
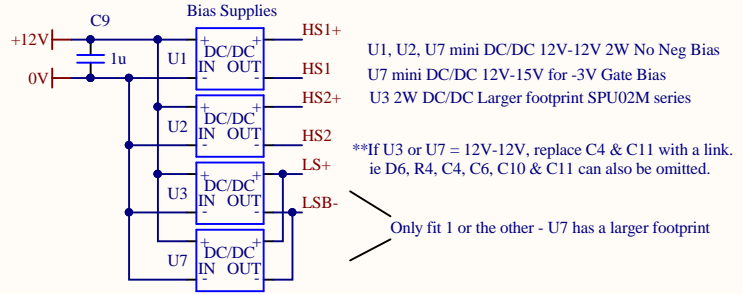


Note Q1 - Q15 have the gate lead cut off at the shoulder, only the Drain and Source legs are soldered directly to the PCB.
Resistors like this  connect between a trace/pad on the PCB, directly to each Mosfet gate shoulder.

Q1-Q16 = NCH = HY5608W (TO247)
Q17, 19, 21, 23 = NPN = 2SC6017/2SD1804 TO251 or FZT1049ATA SOT223
Q18, 20, 22, 24 = PNP = 2SA2169/MID45H11 TO251 or ZX5T951GQTC SOT223
Note: The 3 x SOT 223 pins are the same spacing as TO251 but yes the legs are a LOT shorter and a bit fiddly to solder. Their lower cost, high peak current capability and ready availability is all good though.

Note: Q1 - Q16 are mounted underside with exposed Drain surface facing away from the printed circuit board



U1, U2, U7 mini DC/DC 12V-12V 2W No Neg Bias
U7 mini DC/DC 12V-15V for -3V Gate Bias
U3 2W DC/DC Larger footprint SPU02M series
**If U3 or U7 = 12V-12V, replace C4 & C11 with a link.
ie D6, R4, C4, C6, C10 & C11 can also be omitted.

Only fit 1 or the other - U7 has a larger footprint

Title		
WG30-Rev1 SPWM 4 - 6KW		
Size	Number	Revision
A4		
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