

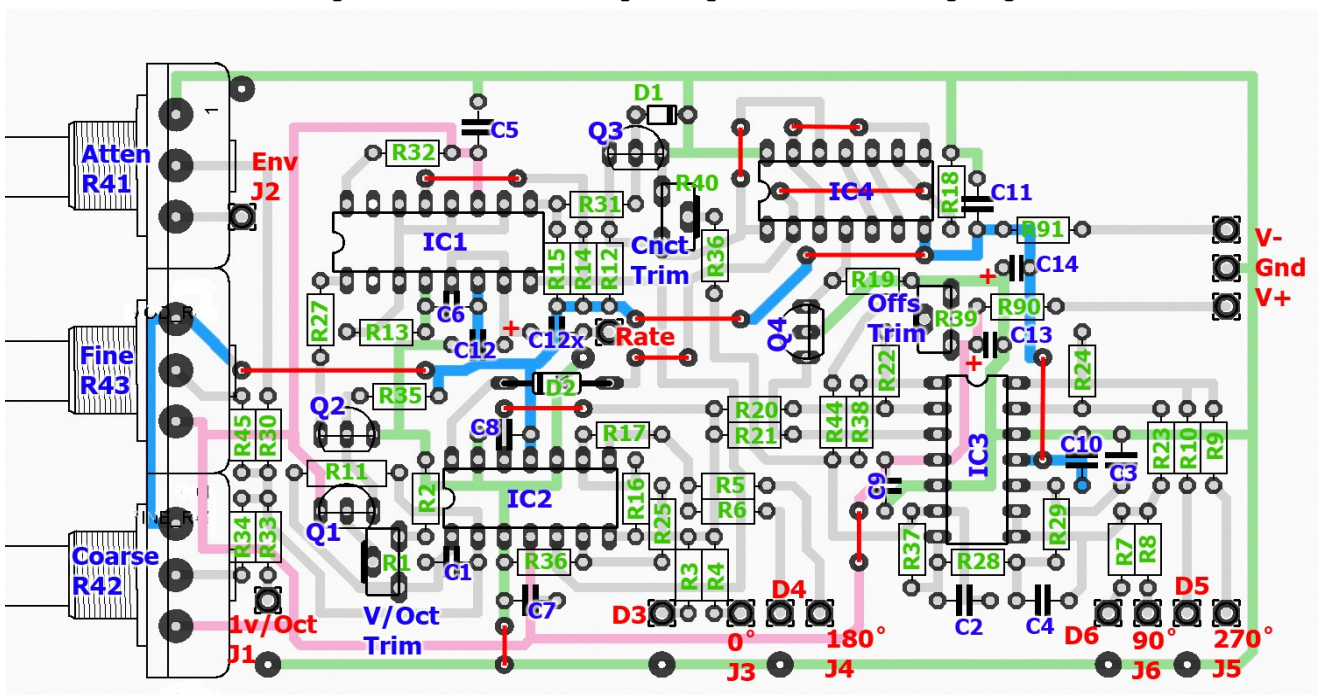
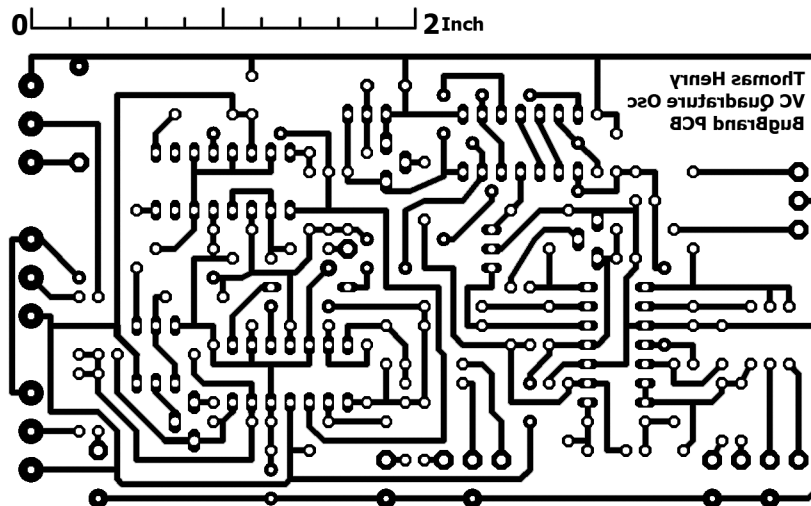
Thomas Henry Quadrature Function Generator
BugBrand Press'n'peel layout
Oct 2007

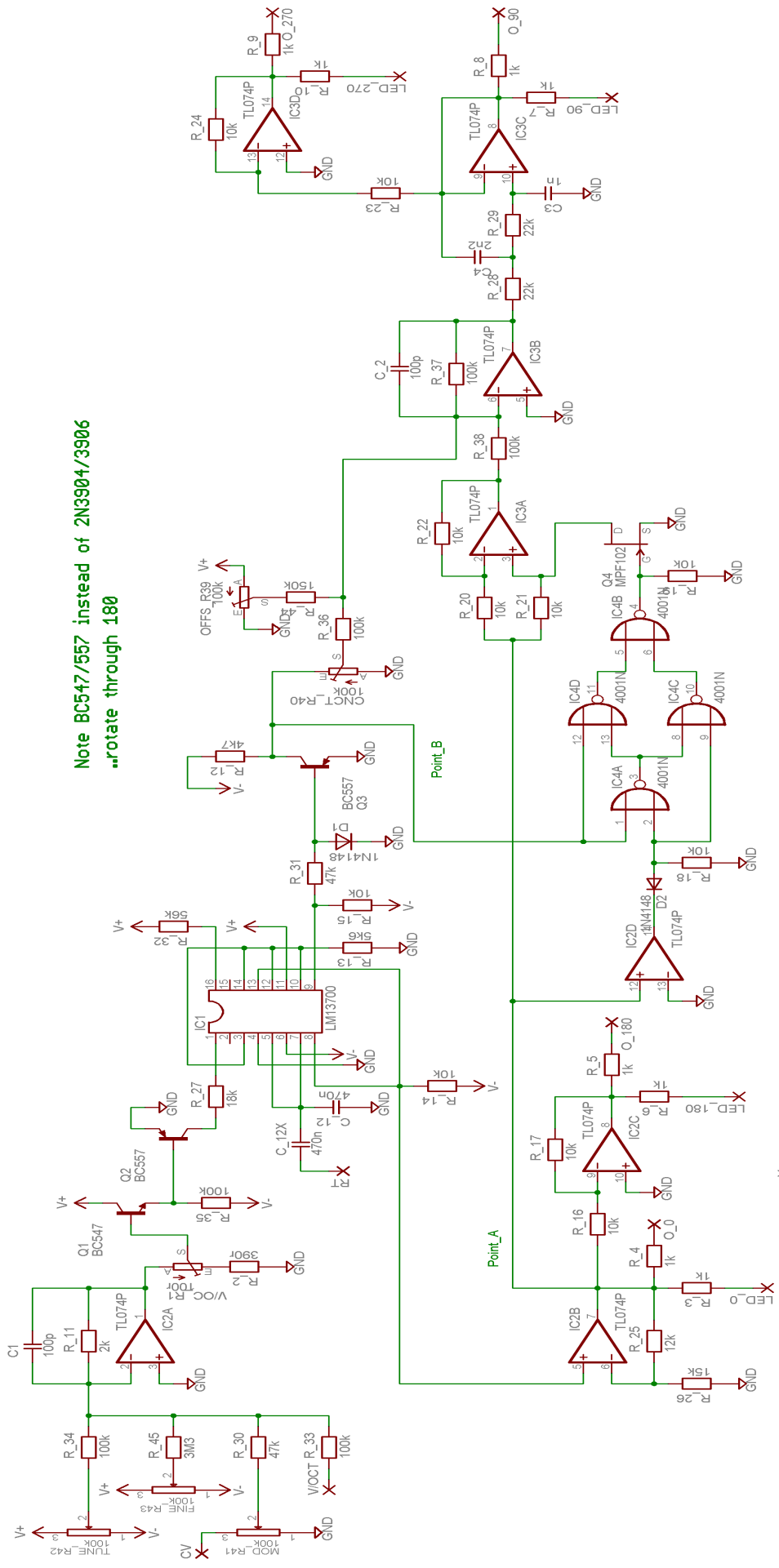
Another great Thomas Henry design. Read all about it on Scott Stites' site:
<http://mypeoplepc.com/members/scottnoanh/birthofasynth/id29.html>

Build notes:

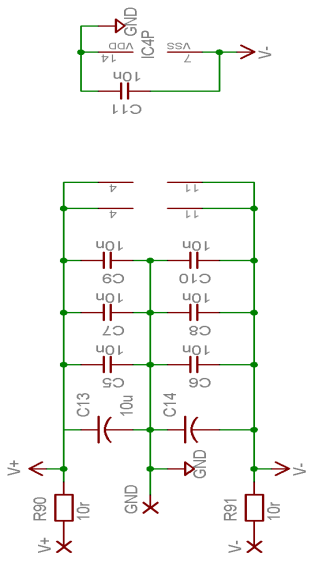
- there are 12 wire links (marked in red) including one beneath IC4
- my layout uses BC547/557 as opposed to the original 2N3904/3906 so take care with transistor orientation – if using 2N3904/6 simply rotate through 180°
- R11 can be a 2k tempco or standard 2k resistor (no temp compensation but works fine). You can add a dab of epoxy glue around Q1/Q2/R11 to improve temperature stability.
- The layout is for 16mm Alpha pots – these are spaced by 0.8" (approx 2cm). You could also wire other sized pots from these pads if you prefer.
- C12_x has been added so you can have two different range settings – use an SPST switch between the Rate point and ground (there's a pad next to the Rate pad). Experiment for cap values – perhaps 220n for C12 and 2u2 for C12_x
- R90 and R91 can be ferrite beads / 10r or 22r resistors / wire-links – this is the standard Ken Stone uses...

If you spot any errors please email tom@bugbrand.co.uk
 Big thanks to Thomas Henry and Scott Stites for this project!





Note BC547/557 instead of 2N3904/3906
 ..rotate through 180



Thomas Henry VC Quadrature Osc

Schematic Redrawn by Bugbrand

Refer to original at: <https://mypeoplepc.com/members/scottnoanh/birthofasynth/id29.html>
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