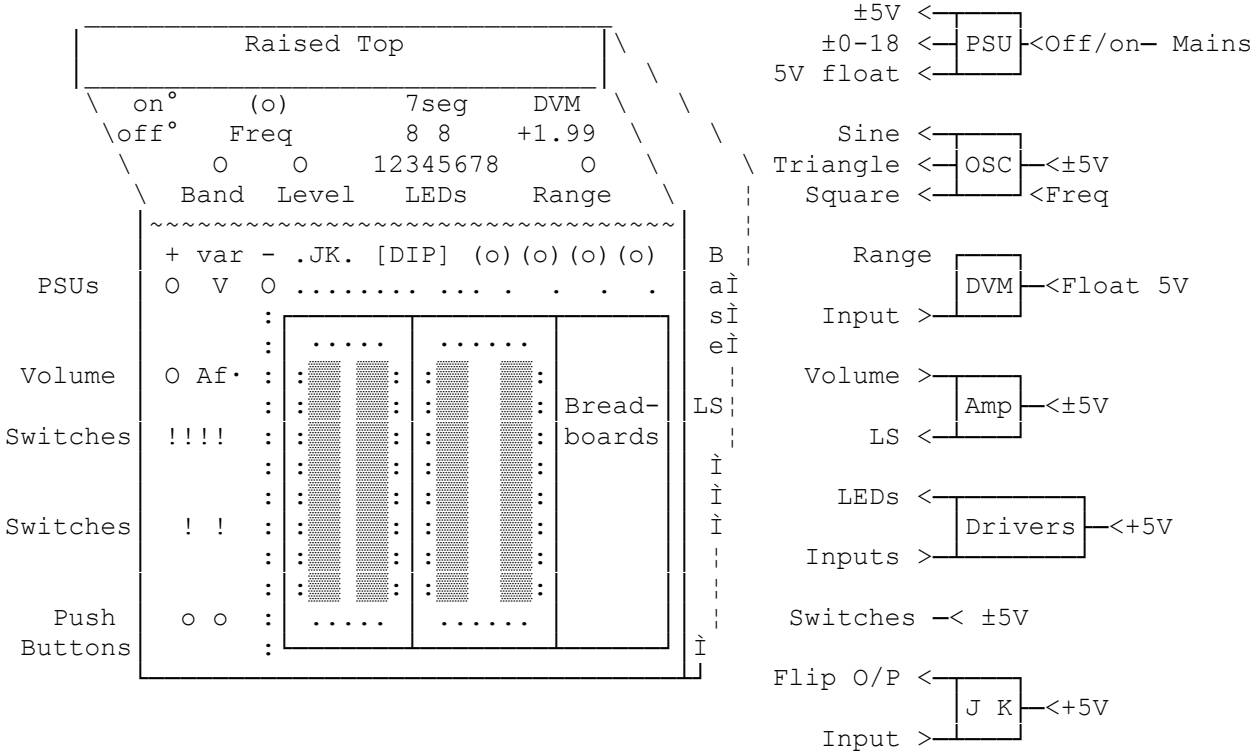
Lab Breadboard

By G8MNY (New Nov 07)

(8 Bit ASCII Graphics use code page 437 or 850)

Many years ago I bought a scrap AT102 Digital Lab by "A-Tek". It is a mains powered electronics breadboard laboratory using 0.5mm wire connectors. I have use it quite a bit, but there is no reason why anyone could not build up there own version of breadboard lab.



POWER SUPPLY: a multi wound & tapped transformer provides DC voltages to various regulators to give;- Fixed: +5V DC @ 2A max, & -5V DC @ 500mA max. A floating +5V for the DVM, Variable: 0 +18V DC @ 800mA max, & 0 -18V DC @ 500mA max.

OSCILLATOR: 1Hz - 100KHz in 4 decade ranges. output:-
Square, & Ramp Outputs ±5V. Sine output variable to ±3V constant level with filtered buffer amp.

AF AMPLIFIER & LS: (added by me) High gain audio monitor amplifier & gain control with internal LS or 1W into 8Ω 3.5mm output jack. 100k input Z.

LOGIC TOOLS:
4 logic level switches 0 5V,
2 centre off logic level switches -5 0+5V,
2 Press buttons +5v or 0V pressed.
A J-K Flip Flop gate.
8 data display LEDS with drivers, +5V for on.
2x 7 segment displays with drivers.

COMPONENT PATCH BREAD BOARDS
Two 48 row component boards for 0.5mm wires etc.
For 0.4" DIL ICs, bus surround. & for 0.2" DIL ICs, bus surround.

EXTERNAL CONNECTION CONVERTERS
Four 4mm wander sockets to wire sockets.

3½ DIGIT DC VOLT METER
Isolated meter, 10MΩ Input.
Ranges 0-200mV, 0-2V, 0-20V, 0-200V.

Why don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP