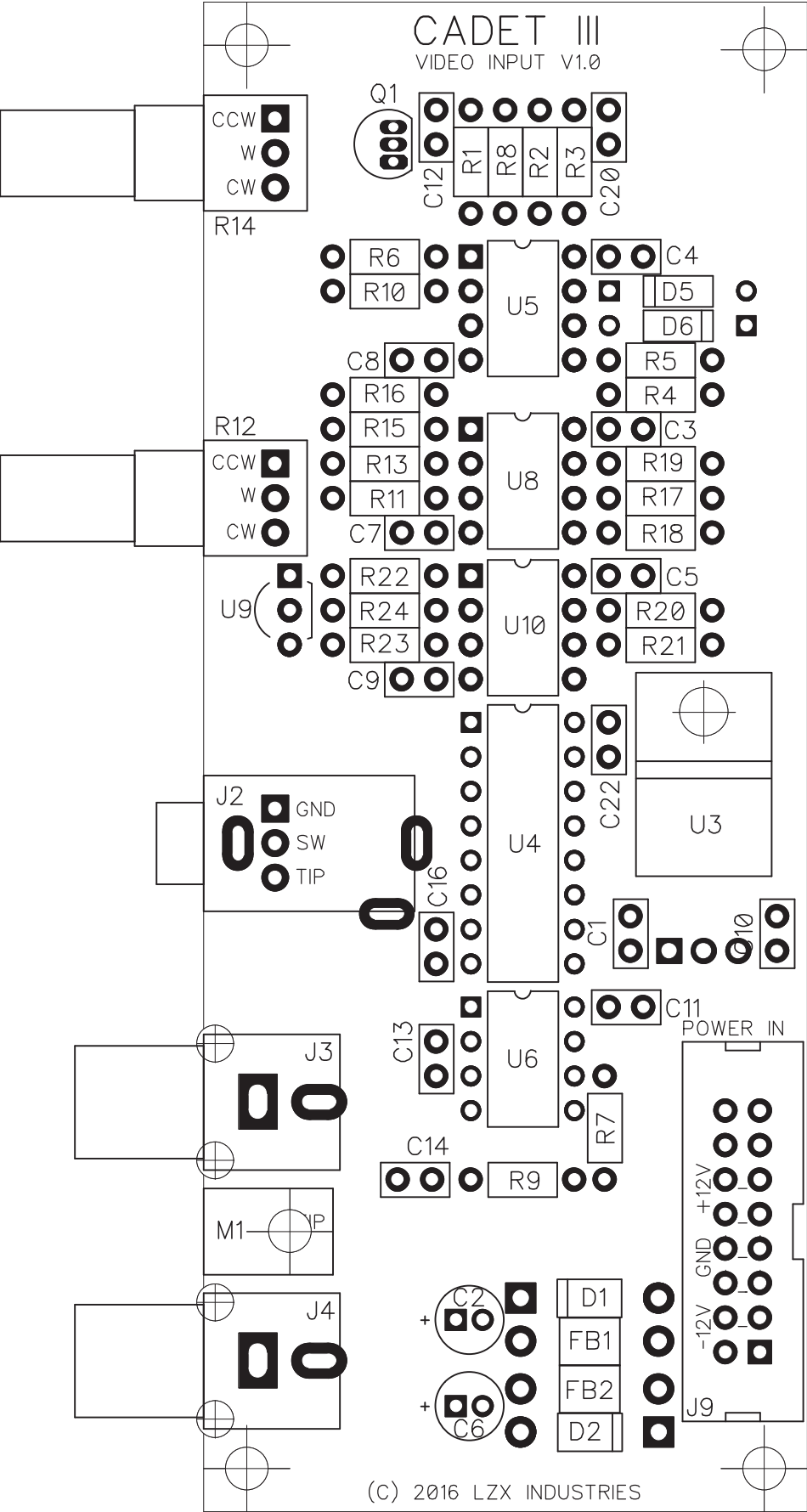


LZX Cadet III Video Input v1.0 Component Placement Diagram



Quantity	Description	Value	Reference Designators
1	Multilayer Ceramic Capacitors MLCC - Leaded 0.33uF 50volts Z5U 20% 2.5mm L/S	330 n	C1
2	Aluminum Electrolytic Capacitors - Leaded 10UF 35V KS RADIAL	10 u	C2, C6
14	Multilayer Ceramic Capacitors MLCC - Leaded 0.1uF 50volts Z5U 20% 2.5mm L/S	0.1 u	C3, C4, C5, C7, C8, C9, C10, C11, C12, C13, C14, C16, C20, C22
2	Rectifiers Vr/50V Io/1A T/R	1N4001	D1, D2
2	Schottky Diodes & Rectifiers 15mA 70 Volt	1N5711	D5, D6
2	EMI Filter Beads, Chips & Arrays 43 BEAD ON LEAD Z=68 OHM @ 100MHz	-	FB1, FB2
1	Right angled 3.5mm Jack Sockets w/Knurled Nuts, No Washers	PJ302M	J2
2	RCA Phono Connectors, Right Angle, Yellow	RCJ-044	J3, J4
1	16 Pin Shrouded Male Headers IDC	-	J9
1	Mounting Hardware THRD BRKT STL Z PL	-	M1
1	Bipolar Transistors - BJT NPN Transistor General Purpose	2N3904BU	Q1
2	Metal Film Resistors - Through Hole 100Kohms 1% 100PPM	100K	R1, R3
4	Metal Film Resistors - Through Hole 10Kohms 1% 100PPM	10K	R2, R13, R15, R24
8	Metal Film Resistors - Through Hole 1Kohms 1% 100PPM	1K	R4, R5, R7, R10, R17, R18, R20, R21
1	Metal Film Resistors - Through Hole 1.4Kohms 1% 100PPM	1.4K	R6
2	Metal Film Resistors - Through Hole 1/4W 75 ohm 1%	75R	R8, R19
1	Metal Film Resistors - Through Hole 680Kohms 1% 100PPM	680K	R9
1	Metal Film Resistors - Through Hole 2.49Kohms 1% 100PPM	2.49K	R11
2	Right Angle B10K Alpha 9mm Potentiometer	B10K	R12, R14
1	Metal Film Resistors - Through Hole 1/4W 499 ohm 1%	499R	R16
1	Metal Film Resistors - Through Hole 1/4W 4.99K ohm 1%	4.99K	R22
1	Metal Film Resistors - Through Hole 15Kohms 1% 100PPM	15K	R23
1	Linear Voltage Regulators 5.0V 1.0A Positive	L7805CV	U3
1	Multiplexer Switch ICs Triple 2-Ch Analog	CD4053BE	U4
2	Operational Amplifiers - Op Amps Dual High Speed,Low Pwr Amp	LM6172IN/NOPB	U5, U8
1	Video ICs Video Sync Separator	LM1881N/NOPB	U6
1	Voltage References Adjustable Precision Shunt Regulator	TL431BQLPR	U9
1	Operational Amplifiers - Op Amps Dual JFET In Low N	TL072IP	U10
1	16 Pin IDC EuroRack Power Cable	-	-
2	Zinc-Plated Steel Pan Head Phillips Machine Screw, 4-40 Thread, 1/4" Length	-	-
2	Davies 1900H Clone Red (6.35mm Round Shaft)	-	-
1	Knurled Nuts for PJ302M Jacks	-	-