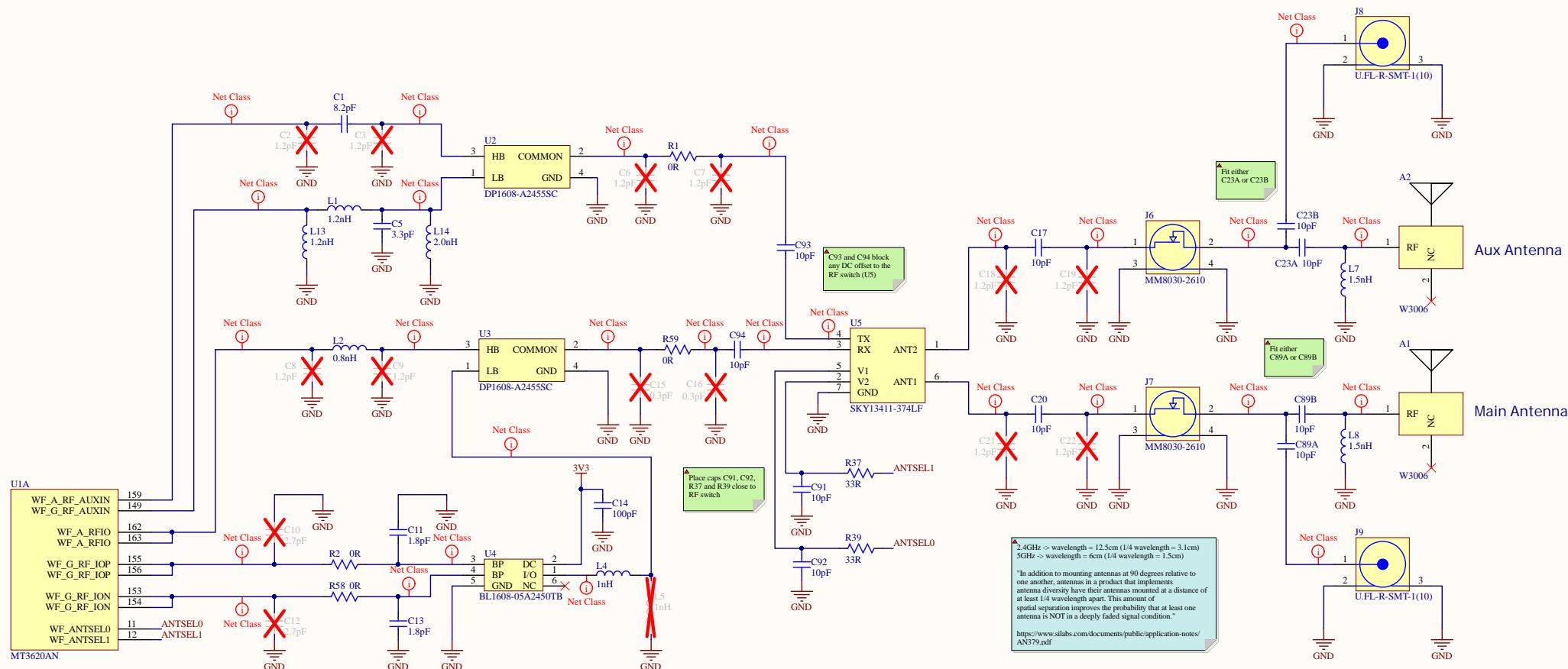
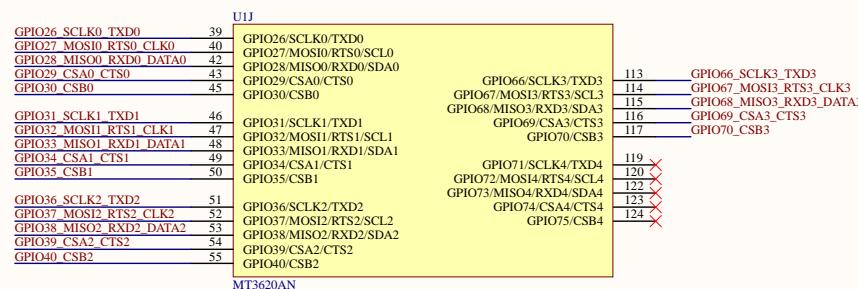


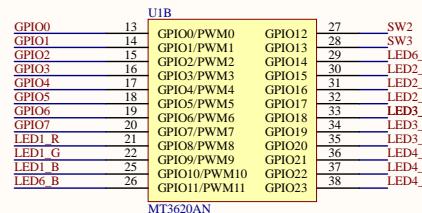
A



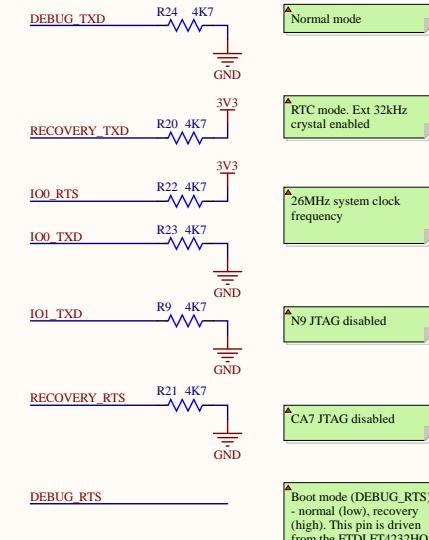
## Configurable I/O Blocks



## GPIOs



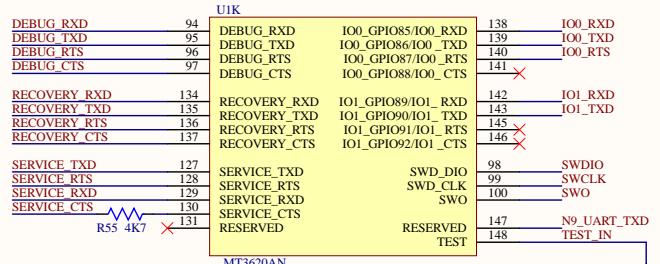
## Strapping



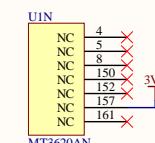
## I2S Audio



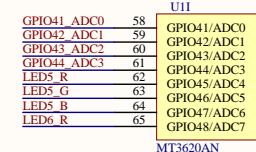
## Support Interface



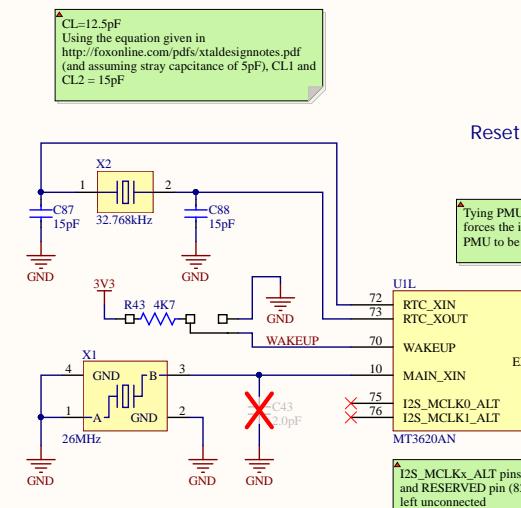
## NC Pins

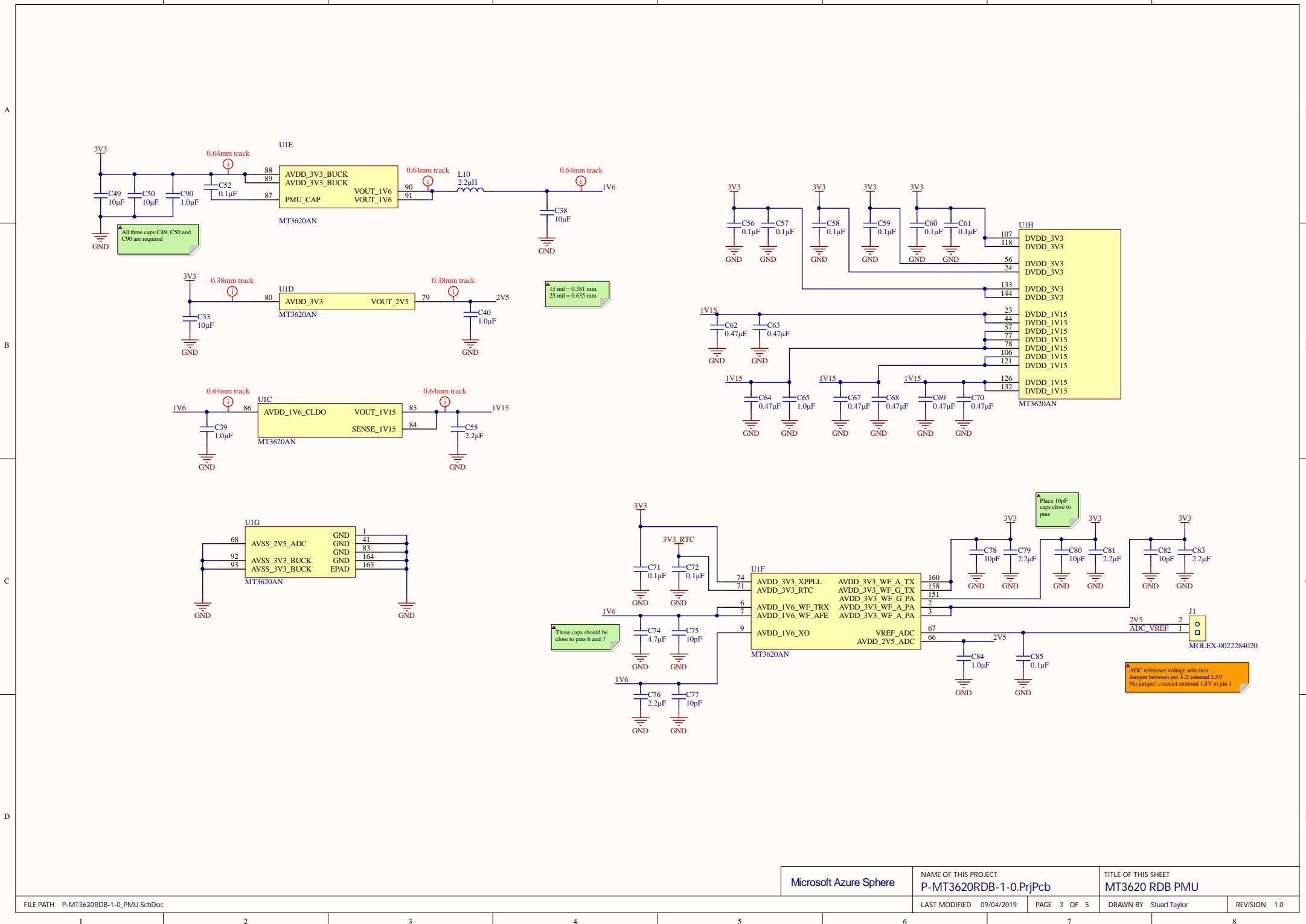


## ADCs and GPIOs

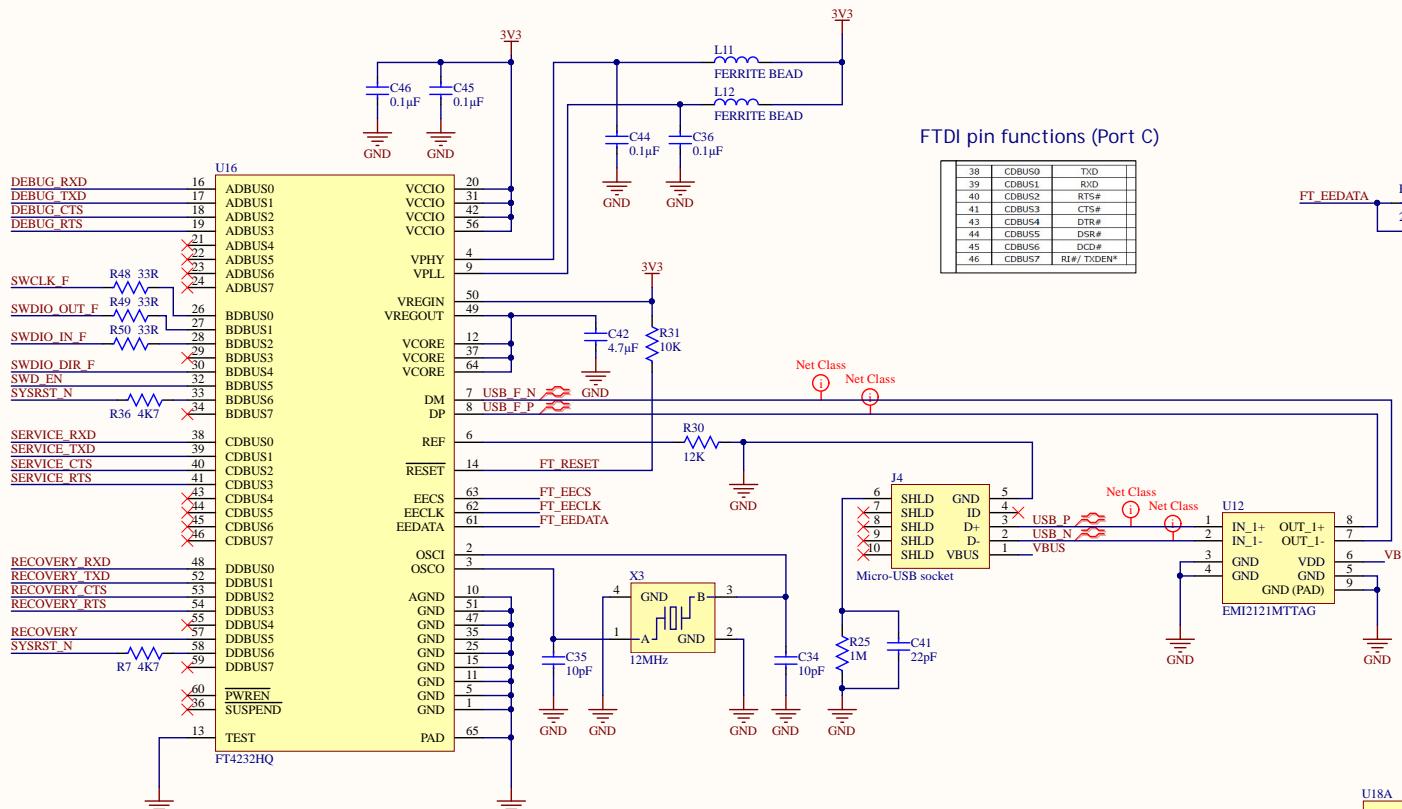


## Reset, Crystals and PMU Control

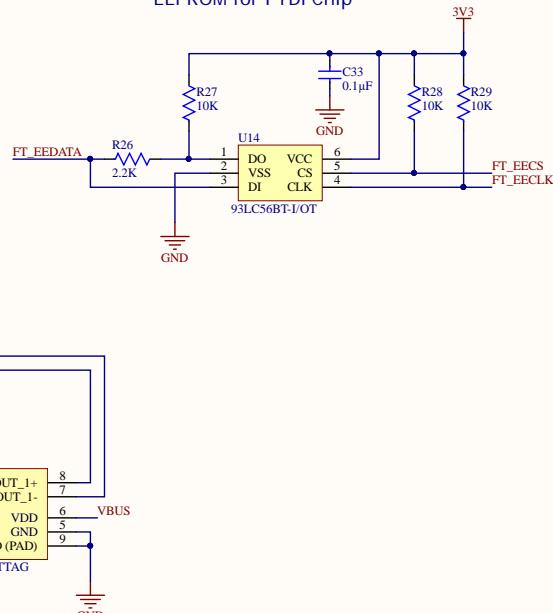




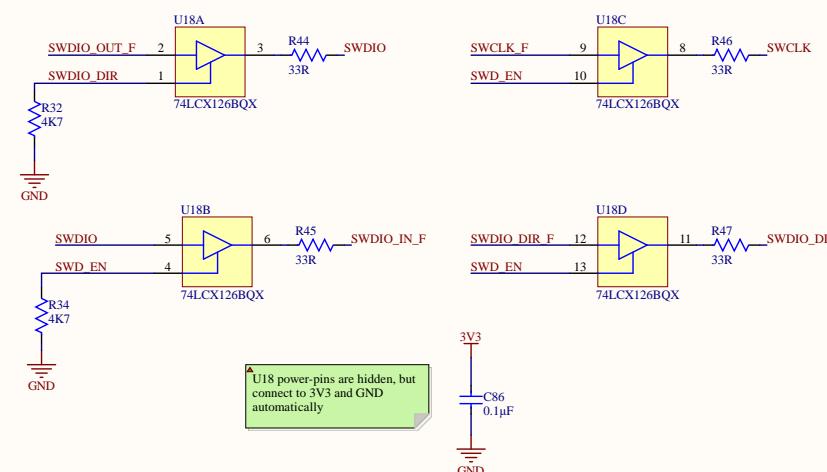
### FTDI USB Interface



### EEPROM for FTDI Chip



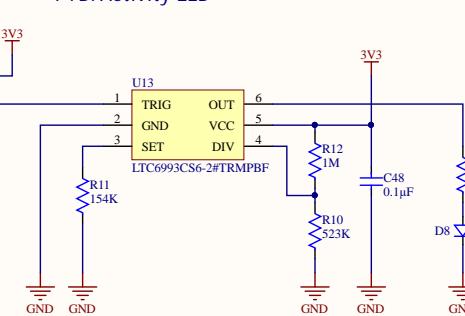
### SWD\_DIO Tri-state Buffer

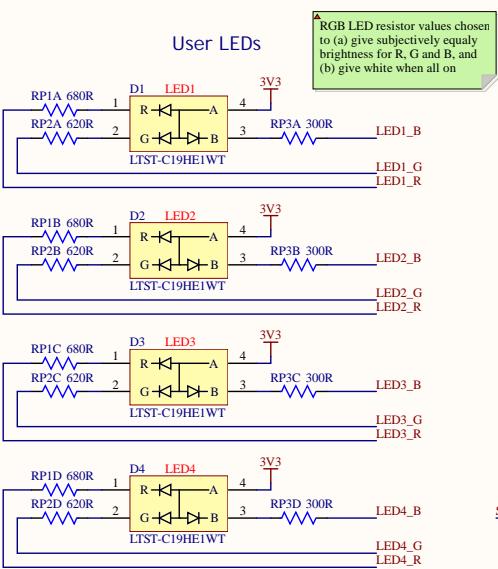
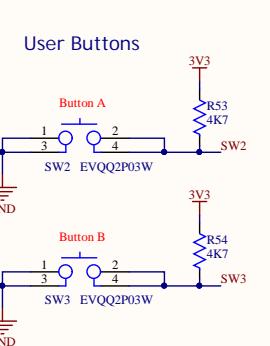
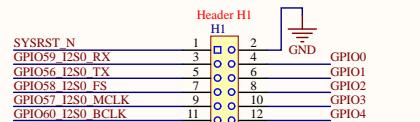


### FTDI Recovery

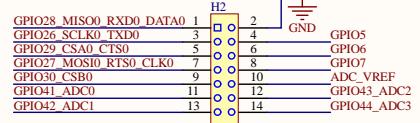


### FTDI Activity LED

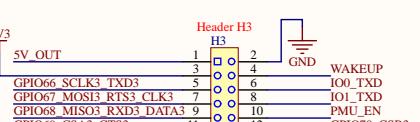


**User LEDs****User Buttons****Interface Headers**

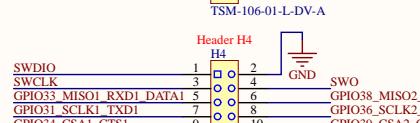
TSM-106-01-L-DV-A



TSM-107-01-L-DV-A



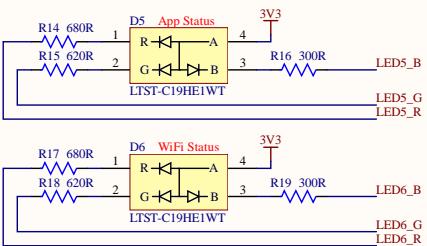
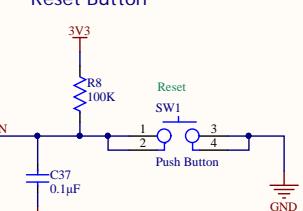
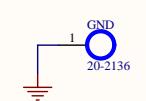
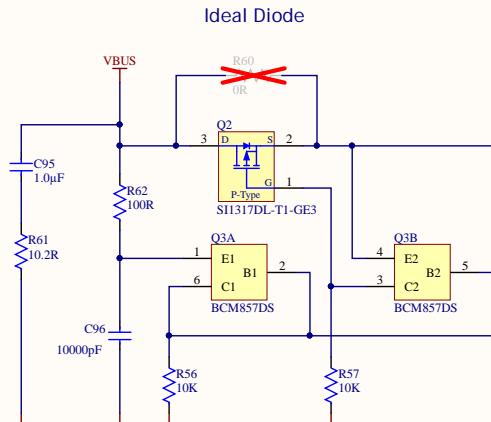
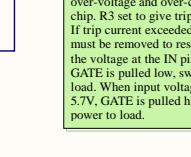
TSM-106-01-L-DV-A



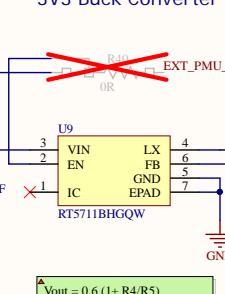
TSM-107-01-L-DV-A

**Test Points**

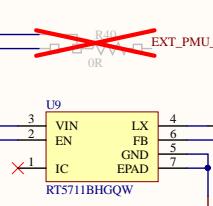
WAKEUP	1	IV15
EXT_PMU_EN	2	IV6
RECOVERY	3	2VS
N9_UART_TXD	4	3V3
SYSRST_N	5	VBUS
SWCLK	6	GND
SWDIO	7	FT_RESET
SWO	8	TEST_IN
ANTSEL1	9	3V3_RTC
ANTSEL0	10	RECOVERY_RXD
DEBUG_RXD	11	RECOVERY RTS
DEBUG_TXD	12	RECOVERY_CTS
DEBUG_RTS	13	SERVICE_RXD
DEBUG_CTS	14	SERVICE_TXD
RECOVERY_RTS	15	
RECOVERY_CTS	16	
SERVICE_RTS	31	
SERVICE_CTS	32	
FT_EECS	33	
FT_EECLK	34	
FT_EEDATA	35	
GND	36	
GND	37	
IO0_RXD	38	
IO1_RXD	39	
IO2_RXD	40	

**WiFi and App Status LEDs****Reset Button****Ground Test Point****Negative-Voltage / Over-Voltage / Over-Current Protection****5V Power Socket**

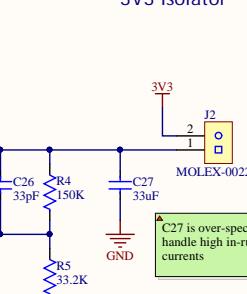
SI3590DV-T1-E3  
LTC4361CDC-1  
A reverse voltage, over-voltage and over-current protection chip. If trip current exceeded, input power must be removed to reset the device. If the voltage at the IN pin exceeds 5.8V, GATE is pulled low, switching off the load. When input voltage returns below 5.7V, GATE is pulled high restoring power to load.

**3V3 Buck Converter**

SI3590DV-T1-E3  
LTC4361CDC-1  
Vout = 0.6 (1 + R4/R5)  
= 0.6 (1 + 4.518)  
= 3.311V



LT5711BGQW  
VIN EN LX FB GND EPAD  
R4 2.2μH  
C25 10pF  
L9 2.2μH  
C26 33pF  
R5 150K  
C27 33μF

**3V3 Isolator**

J2 requires a jumper fitted by default  
C27 is over-specified to handle high in-rush currents

**3V3 Power Supply LED**