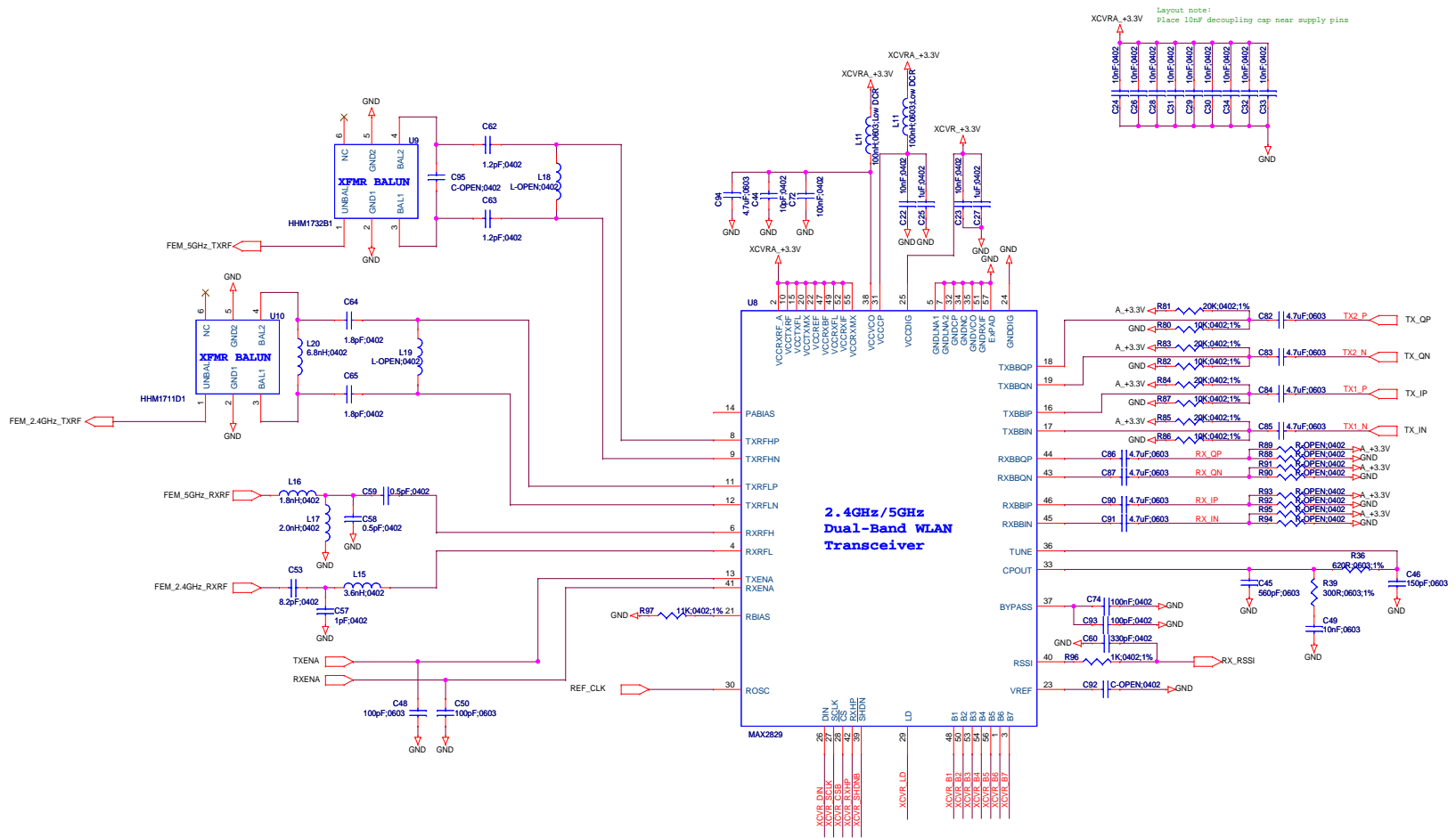
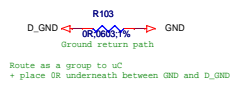
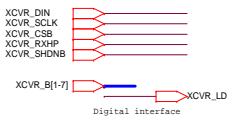


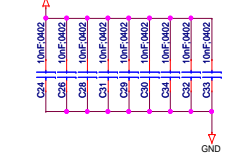
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**2.4GHz/5GHz  
Dual-Band WLAN  
Transceiver**



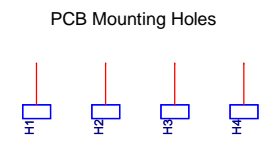
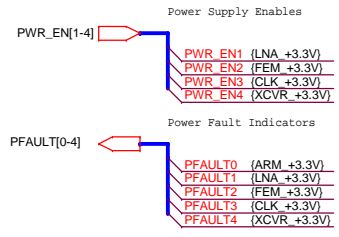
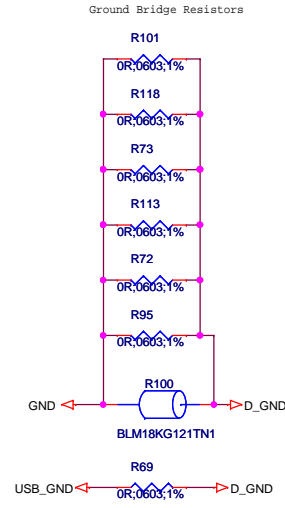
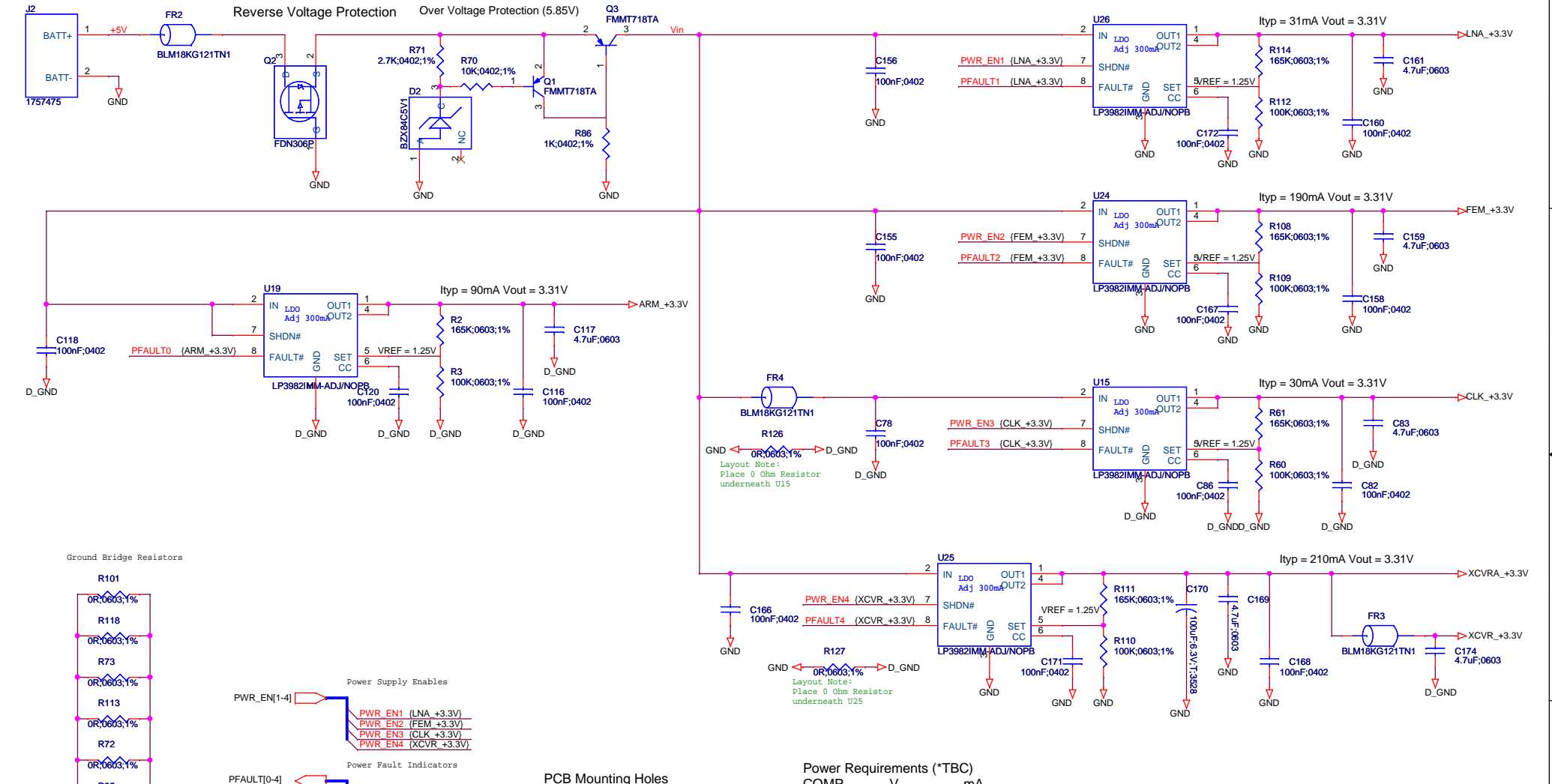
Layout note:  
Place 10nF decoupling cap near supply pins



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# +5V Supply

OPERATIONAL RANGE: 5.00 - 5.75V



Power Requirements (\*TBC)

COMP	V	mA
MICRO	+3.3	50*

AZ/M/S

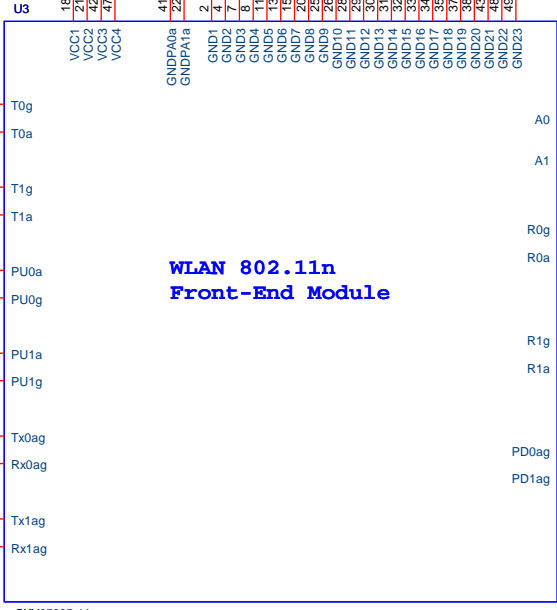
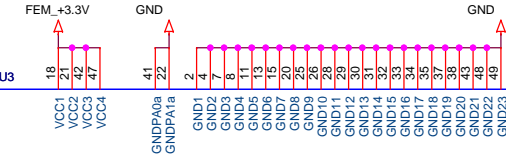
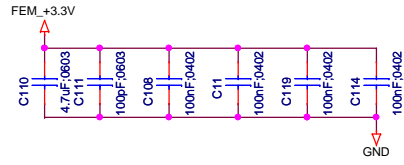
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JSA

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**COM-3505 WLAN Transceiver / POWER**

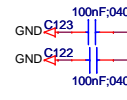
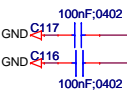
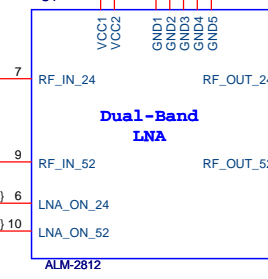
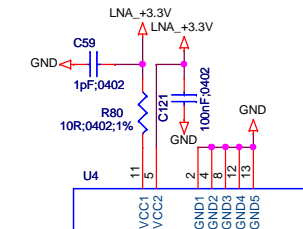
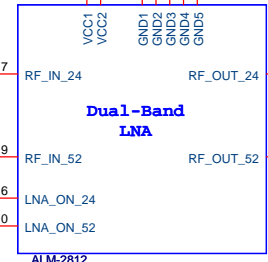
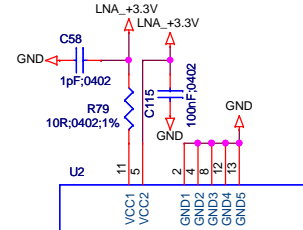
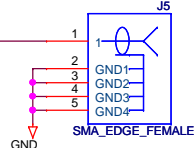
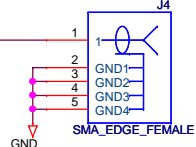
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**Y10010**

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FEM\_CTRL[0-11]

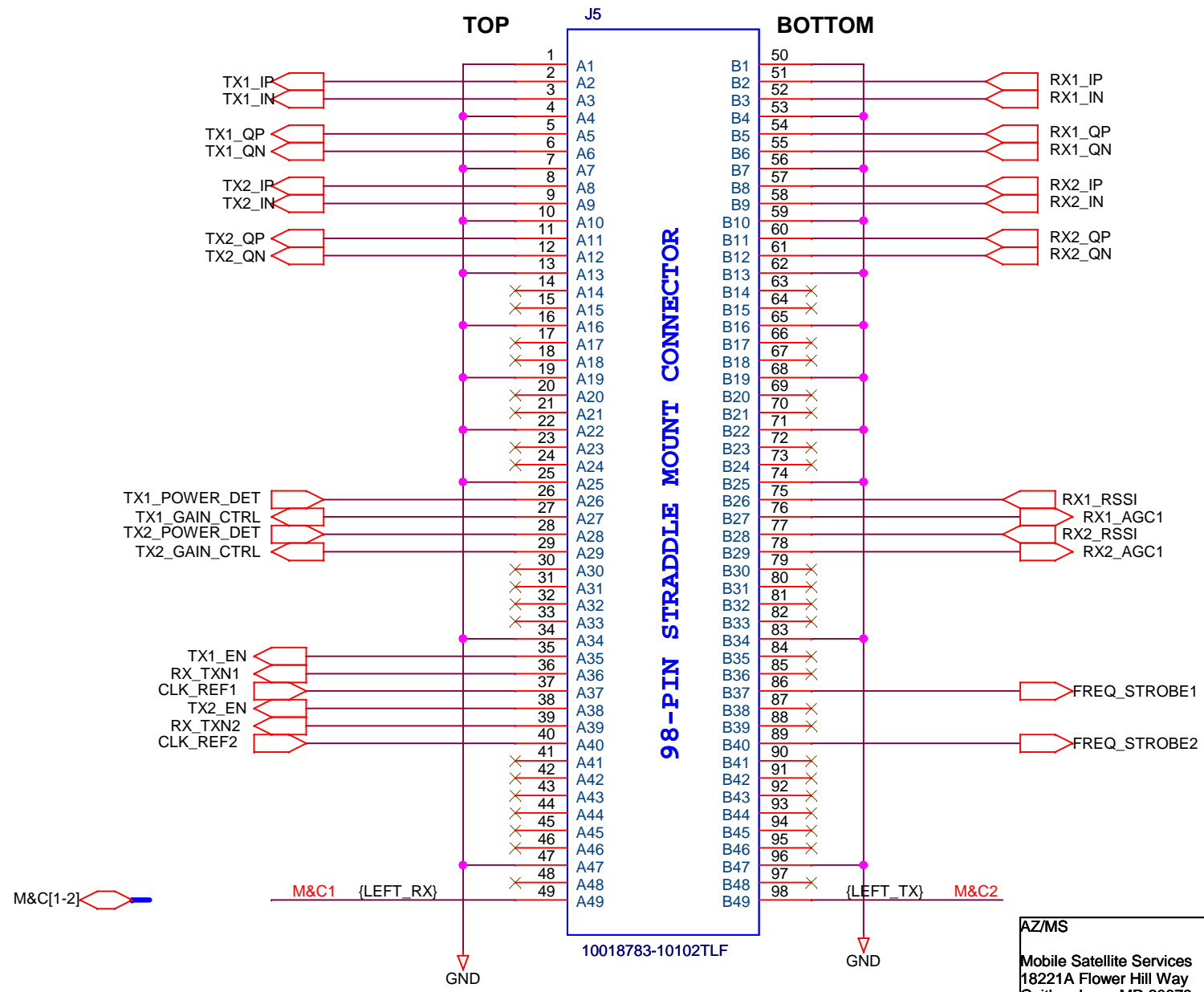


**WLAN 802.11n  
Front-End Module**



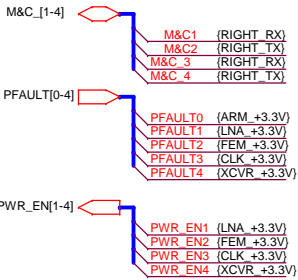
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Baseband mixed analog/digital I/Os - Left Side 98-Pin Connector

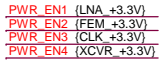


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<b>COM-3505 WLAN Transceiver / CONNECTOR</b>		
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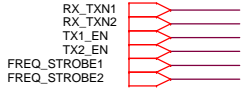
### Miscellaneous Digital I/O



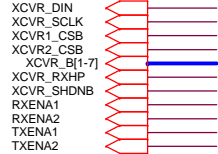
### Power Fault Indicators



### User Controls



### Transceiver Control



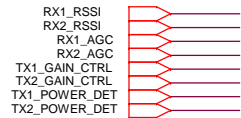
### Front-End Module Control



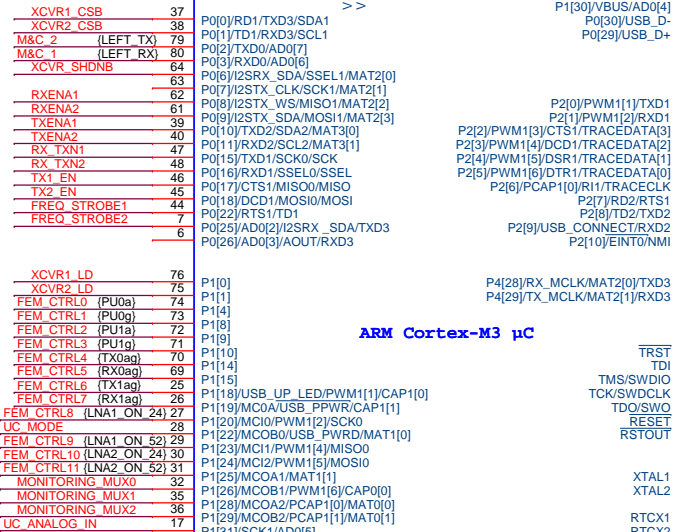
### Transceiver Monitoring



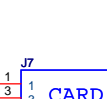
### Analog Inputs



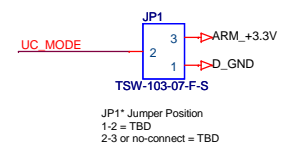
TODO: MUX



LPC1759FBD80

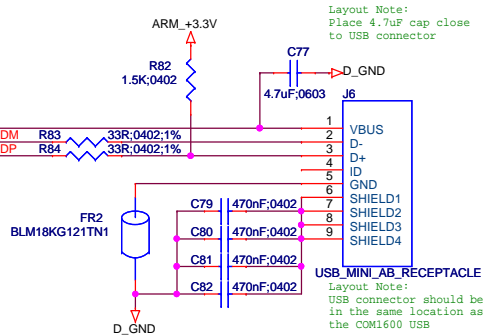


### JP1 - Operating Mode Select Jumper

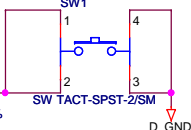


### J2: Developer's USB Port

- Microcontroller programming
- USB Flash Drive Device mode for FPGA Flash Programming (set JP1)
- Standard Comblock Monitoring and Control (using Comblock driver)
- May be connected simultaneously with Primary USB Port



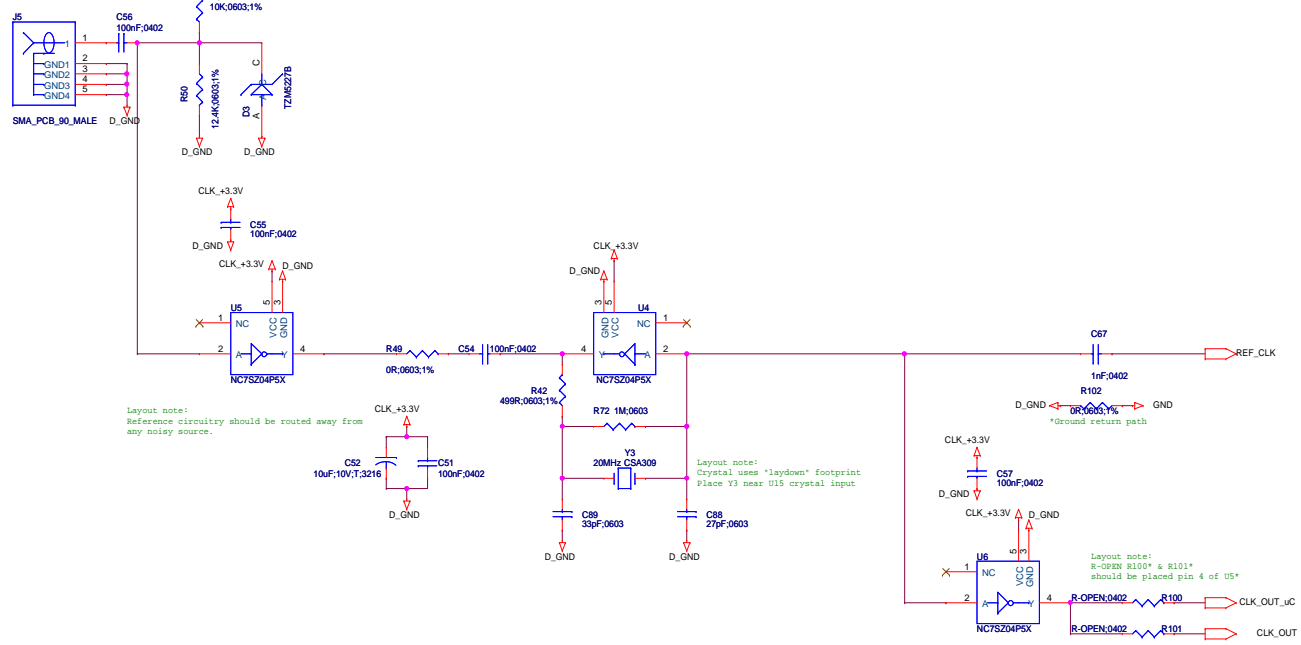
### System Reset Button



Note: System Reset Button Pressing will reset the microcontroller and subsequently the FPGA and load Personality #1, as seen in Personalities window of Comblock Control Center

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EXTERNAL 10/20MHz  
FREQUENCY  
REFERENCE



Layout note:  
Reference circuitry should be routed away from  
any noisy source.

Layout note:  
Crystal uses "laydown" footprint  
Place Y3 near U15 crystal input

Layout note:  
R-OPEN R100\* & R101\*  
should be placed pin 4 of U6\*

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