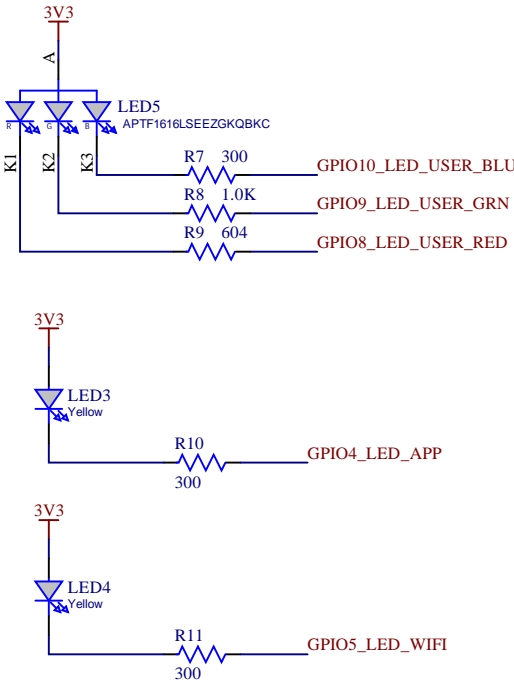
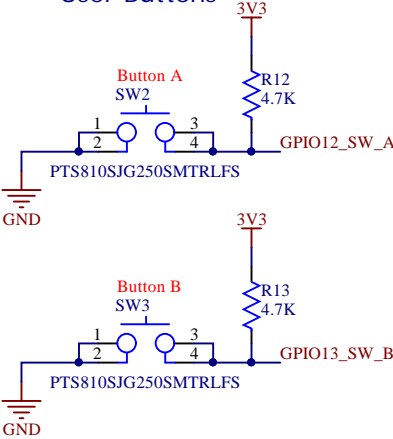




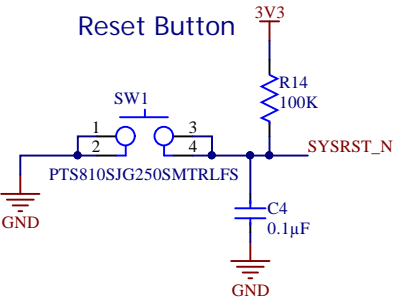
User LEDs



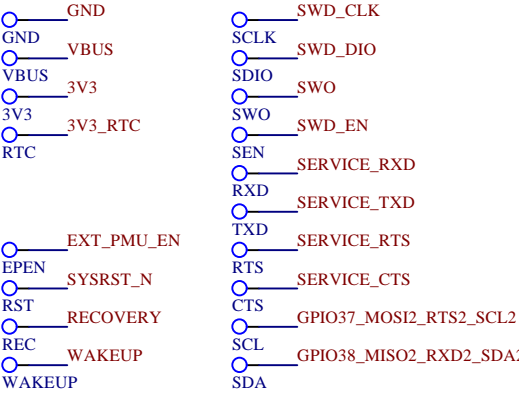
User Buttons



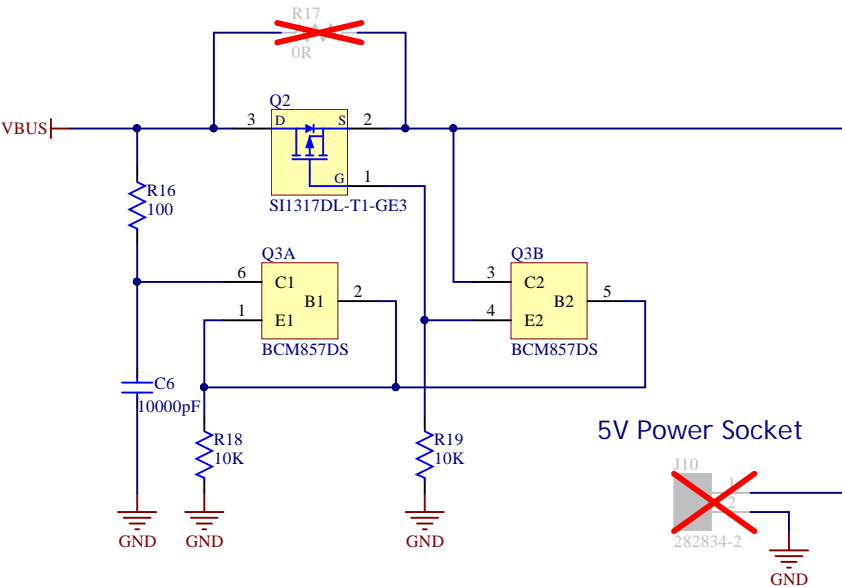
Reset Button



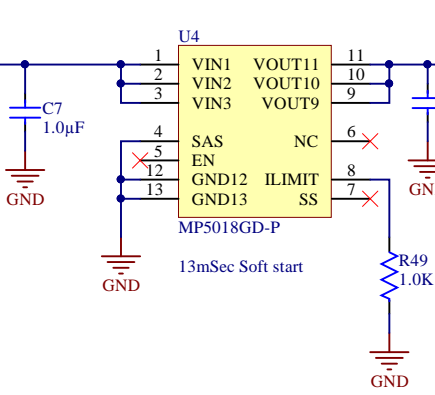
Test Points



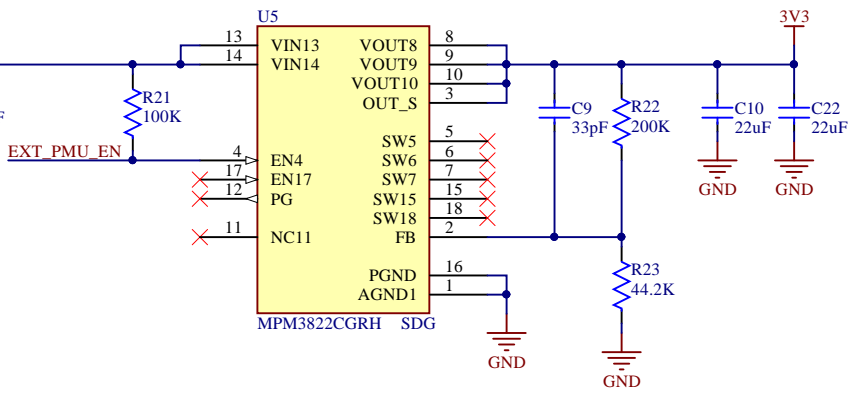
Ideal Diode



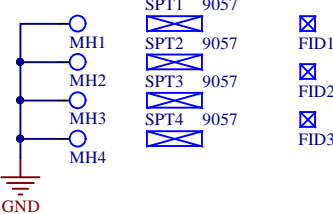
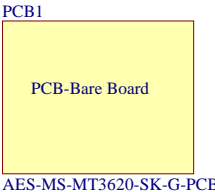
Over / Under Voltage Protection



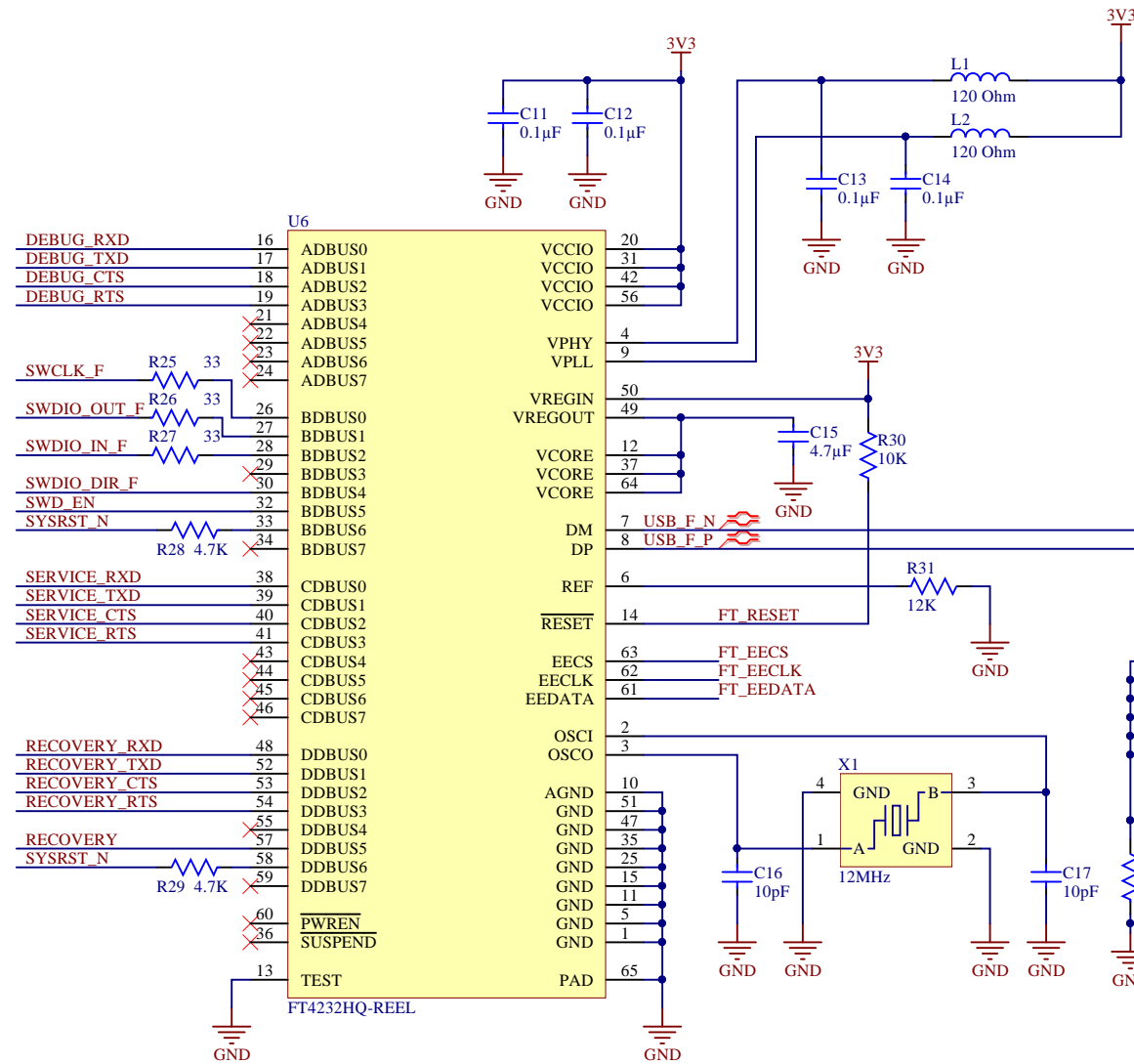
3V3 Buck Converter



3V3 Power Supply LED



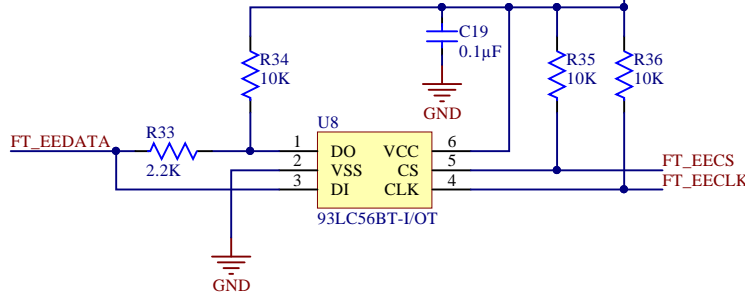
## FTDI USB Interface



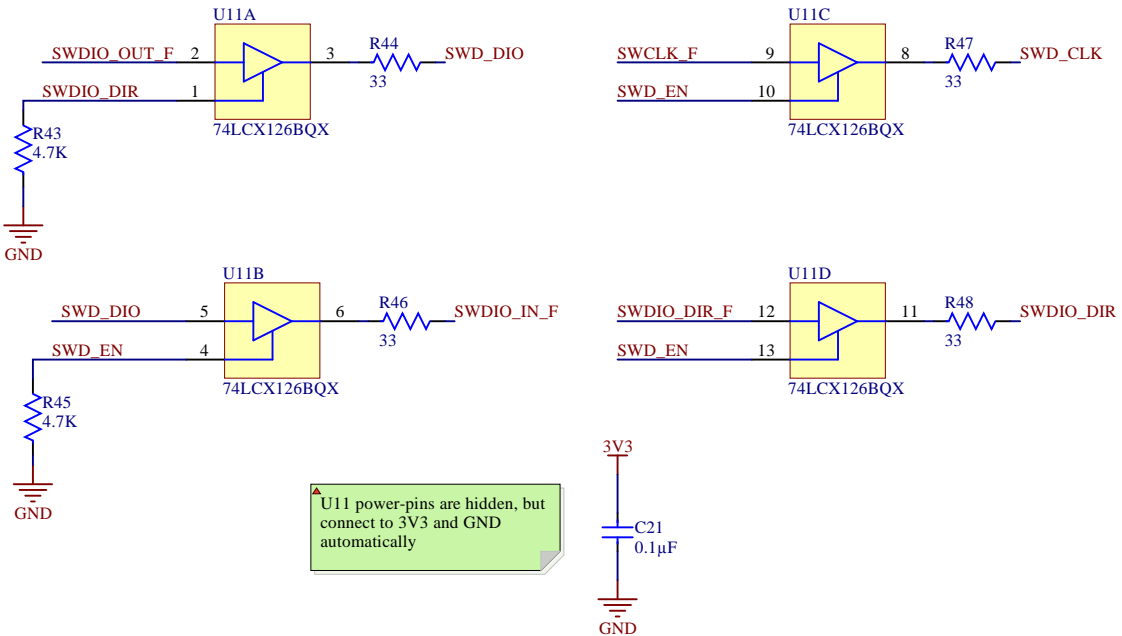
## FTDI pin functions (Port C)

38	CDBUS0	TXD	
39	CDBUS1	RXD	
40	CDBUS2	RTS#	
41	CDBUS3	CTS#	
43	CDBUS4	DTR#	
44	CDBUS5	DSR#	
45	CDBUS6	DCD#	
46	CDBUS7	RI# / TXDEN*	

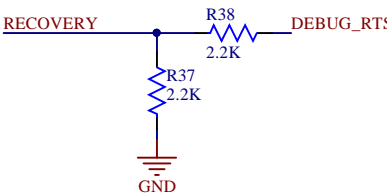
## EEPROM for FTDI Chip



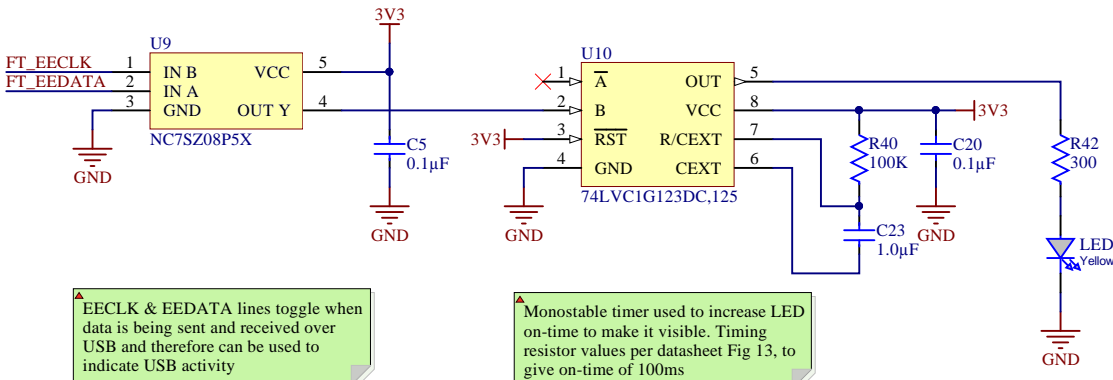
## SWD\_DIO Tri-state Buffer



## FTDI Recovery



## FTDI Activity LED



EECLK & EEDATA lines toggle when data is being sent and received over USB and therefore can be used to indicate USB activity

▲ Monostable timer used to increase LED on-time to make it visible. Timing resistor values per datasheet Fig 13, to give on-time of 100ms

▲ U11 power-pins are hidden, but connect to 3V3 and GND automatically