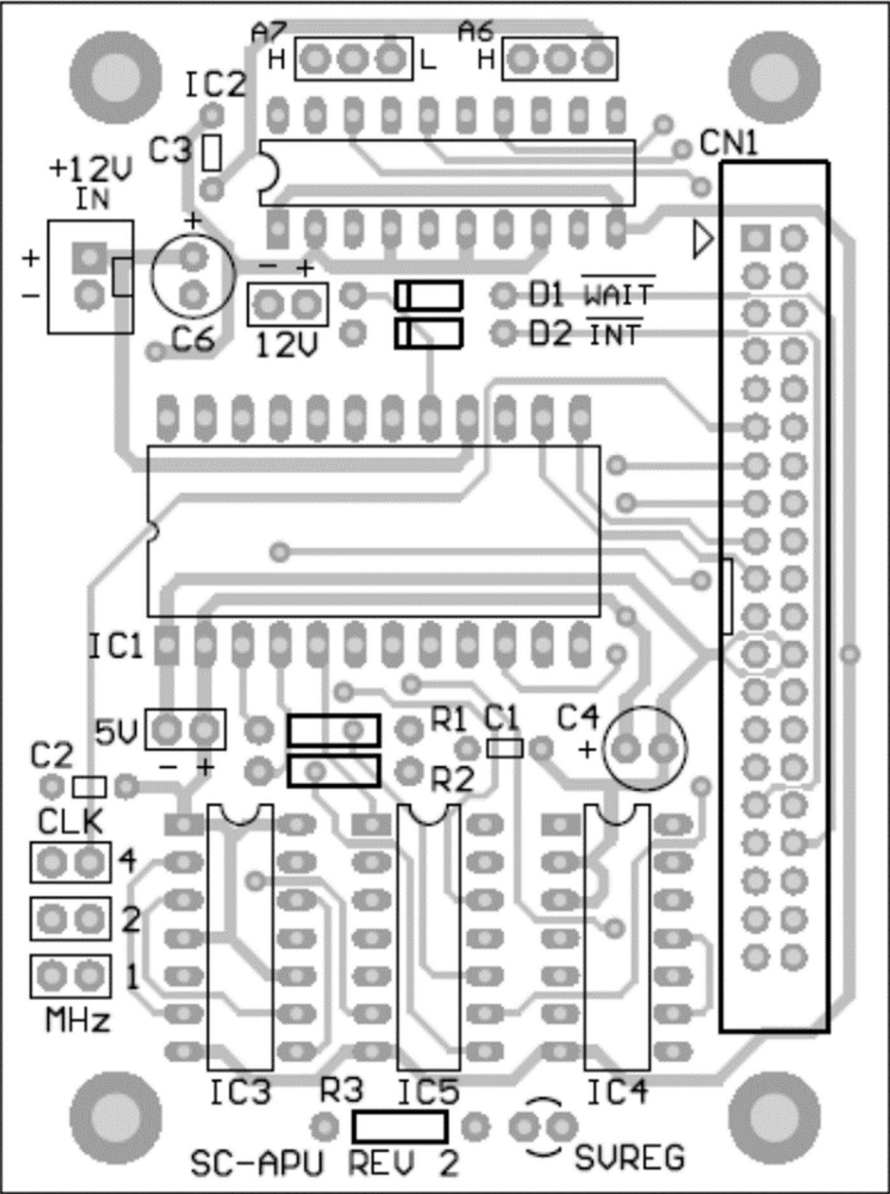


SC-APU AM9511A Arithmetic Processor Unit Rev. 2

Component Overlay



Bill of Material

Qty	Designator	Description
2	R1, R2	10k 1/4W 1% or 5% (not critical)
1	R3	330R 1/4W 1% or 5% (not critical)
2	D1, D2	1N4148 optional - see text
3	IC3, IC4, IC5	14 pin Dual Wipe IC sockets
1	IC2	20 pin Dual Wipe IC socket
1	IC1	24 pin Dual Wipe IC socket or 24 pin ZIF socket
1	'SVREG'	3mm Red LED
5	'12v','5V', CLK '1','2','4'	2 pin 0.1" pitch pin headers
2	'A7','A6'	3 pin 0.1" pitch pin headers
3	C1, C2, C3	100nF 50V Monolithic capacitors
1	CN1	40 way Straight or R/A IDC box header
1	+12V VIN	Connector 2 pin 2.54mm pitch JST B2B-XH or equivalent
2	C4, C6	10uF RB 16vW Electrolytic Capacitors 0.1" pitch
1	IC1	AM9511A-4DC 4MHz Arithmetic Processor Unit (APU) 24 Pin Ceramic DIP
1	IC2	74HC688 20 pin DIP 8-bit Magnitude Comparator
1	IC3	74HC74 14 pin DIP Dual D-Type Flip Flop
1	IC4	74HC02 14 pin DIP Quad NOR gate
1	IC5	74HC04 14 pin DIP Hex Inverter
3	'CLK','A7','A6'	Shunts 0.1"