



- Note 1: J5 can be left open for an isolated ground, shorted, or connected using a SMT resistor.
 Note 2: Threshold for phase ref. is set by "Zero"; can be jumpered on J4 to AGND (J4-15) or V_r/2 (J4-13).
 Note 3: If using an external reference 2.5V < V_r < 5V, omit U1, C1, and C2.
 Note 4: R3, R7, C3, C7, and C11 can be SMT or through-hole components as desired.
 Note 5: +/- 5V or +/- 12V can be used for I_{AV}+/I_{AV}- power.
 Note 6: For external gain control, replace R3 with a resistor or digital pot. between GainA and GainB.
 Note 7: Size is 1.5" x 0.8". To print, use Scale=1.1, x offset = -800, y offset = 1200.
 Note 8: To reduce minor feedback from ref., consider cutting trace to J4-19 and/or filtering with a capacitor at J4-16..

Only J4-14 and J4-15
are mandatory connections.

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