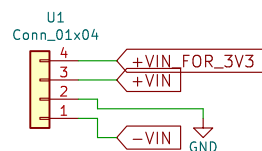
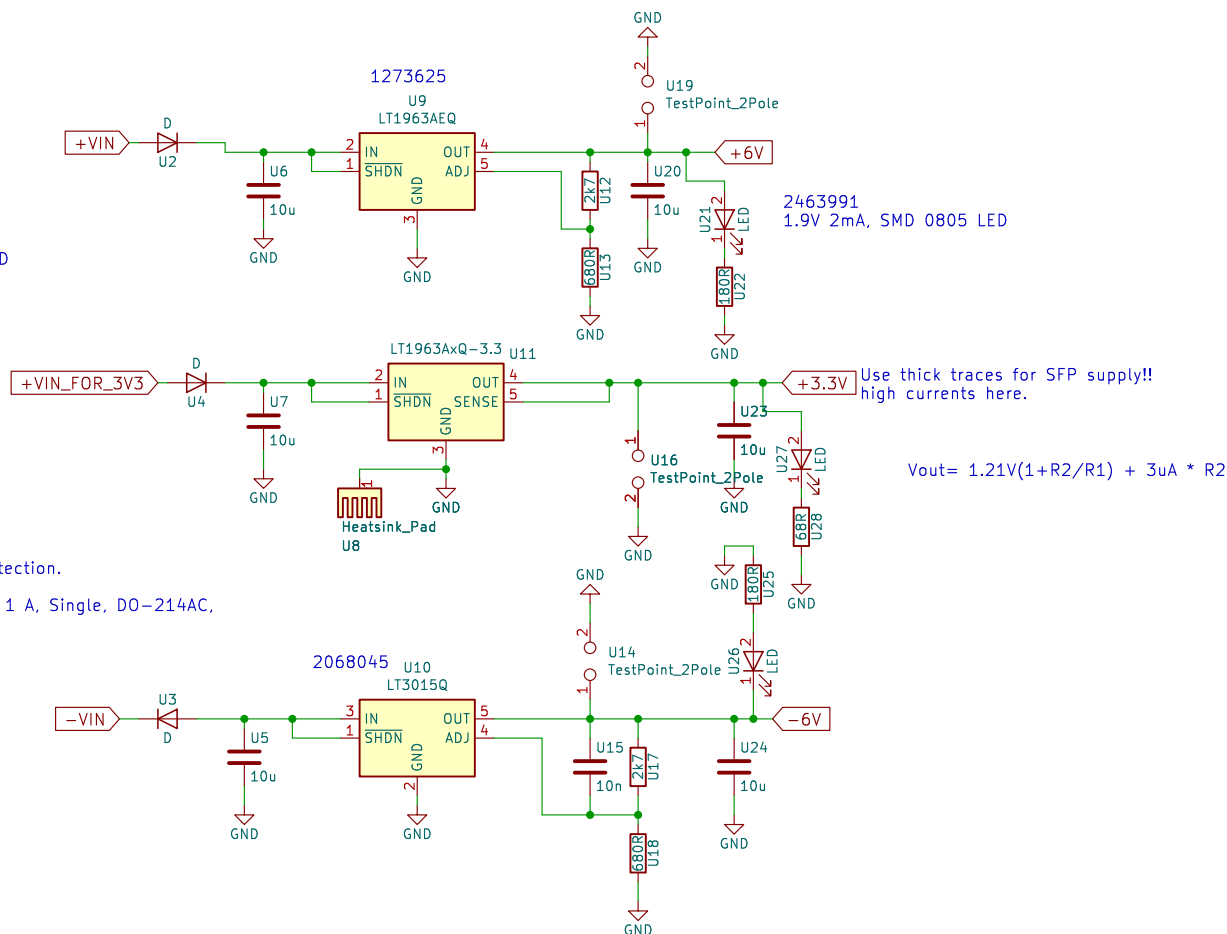


4pin 200mil terminal block 277-1249-ND



D201, D202, D206 – reverse polarity protection.
e.g. Farnell 9555986
MBRA140T3G – Schottky Rectifier, 40 V, 1 A, Single, DO-214AC,
or similar

Power Supply e.g.
Meanwell GP25A13D-R1B (DigiKey 1866-1826-ND)
<https://www.meanwell.com/Upload/PDF/GP25A/GP25A-SPEC.PDF>
Output 5VDC at 2.5A; 12VDC at 1A; -12VDC at 0.3A with DIN 5 pin plug
Pins: (check order!)
1 COM
2 COM
3 +5VDC
4 -12VDC
5 +12VDC



$$V_{out} = 1.21V(1 + R2/R1) + 3\mu A * R2$$

Use thick traces for SFP supply!!
high currents here.

2018-03: remove DC-filters, add heatsinks
Anders Wallin (anders.e.e.wallin "at" gmail.com)

Sheet: /
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Title: SFP-Board, 2018.03 – Power Supply

Size: A4 Date: 2017-03-10

KiCad E.D.A. eeschema 7.0.6

Rev:
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