

Hello,

The ASM-1 project has been a lot of fun for me over the last seven years. However, the demands of my family are increasing and I am finding it hard to keep up with all of the inquiries that come in about it. In the interest of keeping this project alive for the international DIY community, I've officially handed off the production and sale of the ASM-1 printed circuit boards to another enthusiastic and capable fellow (**Laurie**) who is able to keep up with the demand. He has the original PCB artwork and so the PCB's you purchase from him will be identical to those that I have been shipping out all this time.

Inquiries for purchase of the ASM-1 can be sent to **Laurie** at the following email address:-

[elby\\_designs@ozemail.com.au](mailto:elby_designs@ozemail.com.au)

or his website at:-

<http://www.elby-designs.com/index.html>

When you purchase the ASM-1 PCB, you get:

- (1) Blank circuit board – double-sided, etched, solder-masked, drilled, and silk-screened with component location markings, ready for stuffing with parts that you provide. All required components are available from **Laurie as well as most** electronics suppliers or other hobbyist sources.
- (2) Set of documentation - Schematics, parts location drawing, and text containing theory of operation, assembly notes, and application suggestions.

The ASM-1 is an analog synthesizer voice which consists of the following modules:

- 2 off Voltage-Controlled Oscillators, exponential response with optional tempco resistors. Inputs for frequency (1v/oct), pulse width, PWM, linear FM, and hard sync. Outputs are Sawtooth and Variable-width Pulse, -5v to +5v (10v amplitude).
- 1 off Voltage-Controlled Filter, exponential response with optional tempco resistor. Inputs for frequency (1v/oct) and audio signals. Outputs are Lowpass, Bandpass, Highpass, and Notch simultaneously. Response is 12db/oct (2-pole) state variable with adjustable resonance.
- 2 off Voltage-Controlled Amplifiers, linear response. Inputs for amplitude control and signal (inverting and non-inverting). Output for signal out.
- 2 off ADSR Envelope Generators
- 1 off LFO with Triangle and Square outputs
- 1 off Noise Source with White, Pink, and Random outputs
- 1 off Glide Processor (portamento circuit)

Power requirements are plus and minus 15 volts, at about 80 milliamps each.

Best Regards,  
Gene Stopp