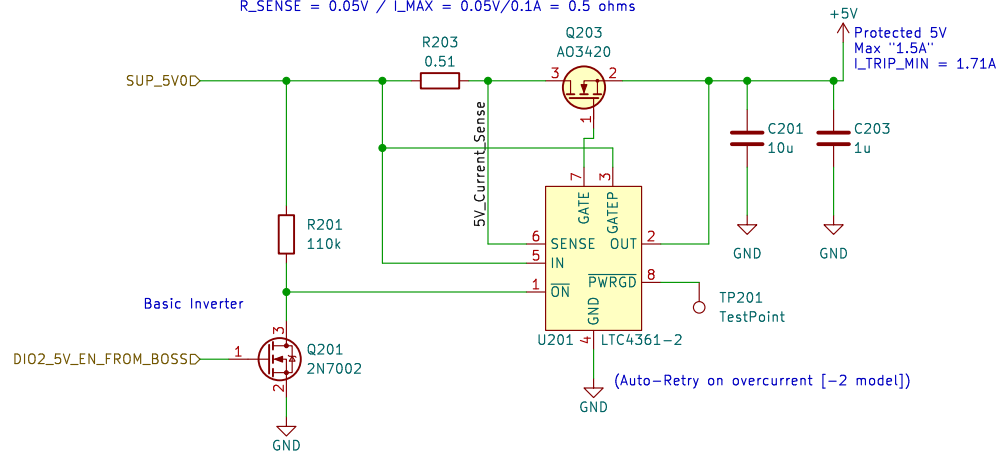
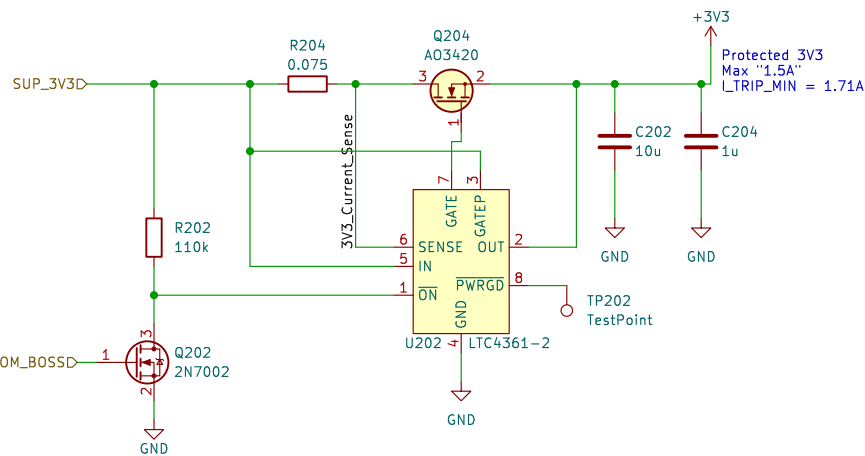


For the LTC4361 (per datasheet page 5):  
 $R_{SENSE} = (0.05V) / I_{SENSE}$

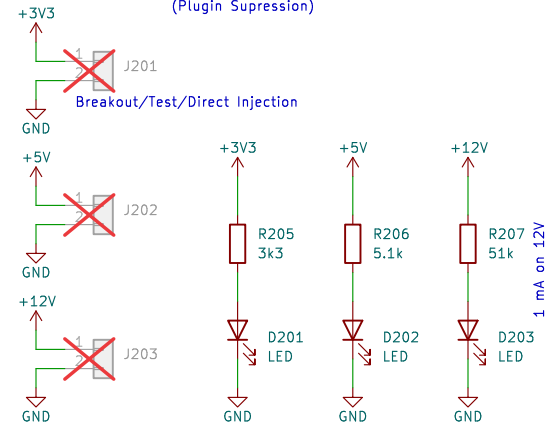
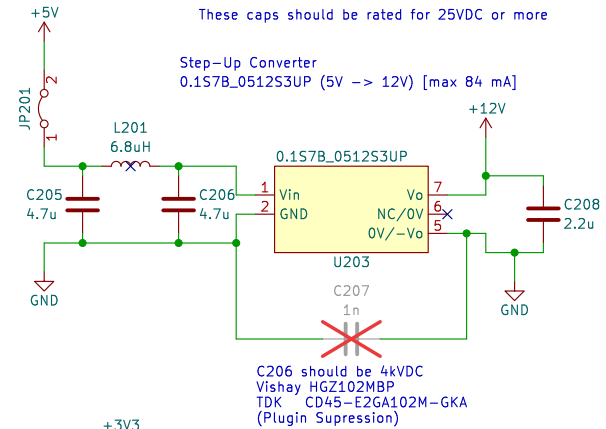
5V Current Limit:  
 Max Power = 0.5W (good for experiment safety)  
 Max Current (at 5V) =  $0.5W / 5V = 0.1A$   
 $R_{SENSE} = 0.05V / I_{MAX} = 0.05V / 0.1A = 0.5 \text{ ohms}$



(Auto-Retry on overcurrent [-2 model])



3V3 Current Limit:  
 Max Power = 2W (a little over the 1.75W max)  
 Max Current (at 3V3) =  $2W / 3V3 = 0.61A$   
 $R_{SENSE} = 0.05V / I_{MAX} = 0.05V / 0.61A = 0.081 \text{ ohms}$   
 $0.075 \text{ ohms} \Rightarrow 0.66A \Rightarrow 2.2W$

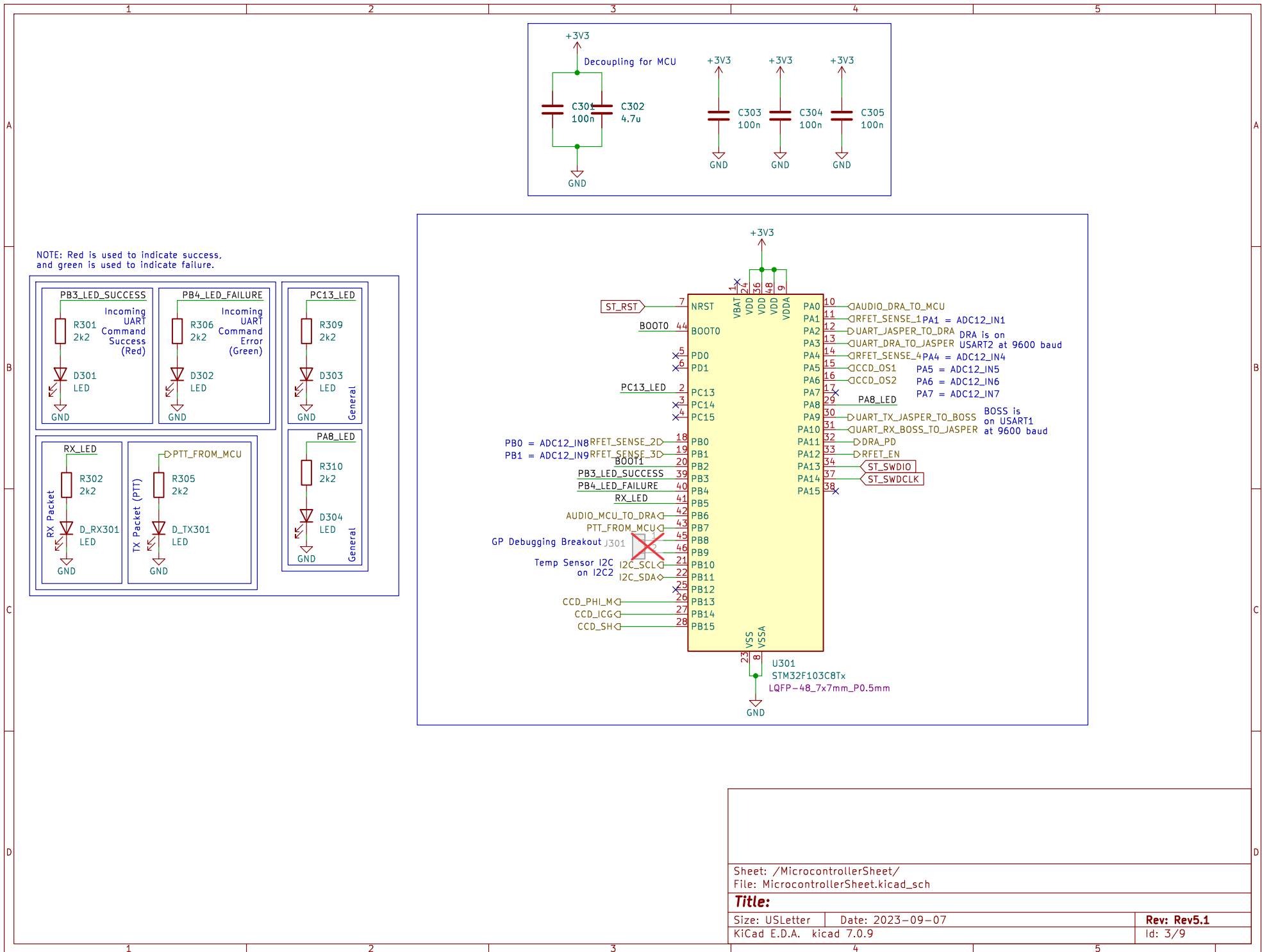


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 File: PowerSheet.kicad\_sch

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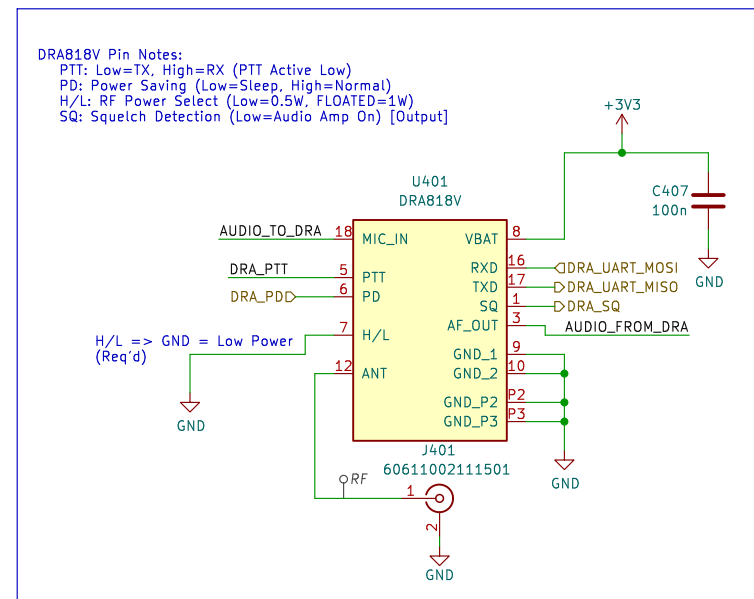
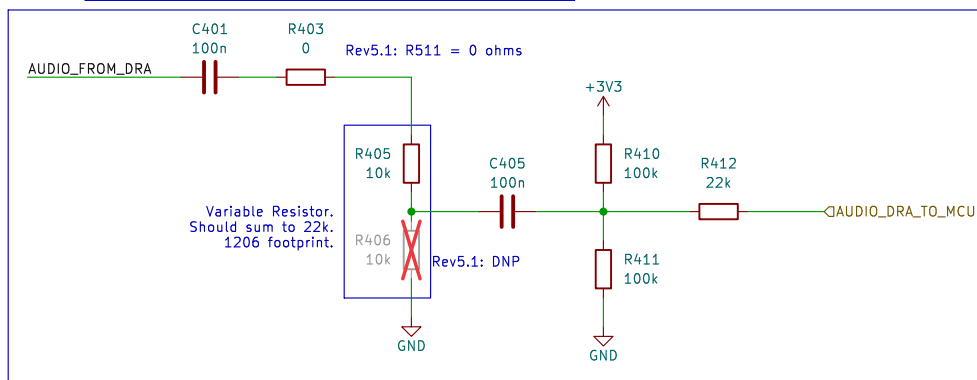
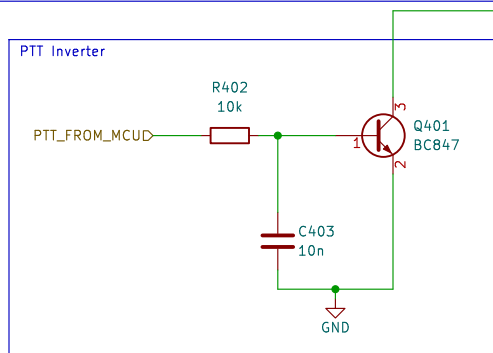
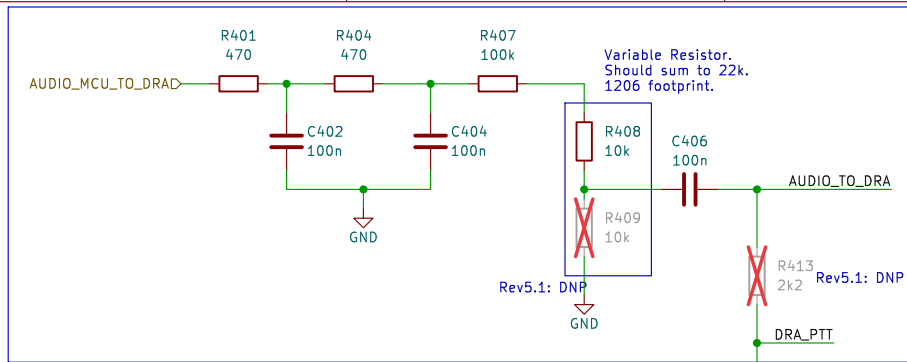


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Sheet: /RF\_System/  
File: RF\_System.kicad\_sch

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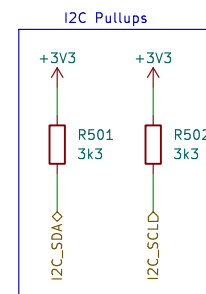
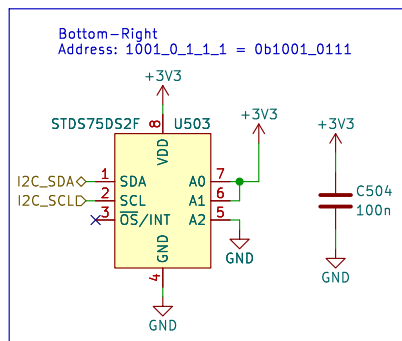
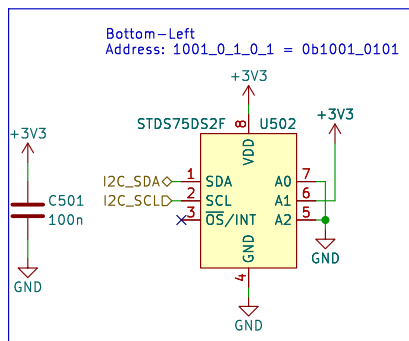
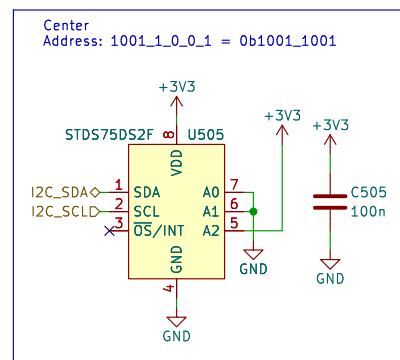
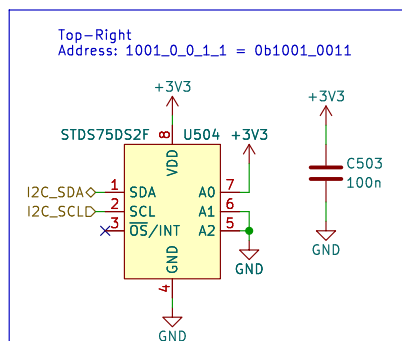
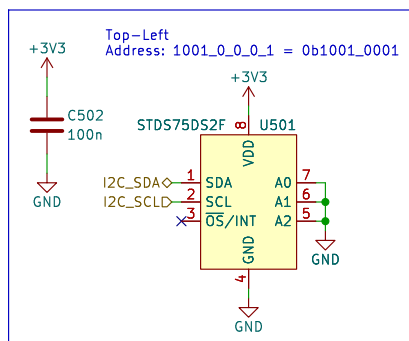
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Address: 1001\_A2\_A1\_A0\_R $\overline{W}$   
When RW=1, READ mode

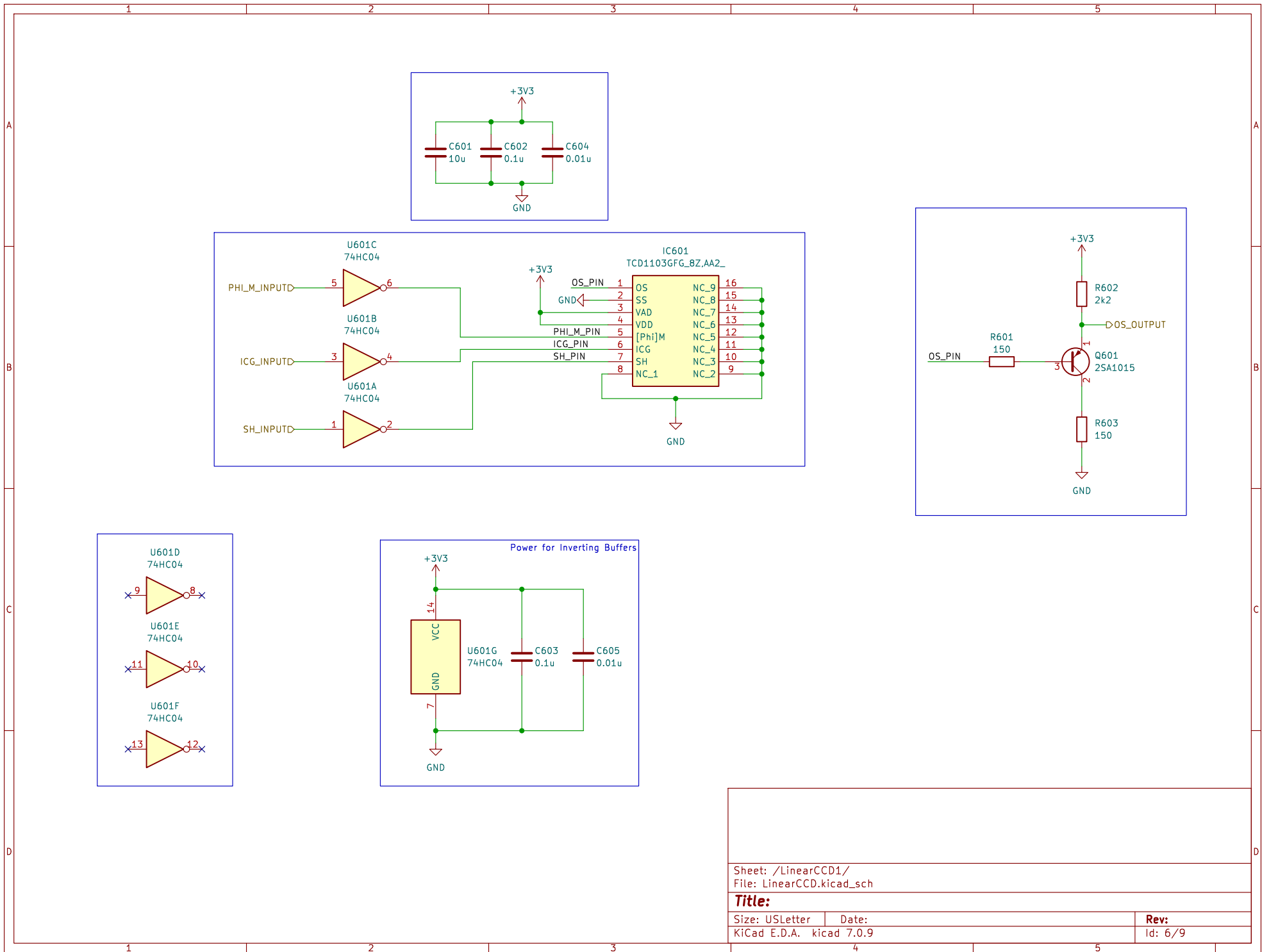


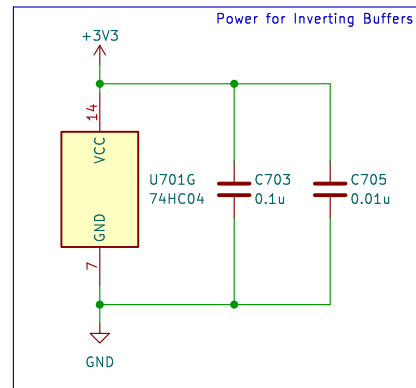
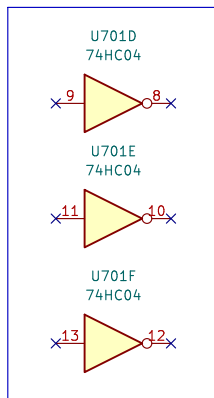
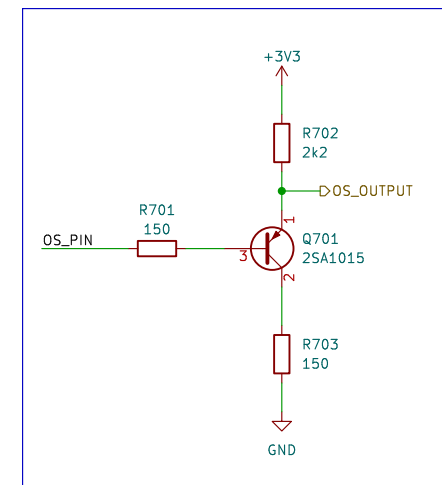
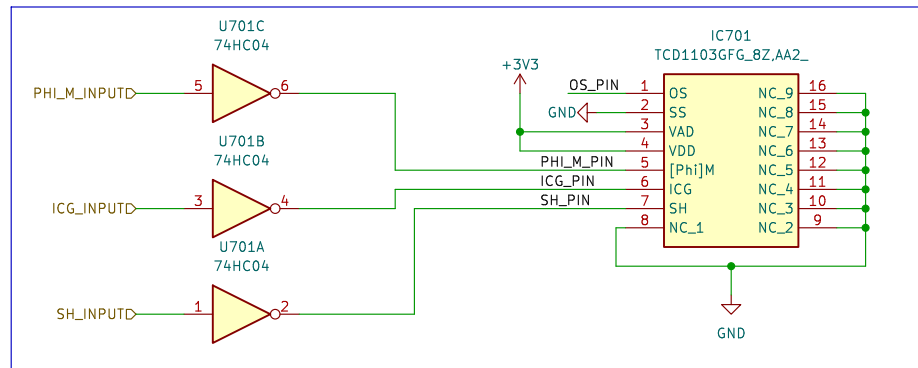
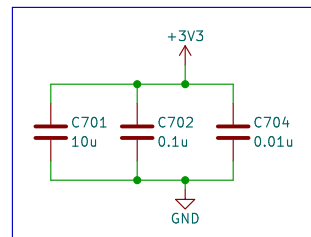
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Sheet: /LinearCCD2/  
File: LinearCCD.kicad\_sch

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