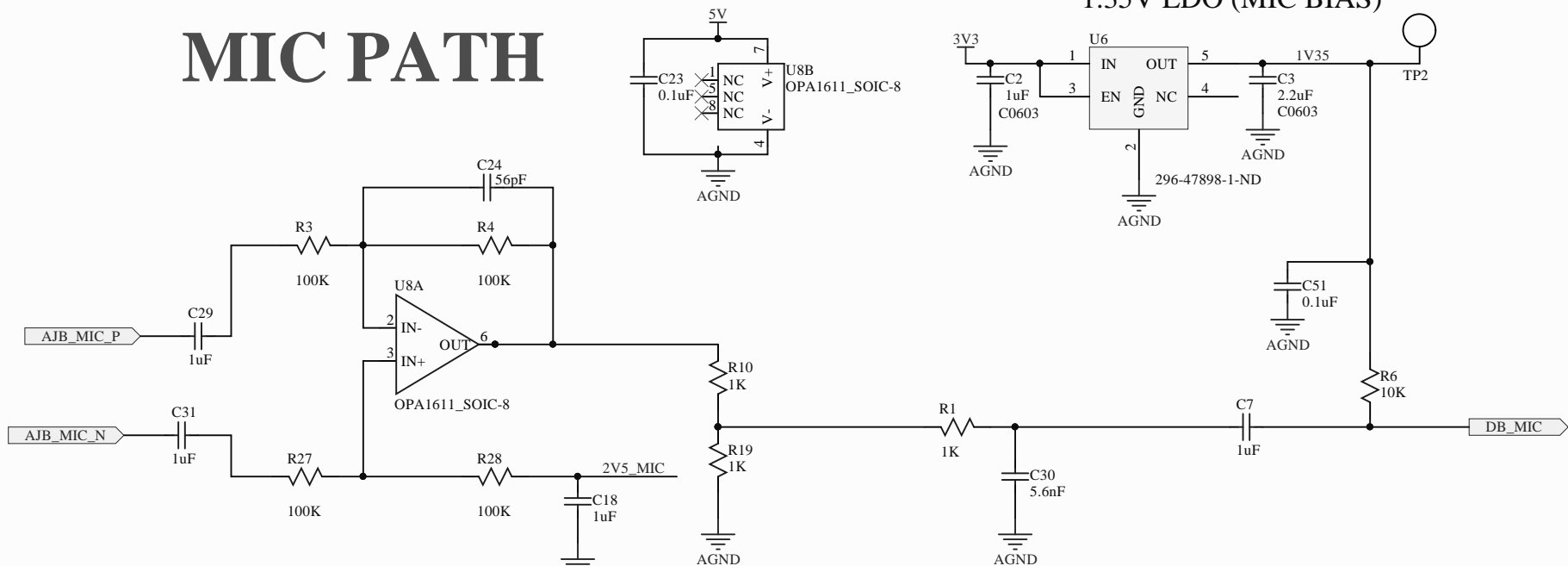
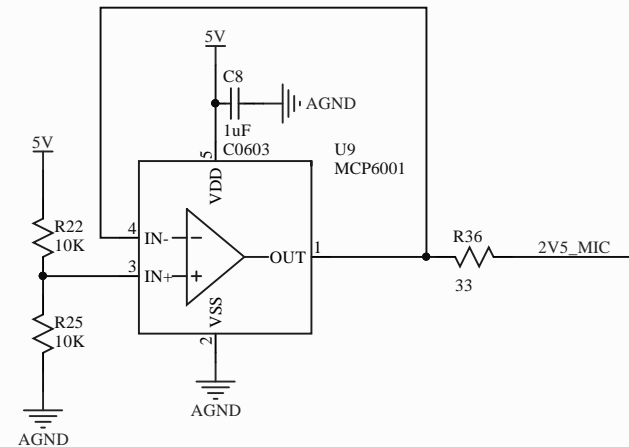


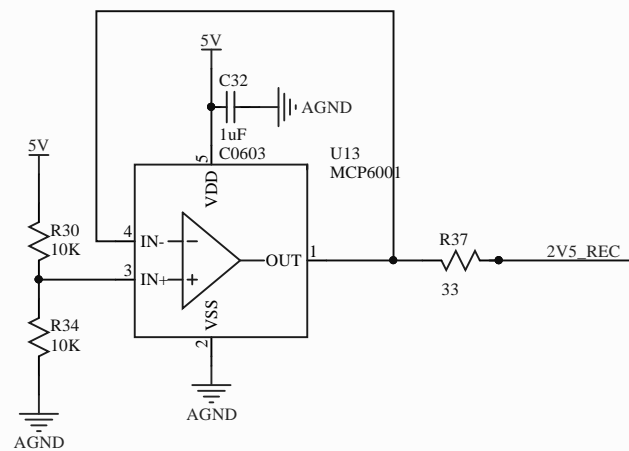
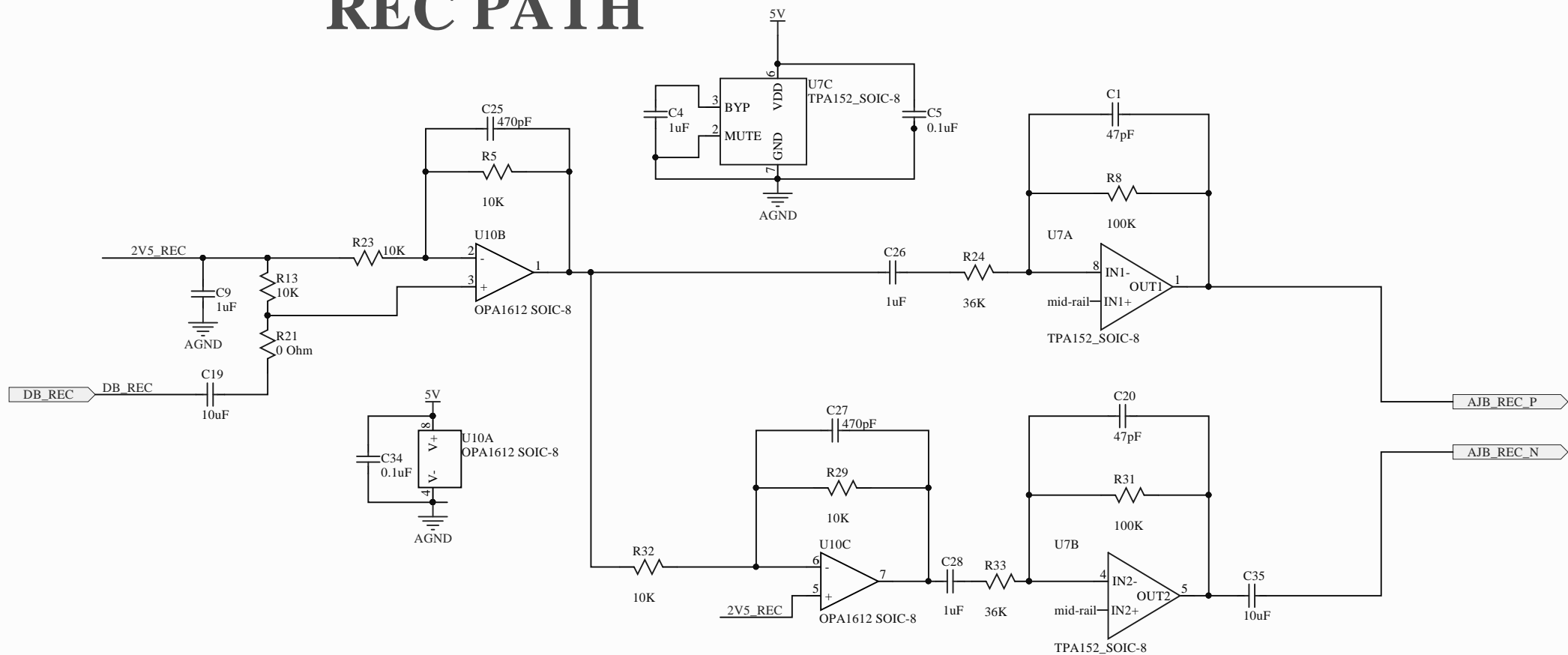
# MIC PATH



Low Pass Filter 28 kHz

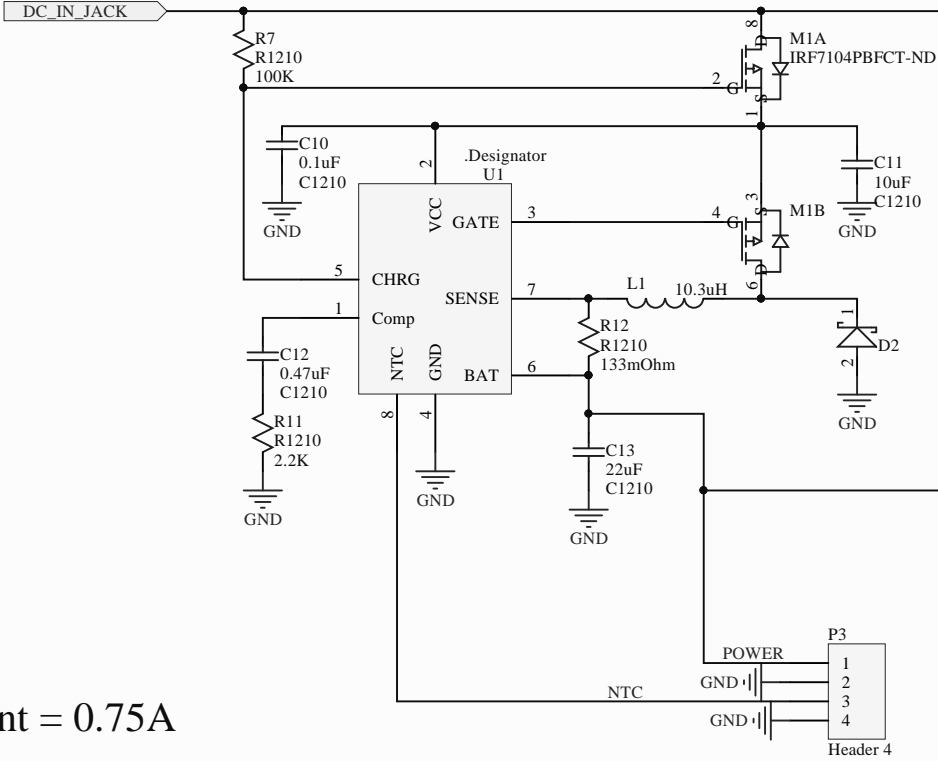


# REC PATH



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Battery Charger



Charging Current = 0.75A

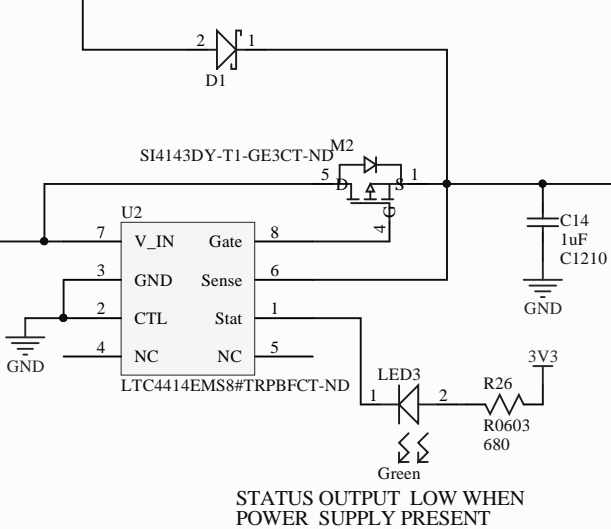
$R_{sense} = 100mV / 0.75A = 133m\Omega$

$L = [V_{BAT} / (500KHz * 0.65 * 0.75A)] * [1 - (V_{BAT} / V_{INPUT})]$

$L = 10.3\mu H$

8.4V Li-Ion Battery Connector

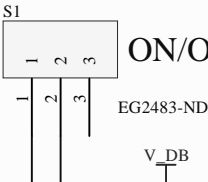
Automatic Switchover of Load Between Battery and Jack



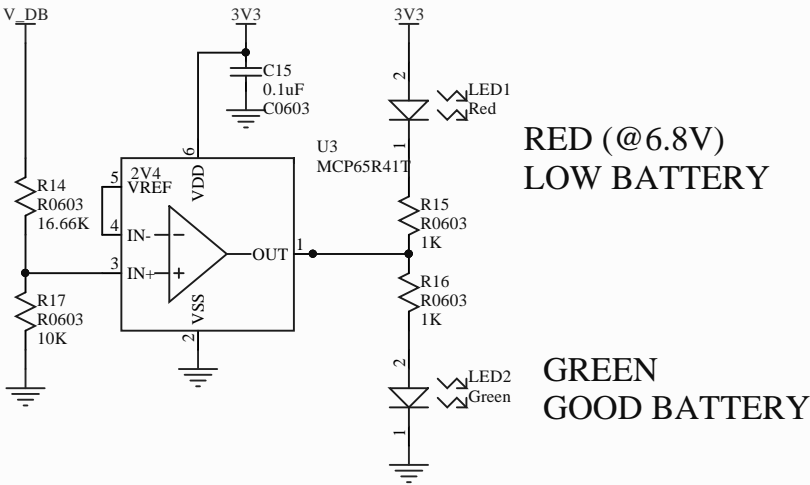
STATUS OUTPUT LOW WHEN POWER SUPPLY PRESENT

POWER SUPPLY

ON/OFF SWITCH DRAGON BOARD



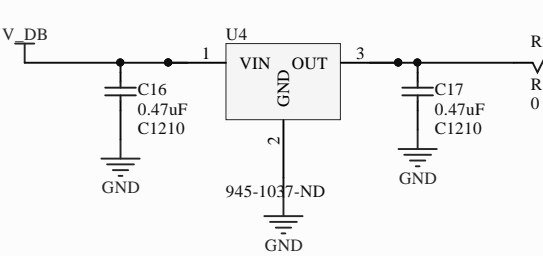
POWER INDICATOR



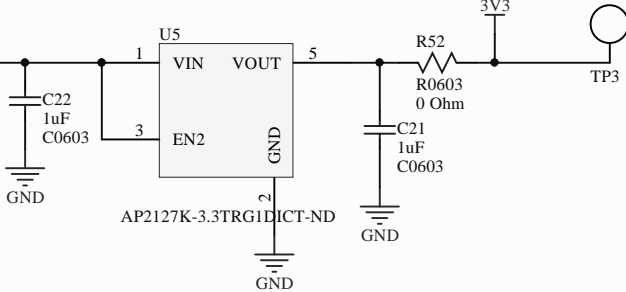
RED (@6.8V)  
LOW BATTERY

GREEN  
GOOD BATTERY

DC/DC Converter 5V (500mA)



3.3V LDO



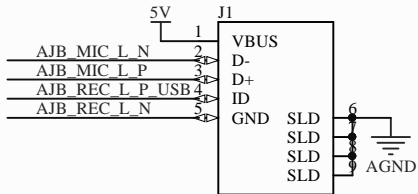
$V_{IN} > 6.4V$  is good (green)

$V_{IN} < 6.4V$  is low (red)

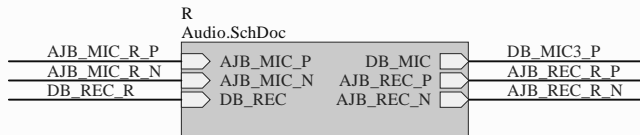
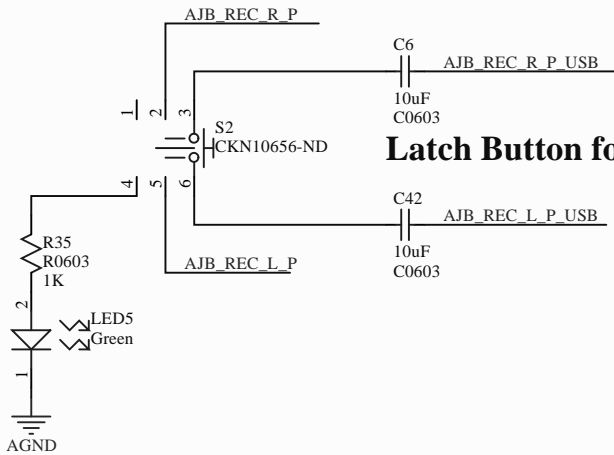
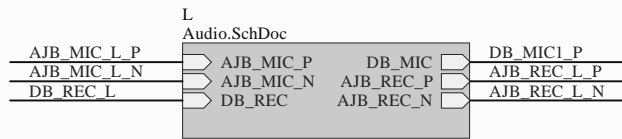
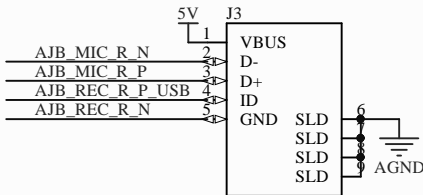
$[(R17)/(R17+R14)] * 6.4V = 2.4V$

Title		
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A3		
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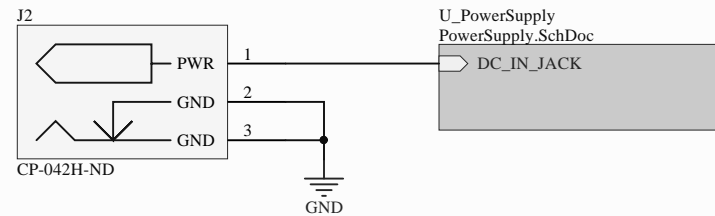
Mini USB Female Left



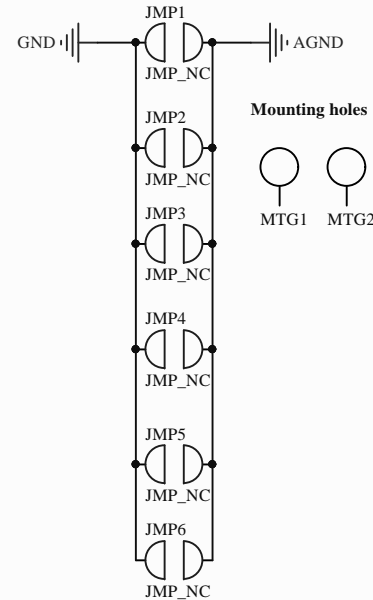
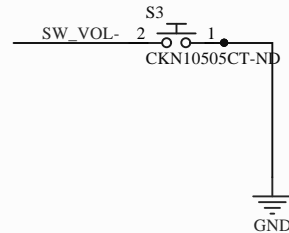
Mini USB Female Right



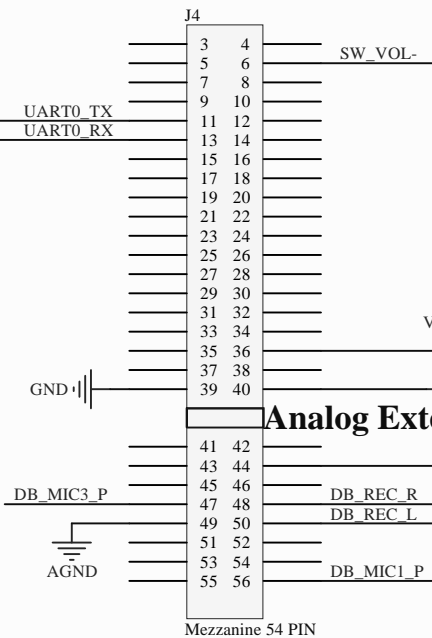
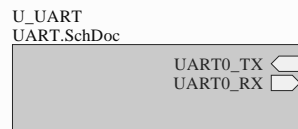
Power Jack (9-12V)



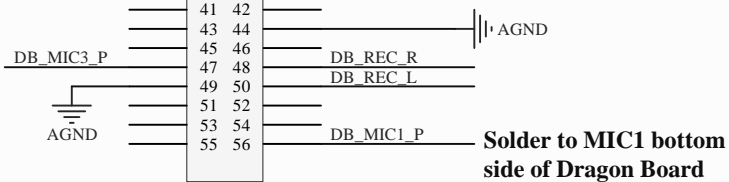
Button Volume -



Low Speed Extension Header



Analog Extension Header



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