

## Component Overlay



Qty	Designator	Description
1	R1	100R 1/4W 5% Resistor
1	P1	2k2 1/4W 1% Resistor <b>OR</b> 10 Turn Trimpot 10k Bourns 3296 or Equivalent
1	P2	5k6 1/4W 1% Resistor <b>OR</b> 10 Turn Trimpot 10k Bourns 3296 or Equivalent
1	RN1	Resnet 5 pin, 4 Commoned 100k Resistors SIL5
6	C1,C3,C5,C7, C8,C9	100nF 50V X7R Monolithic Ceramic Capacitors (MLCC) 5mm Pitch
2	C2,C4	100pF 50V 5% NPO/COG MLCC Capacitor 0805 SMD <b>OR</b> 5mm Through Hole (TH)
1	C6	10uF 50V Electrolytic Capacitor 2.54mm Pitch
1	IC1	20 Pin Dual Wipe IC Socket
3	IC2,IC3,IC4	16 Pin Dual Wipe IC Socket
3	IC5,IC6,IC7	14 Pin Dual Wipe IC Socket
1	IC1	74HC688 8-Bit Magnitude Comparator 20 Pin DIP
1	IC2	74HC221 Dual Monostable 16 Pin DIP
1	IC3	74HC161 Synchronous Binary Counter DIP 16
1	IC4	74HC165 8-Bit Parallel Load Shift Register DIP 16
1	IC5	74HC02 Quad 2-Input NOR Gate DIP 14
1	IC6	74HC00 quad 2-Input NAND Gate DIP 14
1	IC7	74HC74 Dual D Flip-Flop 14 Pin DIP
1	SW1	4-Way DIP Switch
1	CN1	40 pin 2.54mm Right Angle Boxed Pin Header
1	CN2	3 Way R/A Pin Header