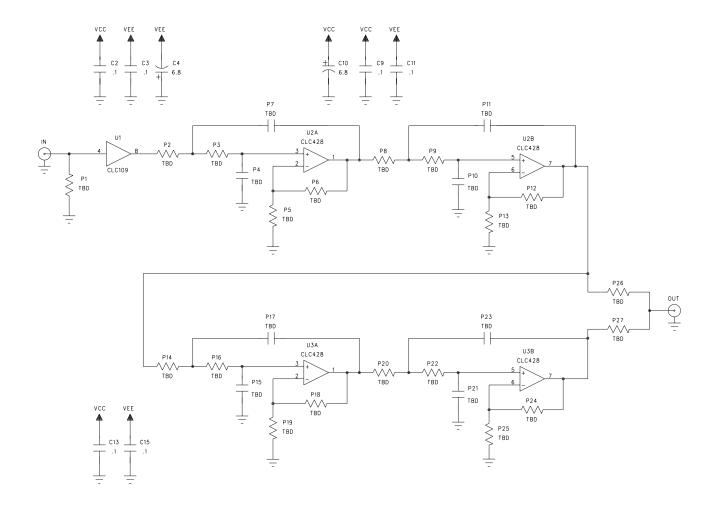
# **Active Filter Evaluation Board**

Part Number CLC730061

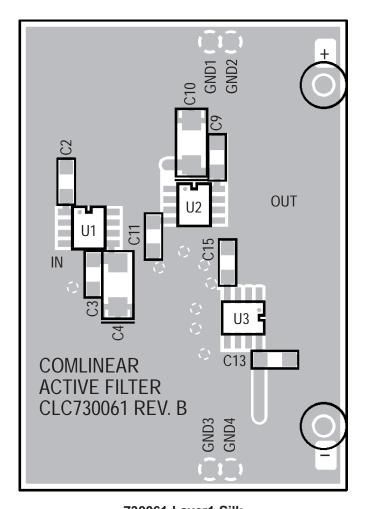
May 1997

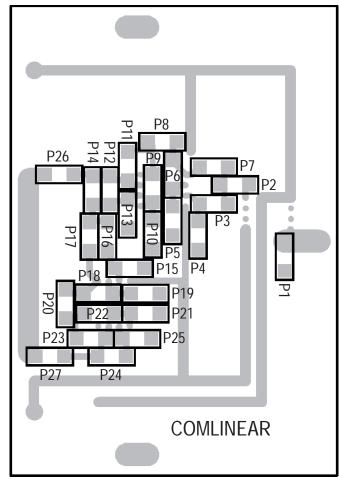
#### **Evaulation Board**

To make prototyping active filters easier, Comlinear has designed two different active filter evaluation boards. A schematic of the first board is shown below. It consists of a CLC109 input buffer, followed by four cascaded Sallen Key filter sections, realized with two dual Op-amps. The board was designed using surface mount components, so the resistors and capacitors are interchangeable. This board is available in a sample kit from National Semiconductor as Lit #665504-001. The other board also allows for up to four cascaded biquad sections but restricts the user to designs using K = 1 since rather than Op-amps, this board uses a quad, unity gain buffer. The board can be ordered as part number CLC730023 and is fully documented in the CLC114 evaluation board datasheet, available as National Semiconductor Lit #150114-003 or in the 1997 Comlinear Databook.



730061 Active Filter Evaluation Board Schematic





730061 Layer1 Silk

730061 Layer2 Silk

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