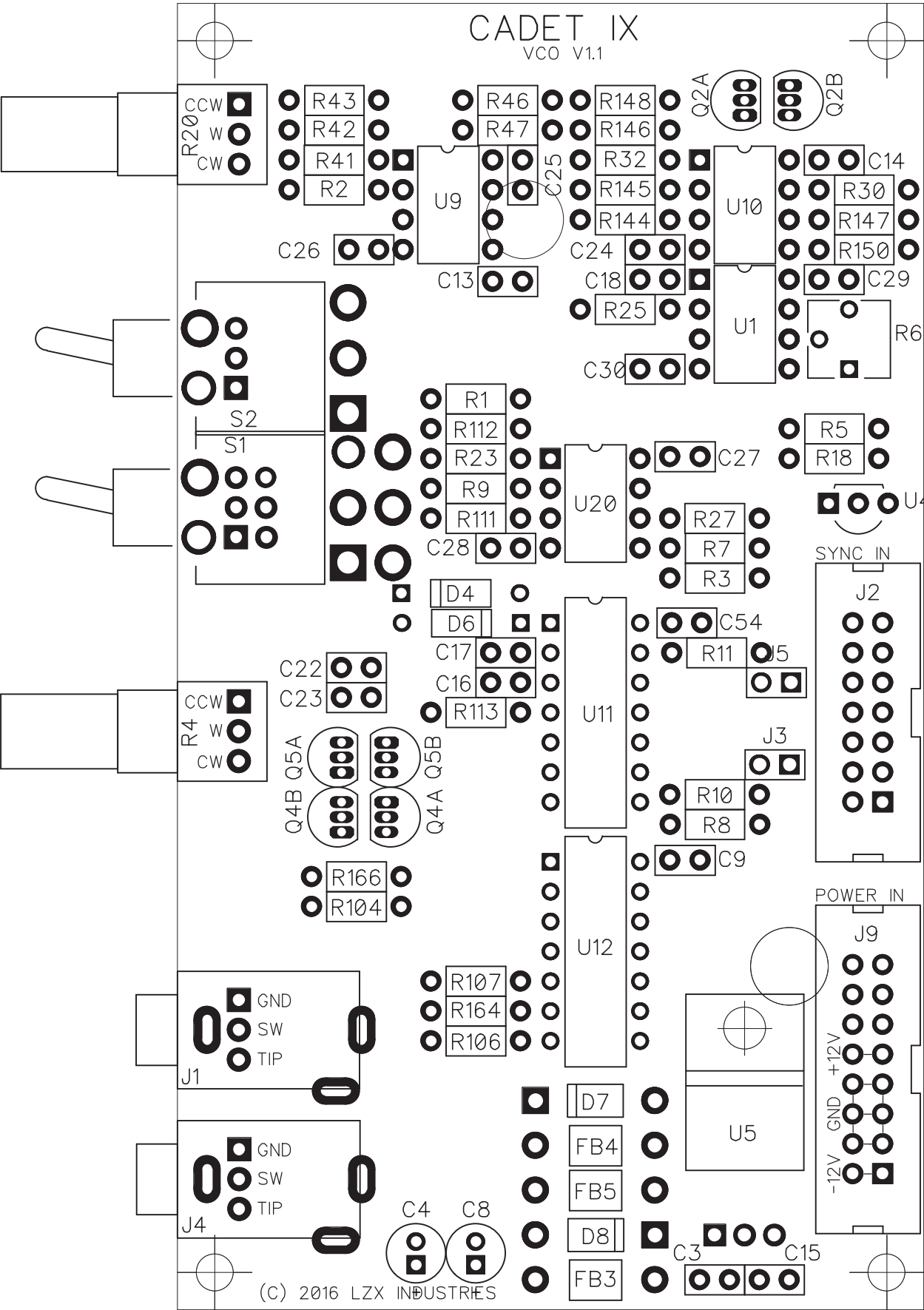


LZX Cadet IX VCO v1.1 Component Placement Diagram



Quantity	Description	Value	Reference Designators
2	Aluminum Electrolytic Capacitors - Leaded 10UF 35V KS RADIAL	10 u	C4, C8
11	Multilayer Ceramic Capacitors MLCC - Leaded 0.1uF 50volts Z5U 20% 2.5mm L/S	0.1 u	C9, C14, C15, C24, C25, C26, C27, C28, C29, C30, C54
2	Rectifiers Vr/50V Io/1A T/R	1N4001	D7, D8
2			
3	EMI Filter Beads, Chips & Arrays 43 BEAD ON LEAD Z=68 OHM @ 100MHz	-	FB3, FB4, FB5
2	Right angled 3.5mm Jack Sockets w/Knurled Nuts, No Washers	PJ302M	J1, J4
1	16 Pin Shrouded Male Headers IDC	-	J9
1	Metal Film Resistors - Through Hole 100K ohms 1% 100PPM	100K	R144
1	Metal Film Resistors - Through Hole 100K ohm 1%		
10	Metal Film Resistors - Through Hole 1Kohms 1% 100PPM	1K	R7, R9, R23, R27, R32, R104, R111, R112, R146, R166
5	Metal Film Resistors - Through Hole 1/4W 499 ohm 1%	499R	R1, R10, R11, R145, R150
3	Metal Film Resistors - Through Hole 1/4W 4.99K ohm 1%	4.99K	R18, R147, R148
1	Metal Film Resistors - Through Hole 10Kohms 1% 100PPM	10K	R5
1	Metal Film Resistors - Through Hole 2.21Kohms 1% 100PPM	2.21K	R164
1	Metal Film Resistors - Through Hole 49.9Kohms 1% 100PPM	49.9K	R107
2	Operational Amplifiers - Op Amps Dual High Speed,Low Pwr Amp	LM6172IN/NOPB	U10, U20
1	Voltage References Adjustable Precision Shunt Regulator	TL431BQLPR	U4
2	Operational Amplifiers - Op Amps Dual JFET In Low N	TL072IP	U1, U9
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	C3
1	Linear Voltage Regulators 5.0V 1.0A Positive	L7805CV	U5
2	Davies 1900H Clone Red (6.35mm Round Shaft)	-	-
1	16 Pin IDC EuroRack Power Cable	-	-
2	Knurled Nuts for PJ302M Jacks	-	-
1	Inverters Hex Schmitt-Trigger	SN74HC14N	U12
1	Multilayer Ceramic Capacitors MLCC - Leaded 1000pF 100volts 10% X7R 2.5mm LS	1000 p	C23
1	14 Pin Shrouded Male Headers IDC	-	J2
2	Diodes - General Purpose, Power, Switching 100V Io/200mA BULK	1N4148	D4, D6
1	Toggle Switches SPDT ON-ON RT ANGLE	10TF230	S2
2	Bipolar Transistors - BJT PNP Transistor General Purpose	2N3906BU	Q5A*, Q5B*
4	Bipolar Transistors - BJT NPN Transistor General Purpose	2N3904BU	Q2A*, Q2B*, Q4A*, Q4B*
1	Toggle Switches ON-ON DPDT RA PC	-	S1
1	Trimmer Resistors - Through Hole 1/4"SQ 10KOHMS 10% 0.5WATTS	10K	R6
1	Metal Film Resistors - Through Hole 100 ohms 1% 100PPM	100R	R41
2	Metal Film Resistors ♦ Through Hole 1/4W 75 ohm 1%	75R	R42, R113
1	Metal Film Resistors - Through Hole 2Kohms 1% 100PPM	2K	R43**
2	Metal Film Resistors - Through Hole 16.5Kohms 1% 100PPM	16.5K	R2, R30
3	Metal Film Resistors - Through Hole 4.02Kohms 1% 100PPM	4.02K	R3, R8, R25
1	Metal Film Resistors - Through Hole 8.25Kohms 1% 100PPM	8.25K	R46
1	Metal Film Resistors - Through Hole 1.2M ohms 1% 100PPM	1.2M	R47
1	Metal Film Resistors - Through Hole 2.05Kohms 1% 100PPM	2.05K	R106
1	Multilayer Ceramic Capacitors MLCC - Leaded 100pF 50volts 5% .1LS C0G/NPO	100p	C13
1	Multilayer Ceramic Capacitors MLCC - Leaded 100pF 50volts 5% .1LS C0G/NPO	150p	C16
1	Multilayer Ceramic Capacitors MLCC - Leaded 0.047uF 50volts C0G +/-5%	47nF	C17
1	Multilayer Ceramic Capacitors MLCC - Leaded 15pF 50volts C0G 5% Radial LS:2.5mm	15pF	C18
1	Multilayer Ceramic Capacitors MLCC - Leaded 1uF 50volts X5R 10% Radial LS:2.5mm	1uF	C22
1	Analog Switch ICs Quad	CD4066BE	U11