

## QUAD LOPASS GATE MODEL 292B

### BILL OF MATERIALS REV 1.1

#### SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL071	IC5, IC6	2		595-TL071CP
TL074	IC1, IC2, IC3, IC4	4		595-TL074CN
2N2907	Q5	1		610-2N2907
J201	Q1, Q2, Q3, Q4	4		106-J201
1N5228	Z1, Z2, Z3, Z4	4		512-1N5228B

#### CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
15uF	C26, C27, C29	3	ELECTROLYTIC 2MM LS	647-UPJ1H150MDD
4.7nF	C4, C10, C16, C22	4	FILM 5MM LS	871-B32529C1472J
470nF	C2, C3, C8, C9, C14, C15, C20, C21	8	FILM 5MM LS	871-B32529C1474J
1uF	C1, C7, C13, C19	4	ELECTROLYTIC 2MM LS	647-UVZ1H010MDD
220pF	C6, C12, C18, C24	4	CERAMIC 5MM LS	581-SA101A221JAR
1000pF	C5, C11, C17, C23	4	CERAMIC 5MM LS	581-SA105A102JAR
0.01uF	C25	1	CERAMIC 5MM LS	581-SA105E103M
0.047uF	C28	1	CERAMIC 5MM LS	581-SA105C473KAR
0.1uF	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14	14	CERAMIC 5MM LS	581-SA105E104M

#### RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
68R	R98	1	1% 1/4W	271-68-RC
330R	R8, R32, R56, R80	4	1% 1/4W	271-330-RC
470R	R11, R35, R59, R83, R109	5	1% 1/4W	271-470-RC
1K	R4, R6, R28, R30, R52, R54, R76, R78, R97	9	1% 1/4W	271-1K-RC
3K3	R2, R26, R50, R74	4	1% 1/4W	271-3.3K-RC
10K	R9, R21, R24, R33, R45, R48, R57, R69, R72, R81, R93, R96, R99, R100, R102, R110	16	1% 1/4W	271-10K-RC
12K	R18, R42, R66, R90	4	1% 1/4W	271-12K-RC
15K	R12, R13, R36, R37, R60, R61, R84, R85	8	1% 1/4W	271-15K-RC
22K	R107	1	1% 1/4W	271-22K-RC
33K	R15, R20, R39, R44, R63, R68, R87, R92, R104, R105, R106, R108	12	1% 1/4W	271-33K-RC
47K	R16, R19, R40, R43, R64, R67, R88, R91	8	1% 1/4W	271-47K-RC
68K	R5, R17, R22, R23, R29, R41, R46, R47, R53, R65, R70, R71, R77, R89, R94, R95	16	1% 1/4W	271-68K-RC
91K	R101	1	1% 1/4W	271-91K-RC
100K	R103	1	1% 1/4W	271-100K-RC
105K	R7, R31, R55, R79	4	1% 1/4W	271-105K-RC
120K	R1, R3, R25, R27, R49, R51, R73, R75	8	1% 1/4W	271-120K-RC
2M2	R14, R38, R62, R86	4	5% 1/4W	291-2.2M-RC
10M	R10, R34, R58, R82	4	5% 1/4W	291-10M-RC
10-100K LIN	POT1, POT2, POT3, POT4	4	16MM ANGLED	<a href="http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/">http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/</a>

#### MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	B1, B2, B3, B4	4	BANANA JACK BLACK	530-108-0903-1
DPDT ON-OFF-ON	SW1, SW2, SW3, SW4	4	TOGGLE SWITCH	633-M202301
VTL5C3	V1, V2, V3, V4, V5, V6, V7, V8	8	SINGLE VACTROL	<a href="http://smallbear-electronics.mybigcommerce.com/photocoupler-xvive-vtl5c3-work-alike">http://smallbear-electronics.mybigcommerce.com/photocoupler-xvive-vtl5c3-work-alike</a>
	J1, J3, J4, J6, J7, J9, J10, J12, J13, J14	10	TINY JAX	502-41
	J2, J5, J8, J11	4	TINY JAX NORMALIZED	502-42A
		1	POWER CONNECTOR	587-306-50-010
		4	SMALL DAVIES KNOB	5164-1610AA
		4	NUT FOR 16MM POT	<a href="http://smallbear-electronics.mybigcommerce.com/nut-for-alpha-16mm-potentiometers">http://smallbear-electronics.mybigcommerce.com/nut-for-alpha-16mm-potentiometers</a>
		4	BLUE SWITCH CAP	