

## QUAD LOPASS GATE MODEL 292 - v2.0 (PCB1)

### SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL084	IC1	1	LOW-NOISE JFET-INPUT OPERATIONAL AMPLIFIER	511-TL084CP
TL071	IC2	1	LOW-NOISE JFET-INPUT OPERATIONAL AMPLIFIER	511-TL071CN

### RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
4K7	R1, R2	2	Isolated Resistor Network	268-4.7K-RC
4K7	R3	1	1% 1/4W Resistor	271-4.7K-RC
10K	R4, R5	2	Isolated Resistor Network	652-4612X-2LF-10K
10K	R6	1	Isolated Resistor Network	271-10K-RC
1K	R7	1	1% 1/4W Resistor	271-1K-RC
B10-100K	POT1, POT2, POT3, POT4	4	16mm Angled	<a href="http://www.smallbearelec.com/servlet/Detail?no=692">http://www.smallbearelec.com/servlet/Detail?no=692</a>

### MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
		13	Tinijax	502-41
		4	Black Banana Jack	530-108-0903-1
		5	SPDT ON-OFF-ON SWITCH	108-1MS3T1B1M1QE-EVX
		9	3mm Red LED	630-HLMP-K101
		1	30PIN PLD connector (male)	517-929836-09-16
		4	Blue Switch Caps	108-00357-EV
		1	Yellow Switch Caps	108-00365-EV

## QUAD LOPASS GATE MODEL 292 - v2.0 (PCB 2)

### SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL084	IC1	4		511-TL074CN
DG202	IC2	4		781-DG202BDJ-E3
1N5228	Z1	4		512-1N5228B

### CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
10uFx35V	C1, C3	2	Electrolytic Capacitor (2mm LS)	647-UVR1H100MDD1TA
0.1uF	C2, C4	2	Ceramic Capacitor (5mm LS)	581-SA105E104M
100pF	C5, C11	8	Ceramic Capacitor (5mm LS)	140-50S5-101J-RC
2.0nF	C6	4	Ceramic Capacitor (5mm LS)	140-50P5-202K-RC
1.0nF	C7	4	Ceramic Capacitor (5mm LS)	140-50Z5-102M-RC
220pF	C8, C12	8	Ceramic Capacitor (5mm LS)	140-50S5-221J-RC
4.7nF	C9	4	Film Capacitor (5mm LS)	871-B32529C1472J
1uF	C10	4	Film Capacitor (5mm LS)	80-R82DC4100CK60J

### RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
47K	R1	4	1% 1/4W Resistor	271-47K-RC
150K	R2	4	1% 1/4W Resistor	271-150K-RC
1K	R3, R19, R20, R21	16	1% 1/4W Resistor	271-1K-RC
470R	R4	4	1% 1/4W Resistor	271-470-RC
4M7	R5	4	5% 1/4W Resistor	291-4.7M-RC
470K	R6	4	1% 1/4W Resistor	271-470K-RC
100K	R7, R13, R14	12	1% 1/4W Resistor	271-100K-RC
10K	R8, R9, R12, R22, R23, R24	24	1% 1/4W Resistor	271-10K-RC
33K	R10	4	1% 1/4W Resistor	271-33K-RC
4K7	R11	4	1% 1/4W Resistor	271-4.7K-RC
15K	R15, R17	8	1% 1/4W Resistor	271-15K-RC
30K	R16	4	1% 1/4W Resistor	271-30K-RC
18K	R18	4	1% 1/4W Resistor	271-18K-RC
20K	TR1	4	Single-turn Trimmer	858-25PR20KLF

### MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	L1, L2	2	Ferrite Bead	667-EXC-ELSA35V
		1	Power Connector	587-306-50-010
VTL5C3/2	V1	4	Dual Vactrol	<a href="http://www.smallbearelec.com/servlet/Detail?no=349">http://www.smallbearelec.com/servlet/Detail?no=349</a>
		4	Blue Switch Caps	108-00357-EV
		1	White Switch Cap	108-00341-EV
		1	30PIN PLD connector (female)	517-929975-01-15-RK