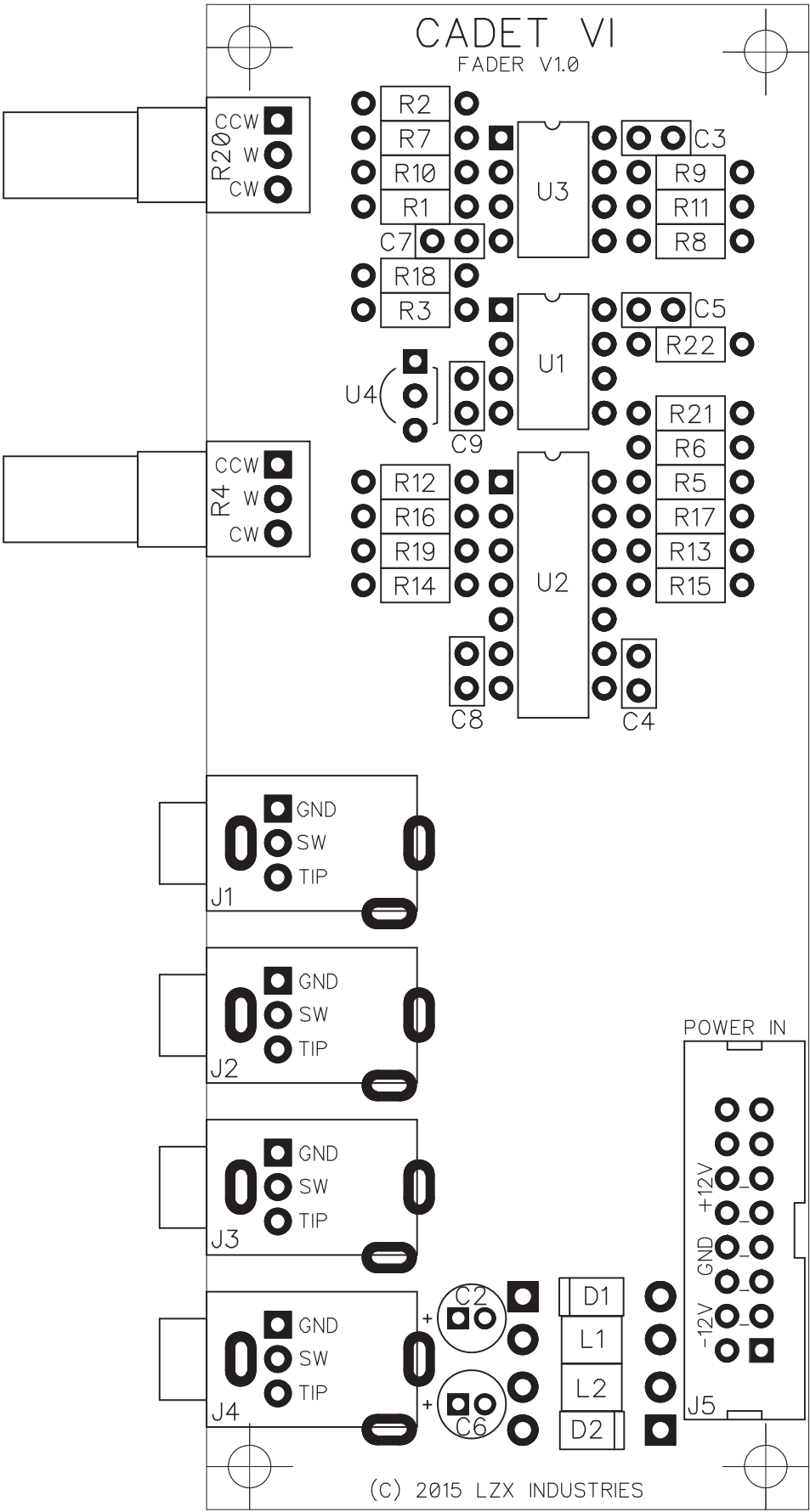


# LZX Cadet VI Fader v1.0 Component Placement Diagram



Quantity	Description	Value	Reference Designators
6	Multilayer Ceramic Capacitors MLCC - Leaded 0.1uF 50volts Z5U 20% 2.5mm L/S	0.1 u	C3, C4, C5, C7, C8, C9
2	Aluminum Electrolytic Capacitors - Leaded 10UF 35V KS RADIAL	10 u	C2, C6
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	Metal Film Resistors - Through Hole 1/4W 499 ohm 1% 500 OHM 1%	499R	R1, R5, R12, R19
2	Metal Film Resistors - Through Hole 1/4W 4.99K ohm 1% 4.99K OHM 1%	4.99K	R2, R18
3	Metal Film Resistors - Through Hole 100Kohms 1% 100PPM	100K	R3, R6, R14
2	Metal Film Resistors - Through Hole 1Kohms 1% 100PPM	1K	R7
2	Metal Film Resistors – Through Hole 1/4W 665 ohm 1%	665R	R10
5	Metal Film Resistors - Through Hole 10Kohms 1% 100PPM	10K	R8, R9, R11, R21, R22
2	Metal Film Resistors - Through Hole 1/4W 1.5K ohm 1% 1.5K OHM 1%	1.5K	R16, R17
2	Right Angle B10K Alpha 9mm Potentiometer	B10K	R4, R20
2	DO NOT PLACE	-	R13, R15
1	Operational Amplifiers - Op Amps Dual JFET In Low N	TL072IP	U1
1	40MHz Video Fader and DC Gain Controlled Amplifier	LT1251CN#PBF	U2
1	Operational Amplifiers - Op Amps Dual High Speed,Low Pwr Amp	LM6172IN/NOPB	U3
1	Voltage References Adjustable Precision Shunt Regulator	TL431BQLPR	U4
4	Right angled 3.5mm Jack Sockets w/Knurlled Nuts, No Washers	-	J1, J2, J3, J4
1	16 Pin Shrouded Male Headers IDC	-	J5
1	16 Pin IDC EuroRack Power Cable	-	-
2	Davies 1900H Clone Red (6.35mm Round Shaft)	-	-
4	Knurlled Nuts for PJ302M Jacks	-	-