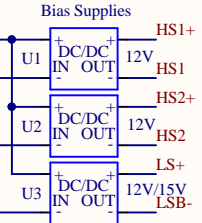


Note Q1 - Q15 have the gate lead cut off at the shoulder, only the Drain and Source legs are soldered directly to the PCB.
Resistors like this [R2] connect between a trace/pad on the PCB, directly to each Mosfet gate shoulder.

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, U3 DC/DC 12V-12V modules No Neg Bias
U3 or U3A DC/DC 12V-15V for -3V Gate Bias
**If U3 or U3A = 12V-12V (no neg bias), can replace C4 & C11 with a link. ie D6, R4, C4, C6, C10 & C11 can also be omitted.

U1,U2 & U3 are the small outline (usually 1W) DC/DC
U1A,U2A & U3A are the larger outline 1 & 2W DC/DC
U1A,U2A & U3A footprints allow for pins 4&6 or 5&7 as output pins (some modules use 4&6 others 5&7 for output)

Title			
WG30-Rev2 Inverter Power PCB			
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