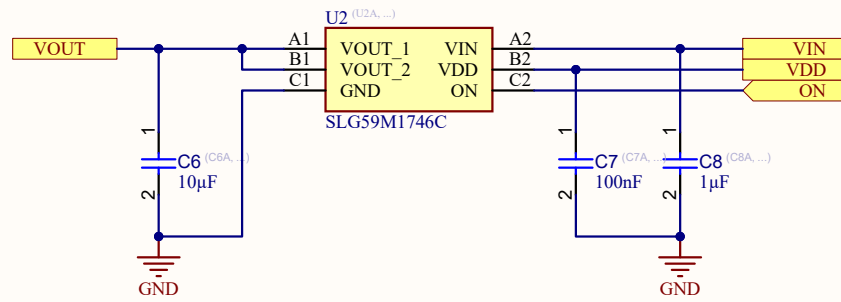


$V_{ce-sat} 0.15V @ 25C, \text{ use } 0.2V \text{ worst case @ } 100C$
 $V_{ce} > 0.8V$
 $V_{ce} < 0.8V - 0.2V = 0.6V$
 => Select $V_{ref} < 0.6V$
 GreenPak $V_{ref} = 0.608V$
 => $R_{H0}/R_{H1} \text{ min } 0.08/0.608 @ V_{ce} = 0.8V$

 Each leg of load = 1A
 => $R_{load} = 600m\Omega$
 $R_{ds(on)} = 15m\Omega$, but have to use 600mOhm due to part availability
 => cannot reach full range of 5A at 0.8V

$V_{ce} 0.6V$
 $0.6V * (5A / 5) = 0.6W$
 Use 1W for margin.



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