+ 5 to +24 VDC
power supply
needed for 1/4
J-6 input

Ground
Bit 7
Bit 6
Bit 5
Bit 4
Bit 3
Bit 2
Bit 1
Bit 0
+15 VDC
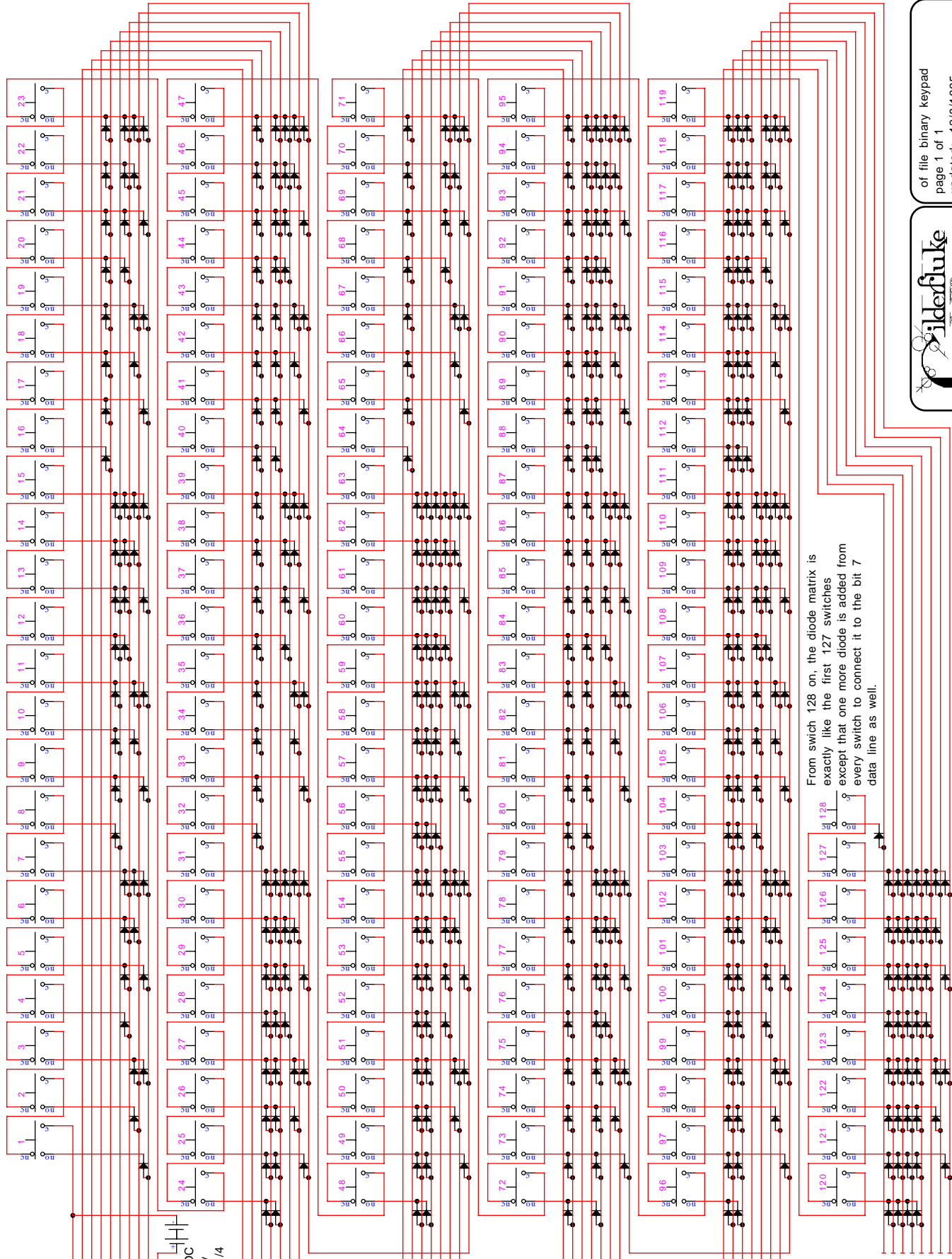
From swich 128 on, the diode matrix is
exactly like the first 127 switches
except that one more diode is added from
every switch to connect it to the bit 7
data line as well.

NOTES: This circuit will produce the binary number shown above each switch when it is pressed.
Providing the ground connnection thru the other switches provides a prioritizing effect. Switches can be connected directly to ground if this is not needed