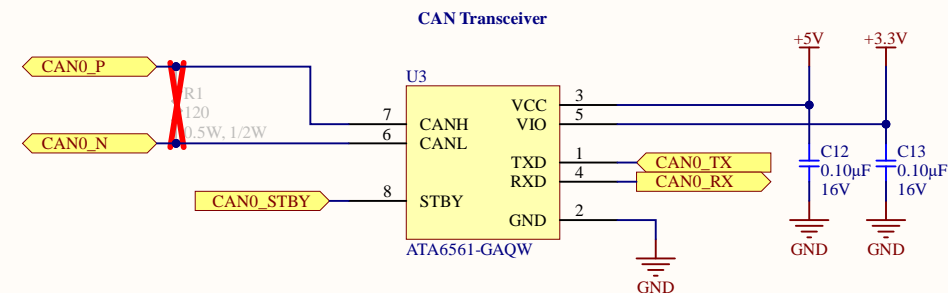
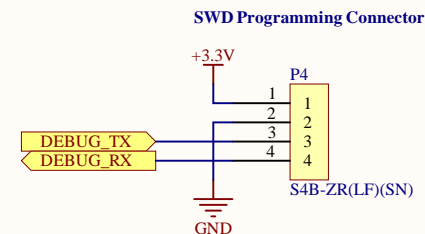
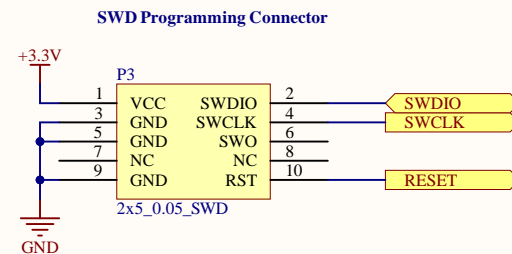


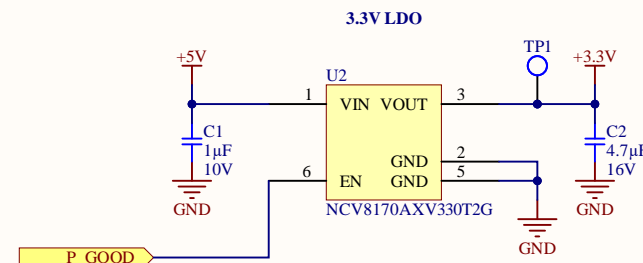
Δ J1-J4 Notes:

- J1 and J2 are top connectors they are available in 4 stack heights to allow for greater top side component clearance. 10144517-041802LF, 10144517-042802LF, 10144517-043802LF, and 10144517-044802LF allow for 152mil, 310mil, 467mil, and 625mil (respectively) component height clearance on top side
- P1 and P2 are bottom connectors. Bottom component height clearance is 152mil
- All pins should be connected to both top and bottom connectors to ensure the signals are passed to adjacent boards in the stack.
- +VBAT and +VBAT_Preboot are up to 34VDC. Ensure adequate electrical clearance when routing



U3 Notes:

- Termination resistor should NOT be installed for normal operation. This is taken care of at the top and bottom boards of the stack.
- Power dissipation at termination could be as high as 208mW



U2 Notes:

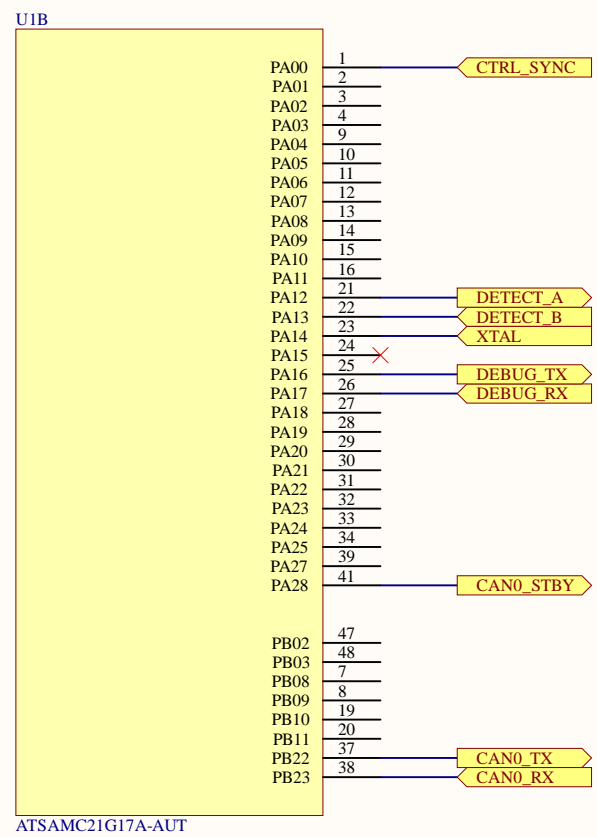
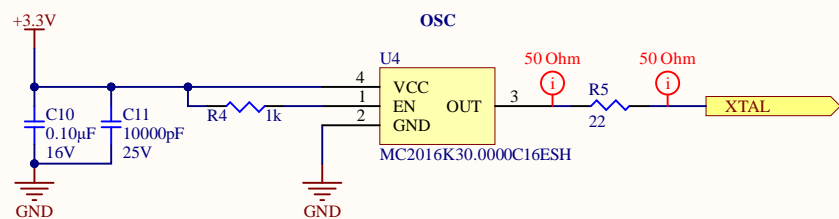
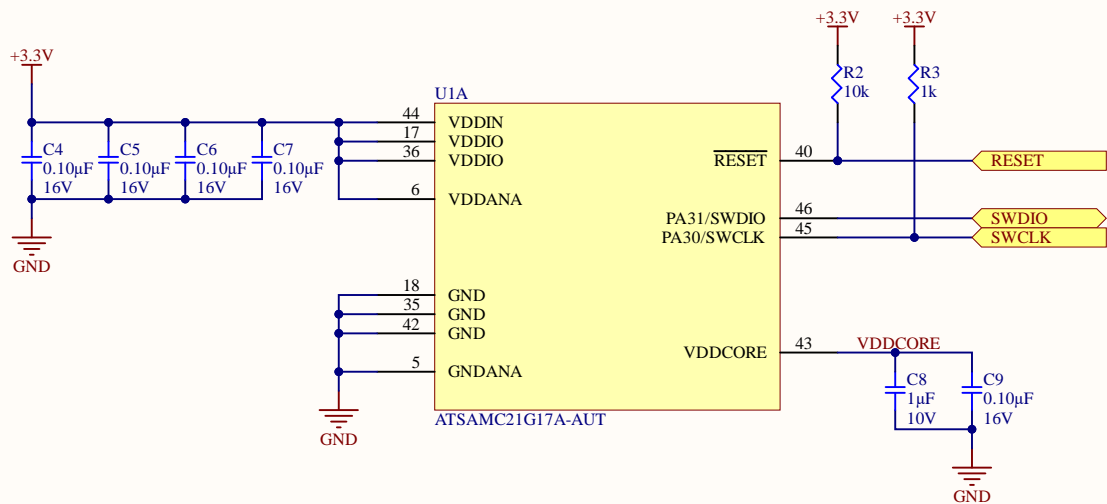
- Max current 130mA.
- Enabled when P_GOOD is above 1.2V, and is disabled when P_GOOD drops below 0.4V.

<p>Title Block Notes:</p> <ul style="list-style-type: none">- All of the title block information is pulled from the project properties except for sheet number, which needs to be updated using Tools > Annotation > Number Schematic Sheets- Updates to the project properties will also be reflected in the board silkscreen- Title, Document Number, and Revision should be updated for your module

Let's Build Rocket's Inc. Modular Payload System Based on TMP-010 Rev B
For more information visit <https://github.com/LetsBuildRockets/Modular-Payload-System>
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Title Modular Payload System Template			<i>Let's Build Rockets Inc.</i> * * * * *
Assembly Variant: TMP-011			
Size: B	Number: TMP-010	Revision: B	
Date: 12/25/2020	Time: 2:27:50 PM	Sheet 1 of 2	
File: D:\Users\erics\Documents\Modular-Payload-System\Hardware\TMP-010\Sheet1.SchDoc		Author: E.Sims	






U1 Notes:

- RESET and SWCLK pullups are required
- PA15 is DNC
- DEBUG_TX/RX can be repurposed for additional I/O if the debug UART is not wanted

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For more information visit <https://github.com/LetsBuildRockets/Modular-Payload-System>
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Title Modular Payload System Template			Let's Build Rockets Inc. * * * * 
Assembly Variant: TMP-011			
Size: B	Number: TMP-010	Revision: B	
Date: 12/25/2020	Time: 2:27:51 PM	Sheet 2 of 2	
File: D:\Users\erics\Documents\Modular-Payload-System\Hardware\TMP-010\Sheet2.SchDoc		Author: E. Sims	

