
41 Mini-Digital Roulette

□ A more adult form of entertainment can be obtained from the 4026 counter and display previously described. The clock input terminal is connected via a pushbutton switch to the "Basic Pulse Maker" and two to nine players select a number. Then, press the button. The input frequency should be 10-Hz or higher and the Reset may zero the display first, although there is

statistically little or no effect upon subsequent outcomes. When the switch is released, the counter holds on one number, which is displayed until reset or new counts arrive. If a Zero appears on the display, it may be assumed that the Bank takes all wagers, thus keeping the system in fresh batteries.

PARTS LIST FOR Mini-Digital Roulette

C1—0.47 to 2.2- μ F electrolytic capacitor, 15-VDC

C2—100- μ F electrolytic capacitor, 14-VDC

D1, D2—1N4148 or 1N914 diode

IC1—4011 quad NAND gate

IC2—4026 decade counter

LED1—DL-750 7-segment display

Q1-Q7—2N4401 transistor

R1—500,000-ohm linear-taper potentiometer

R2—100,000-ohm linear-taper potentiometer

R3—10,000-ohm, $\frac{1}{2}$ -watt 10% resistor

R4-R11—1,000-ohm, $\frac{1}{2}$ -watt 10% resistor

S1, S2—SPST momentary-contact switch

