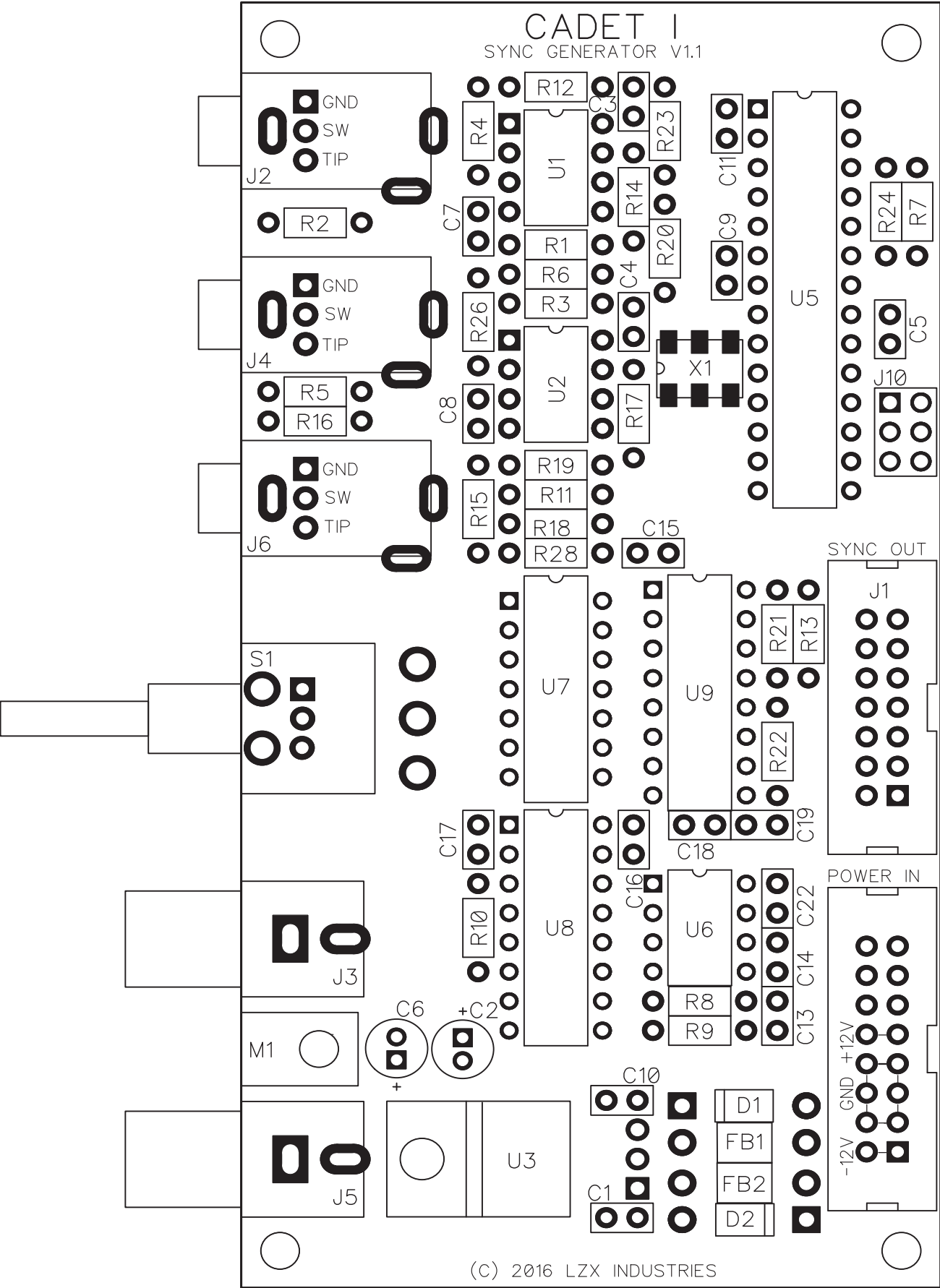


LZX Cadet I Sync Generator v1.1 Component Placement Diagram



Qty	Description	Value / Partname	Reference Designators
2	1% Metal Film Resistor	75R	R8, R19
6	1% Metal Film Resistor	499R	R2, R5, R16, R17, R20, R23
8	1% Metal Film Resistor	1K	R4, R6, R11, R12, R14, R18, R26, R28
3	1% Metal Film Resistor	3.92K	R1, R3, R15
4	1% Metal Film Resistor	10K	R7, R21, R22, R24
1	1% Metal Film Resistor	49.9K	R10
1	1% Metal Film Resistor	680K	R9
1	Ceramic Capacitor	47p	C18
2	Ceramic Capacitor	1000p	C17, C19
13	Ceramic Capacitor	100n	C3, C4, C5, C7, C8, C9, C10, C11, C13, C14, C15, C16, C22
1	Ceramic Capacitor	330n	C1
2	Electrolytic Capacitor	10u	C5, C6
1	Bare Wire Jumper	-	R13
2	Diode	1N4001	D1, D2
2	Ferrite Bead	-	FB1, FB2
2	IC, High Speed Op Amp	LM6172	U1, U2
1	IC, 5V Regulator	7805	U3
1	IC, Microprocessor	ATMEGA88A	U5
1	IC, Video Sync Separator	LM1881	U6
1	IC, Hex Inverter	74HC14	U7
1	IC, Dual Monostable	74HC4538	U8
1	IC, Phase-Locked Loop	74HC4046	U9
1	IC, Surface Mount Crystal	CSX750VCB13.500M-UT	X1
1	0.1" Shrouded Pin Header	2X8	J9
1	0.1" Shrouded Pin Header	2X7	J1
1	0.1" Pin Header	2X3	J10
3	3.5mm Right Angle Jack w/Nut	PJ302M	J2, J4, J6
2	RCA Right Angle Jack	RCJ-044	J3, J5
1	SPDT Mini Toggle Switch	10TF230	S1
1	Right Angle Mounting Bracket	Keystone 621	M1
2	Pan Head Philips Screw	#4-40, ¼ inch	M1A/M1B