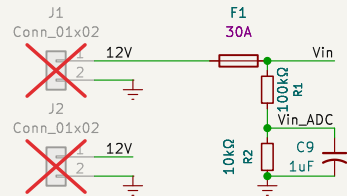
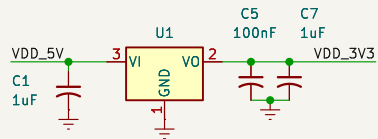


Dual Phase Buck Converter

Power In



Step Down

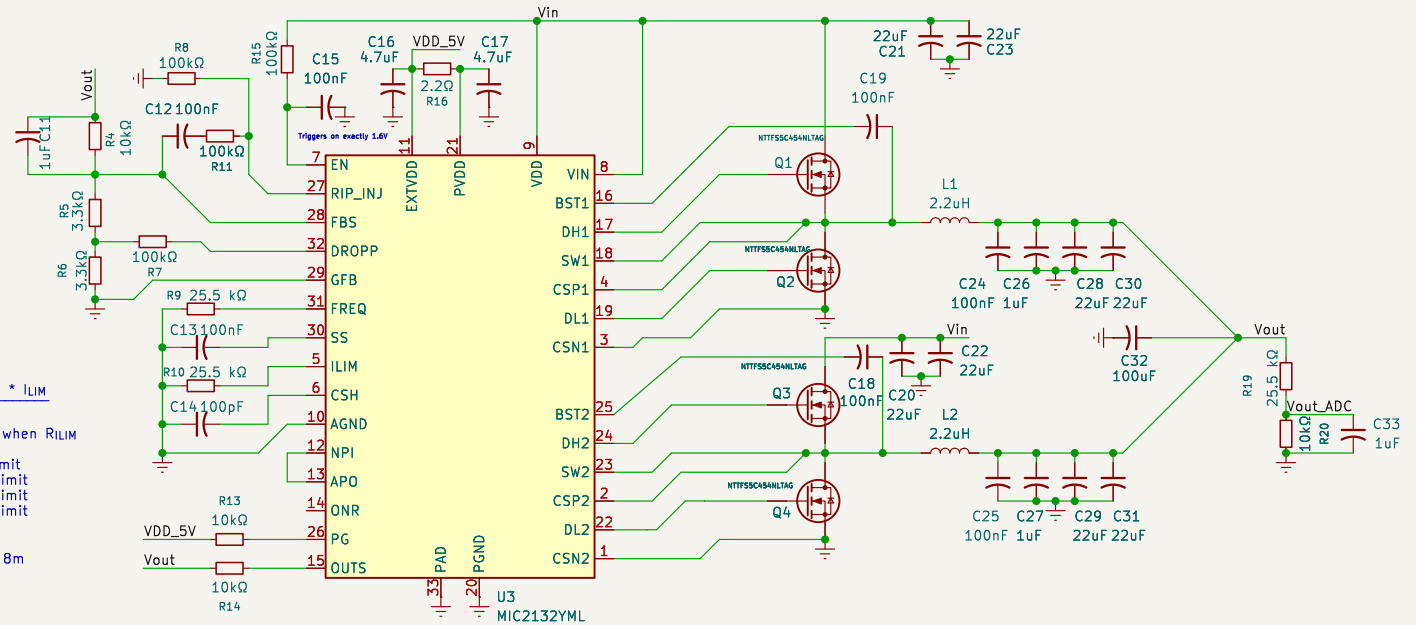


$$R_{ILIM} = \frac{1.2 - 4 \cdot R_{DS(on)} \cdot I_{LIM}}{9.6\mu A}$$

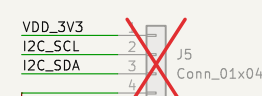
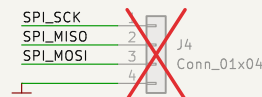
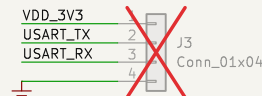
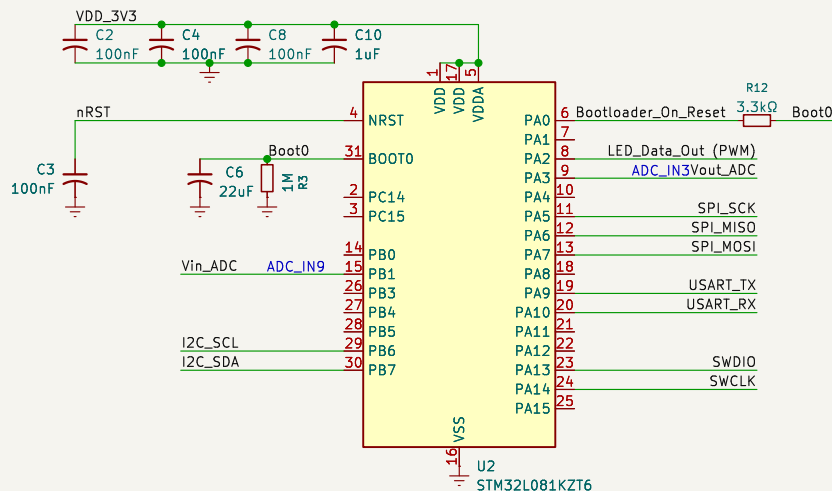
In this configuration, when R_{ILIM} is set to:
 100k \rightarrow 7A phase limit
 92k \rightarrow 10A phase limit
 75k \rightarrow 15A phase limit
 45k \rightarrow 24A phase limit

I_{LIM} =30A per phase
 $R_{DS(on)}$ assumed to be 8m
 800kHz switching
 50ms Soft Start

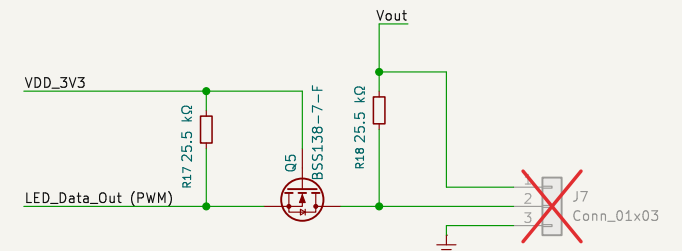
Current MOSFETs may have too low V_{gs} threshold...



Microcontroller



LED STRIP



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