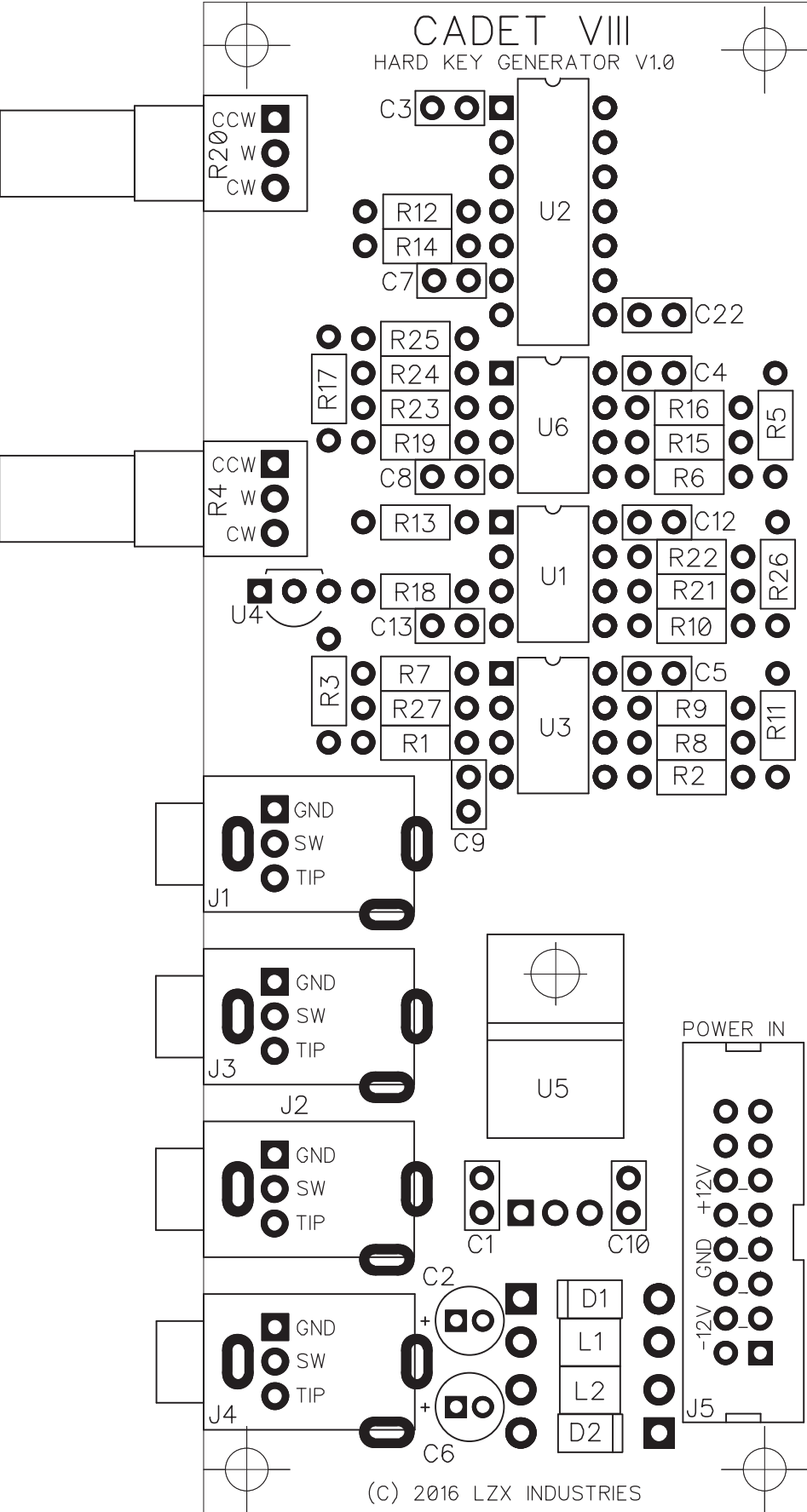


# LZX Cadet VII Hard Key Generator v1.0 Component Placement Diagram



Quantity	Description	Value	Reference Designators
2	Aluminum Electrolytic Capacitors - Leaded 10UF 35V KS RADIAL	10 u	C2, C6
10	Multilayer Ceramic Capacitors MLCC - Leaded 0.1uF 50volts Z5U 20% 2.5mm L/S	0.1 u	C3, C4, C5, C7, C8, C9, C10, C12, C13, C22
2	Rectifiers Vr/50V Io/1A T/R	1N4001	D1, D2
2	EMI Filter Beads, Chips & Arrays 43 BEAD ON LEAD Z=68 OHM @ 100MHz	-	L1, L2
4	Right angled 3.5mm Jack Sockets w/Knurled Nuts, No Washers	-	J1, J2, J3, J4
1	16 Pin Shrouded Male Headers IDC	-	J5
3	Metal Film Resistors - Through Hole 100K ohms 1% 100PPM	100K	R3, R10, R14
5	Metal Film Resistors - Through Hole 1Kohms 1% 100PPM	1K	R5, R7, R15, R17, R24
4	Metal Film Resistors - Through Hole 1/4W 499 ohm 1%	499R	R1, R12, R16, R25
7	Metal Film Resistors - Through Hole 1/4W 4.99K ohm 1%	4.99K	R2, R8, R9, R11, R18, R22, R26
2	Metal Film Resistors - Through Hole 10Kohms 1% 100PPM	10K	R21, R27
2	Metal Film Resistors - Through Hole 2.32Kohms 1% 100PPM	2.32K	R6, R19
2	Metal Film Resistors - Through Hole 49.9Kohms 1% 100PPM	49.9K	R13, R23
2	Operational Amplifiers - Op Amps Dual High Speed,Low Pwr Amp	LM6172	U3, U6
1	Voltage References Adjustable Precision Shunt Regulator	TL431	U4
1	Operational Amplifiers - Op Amps Dual JFET In Low N	TL072	U1
2	Right Angle B10K Alpha 9mm Potentiometer	B10K	R4, R20
1	Multilayer Ceramic Capacitors MLCC - Leaded 0.33uF 50volts Z5U 20% 2.5mm L/S	330 n	C1
1	Linear Voltage Regulators 5.0V 1.0A Positive	7805	U5
2	Davies 1900H Clone Red (6.35mm Round Shaft)	-	-
1	Analog Comparators Hi Speed Diff Cmptr	LM361	U2
1	16 Pin IDC EuroRack Power Cable	-	-
4	Knurled Nuts for PJ302M Jacks	-	-