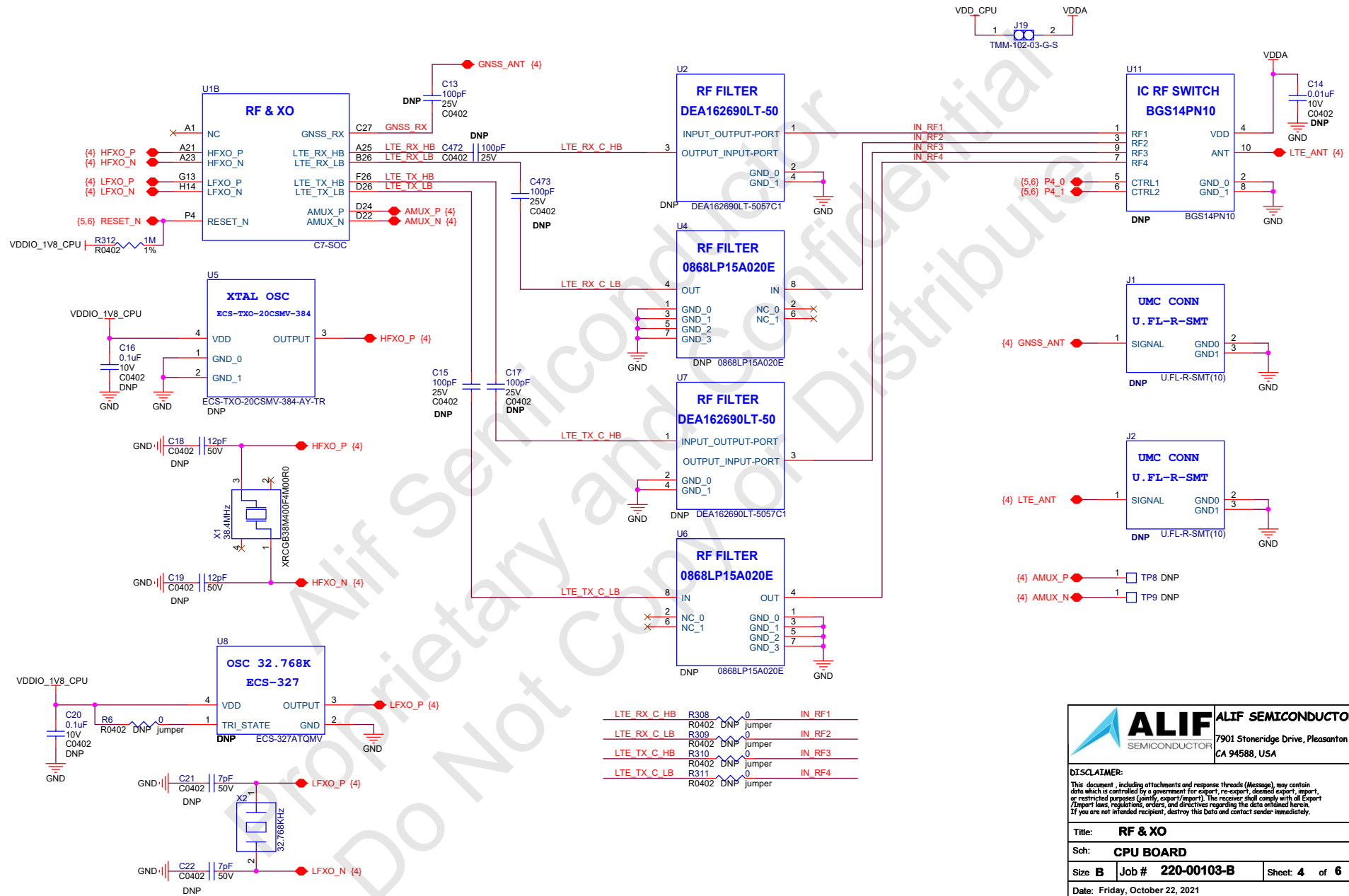
- Rework/Testing Notes
- Embedded Notes
- Layout Notes
- Other Notes

# CPU BOARD BLOCK DIAGRAM



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Title: <b>Block Diagram</b>	
Sch: <b>CPU BOARD</b>	
Size <b>B</b>	Job # <b>220-00103-B</b>
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Date: Friday, October 22, 2021	

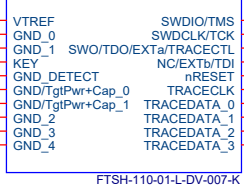




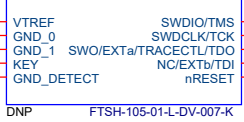
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<b>Title: RF &amp; XO</b>	
<b>Sch: CPU BOARD</b>	
<b>Size B</b>	<b>Job # 220-00103-B</b>
<b>Sheet: 4 of 6</b>	
<b>Date: Friday, October 22, 2021</b>	

# JTAG

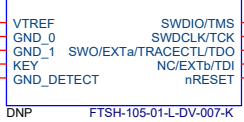
## CORTEX DEBUG+ETM 20-PIN CONN



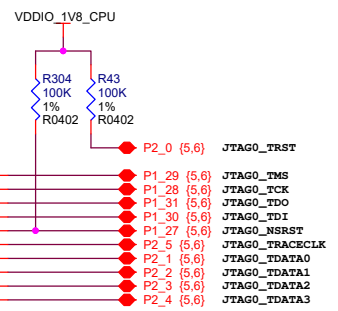
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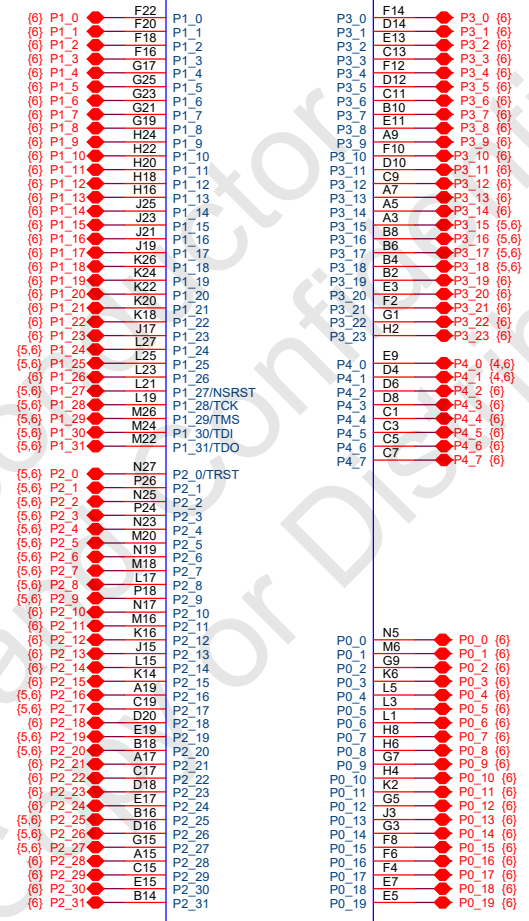
## CORTEX DEBUG 10-PIN CONN



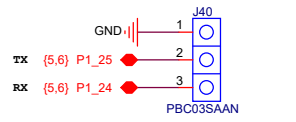
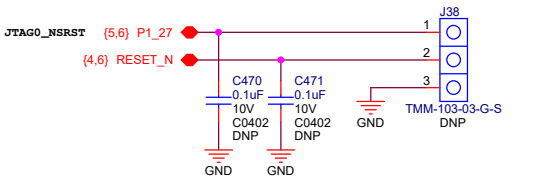
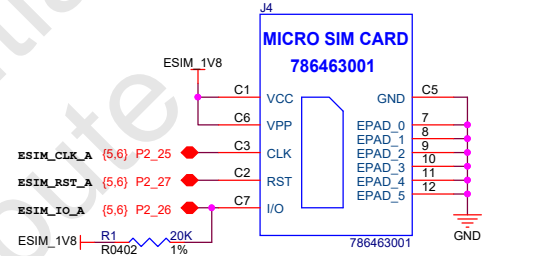
## CORTEX DEBUG 10-PIN CONN



# GPIO



# MICRO SIM CARD



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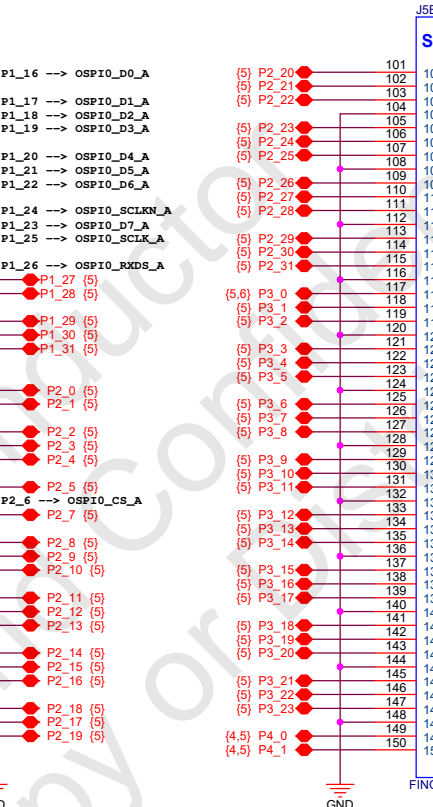
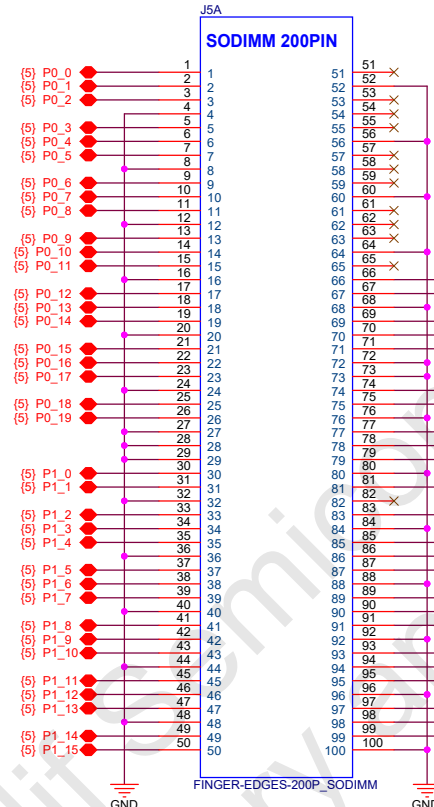
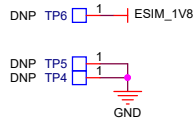
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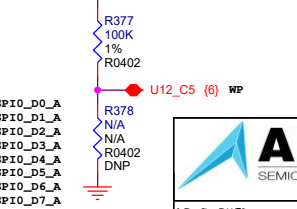
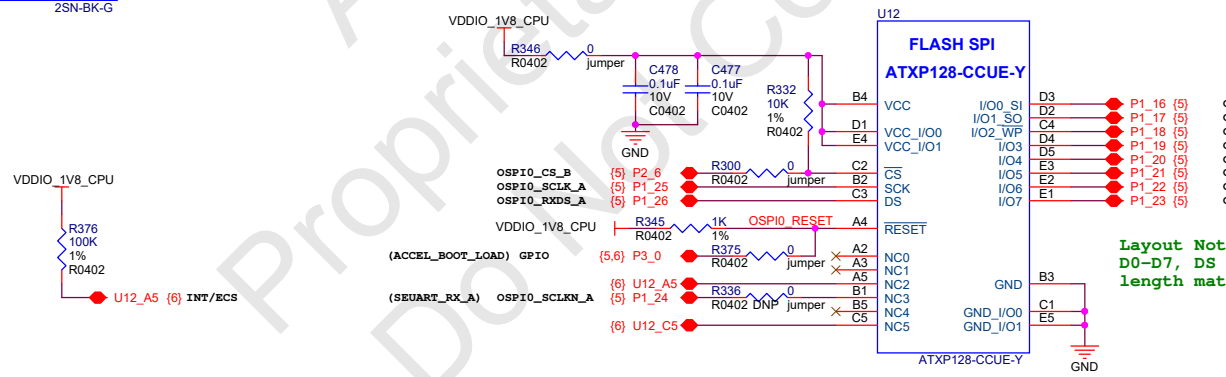
<b>Title: PORTS &amp; JTAG &amp; SIM CONN</b>		
<b>Sch: CPU BOARD</b>		
<b>Size B</b>	<b>Job # 220-00103-B</b>	<b>Sheet 5 of 6</b>
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# BOM ITEMS (JUMPERS)

- |  |   |   |
|--|---|---|
| <b>BI1</b><br><b>BOM ITEM</b><br>Jumper<br><b>J14 (1-2)</b><br>2SN-BK-G  | <b>BI2</b><br><b>BOM ITEM</b><br>Jumper<br><b>J16 (2-3)</b><br>2SN-BK-G   | <b>BI3</b><br><b>BOM ITEM</b><br>Jumper<br><b>J17 (1-2)</b><br>2SN-BK-G |
| <b>BI4</b><br><b>BOM ITEM</b><br>Jumper<br><b>J18 (1-2)</b><br>2SN-BK-G  | <b>BI5</b><br><b>BOM ITEM</b><br>Jumper<br><b>J19 (1-2)</b><br>2SN-BK-G   | <b>BI6</b><br><b>BOM ITEM</b><br>Jumper<br><b>J21 (1-2)</b><br>2SN-BK-G |
| <b>BI7</b><br><b>BOM ITEM</b><br>Jumper<br><b>J20 (1-2)</b><br>2SN-BK-G  | <b>BI8</b><br><b>BOM ITEM</b><br>Jumper<br><b>J20 (3-4)</b><br>2SN-BK-G   | <b>BI9</b><br><b>BOM ITEM</b><br>Jumper<br><b>J20 (5-6)</b><br>2SN-BK-G |
| <b>BI10</b><br><b>BOM ITEM</b><br>Jumper<br><b>J20 (7-8)</b><br>2SN-BK-G | <b>BI11</b><br><b>BOM ITEM</b><br>Jumper<br><b>J20 (9-10)</b><br>2SN-BK-G |   |



## OSPI



**Layout Notes:**  
Place these caps as close as possible to J5

**Layout Notes:**  
D0-D7, DS + SCK all length matched to +/-2mm

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Title: <b>FINGER-EDGES 200PIN SODIMM</b>		
Sch: <b>CPU BOARD</b>		
Size <b>B</b>	Job # <b>220-00103-B</b>	Sheet: <b>6</b> of <b>6</b>
Date: Friday, October 22, 2021		