

## SIGNAL DELAY UNIT MODEL 277 - v1.0

### SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL074	IC8, IC10	2		511-TL074CN
TL071	IC9	1		595-TL071CP
SPIN FV-1	IC1, IC4	2	DSP	<a href="http://www.smallbearelec.com/servlet/Detail?no=695">http://www.smallbearelec.com/servlet/Detail?no=695</a>
CLOCK CRYSTAL	IC2, IC5	2	32.768 KHz	695-CM200C-327KF-U
24LC32A	IC3, IC6	2	EEPROM	INCLUDED
LM1117	IC7	1	3.3V	926-LM1117IDT3.3NOPB
BAT54S	D2	1		512-BAT54S

### CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1uF	C1, C2, C8, C9, C15, C17, C20, C25, C33, C35	10	FILM 5mm LS	80-R82DC4100AA60J
100pF	C4, C7, C14, C21, C32	5	CERAMIC 5mm LS	140-50N5-101J-RC
1nF	C5, C12, C19, C23, C30, C34, C36	7	FILM 5mm LS	871-B32529C102J
0.1uF	C3, C6, C11, C22, C24, C29, F1, F2, F3, F4, F5, F6, F7, F8	14	CERAMIC 5mm LS	581-SA105E104M
10uFx35V	C10, C16, C18, C26, C27, C28	6	ELECTROLYTHIC 2mm LS	647-URZ1V100MDD
12pF	C13, C31	2	CERAMIC 5mm LS	581-SA102A120JAR

### RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
470R	R1, R8, R18, R21, R25, R33, R38, R47	8	1% 1/4W Resistor	271-470-RC
10R	R2, R23	2	1% 1/4W Resistor	271-10-RC
100K	R3, R10, R17, R36, R40, R41, R44, R45, R46, R48, R49, R50	12	1% 1/4W Resistor	271-100K-RC
220R	R4	1	1% 1/4W Resistor	271-220-RC
30K	R5, R11, R20, R22, R27, R35, R43	7	1% 1/4W Resistor	271-30K-RC
27K	R6	1	1% 1/4W Resistor	271-27K-RC
49K9	R7	1	1% 1/4W Resistor	271-49.9K-RC
8K2	R9	1	1% 1/4W Resistor	271-8.2K-RC
20K	R12, R13, R14, R15, R26, R28, R29, R30, R31, R34, R39	11	1% 1/4W Resistor	271-20K-RC
150K	R16	1	1% 1/4W Resistor	271-150K-RC
51K	R19, R37	2	1% 1/4W Resistor	271-51K-RC
82K	R24, R32	2	1% 1/4W Resistor	271-82K-RC
10K	R42	1	1% 1/4W Resistor	271-10K-RC
10-100K	POT1, POT2, POT3, POT5	4	Audio Potentiometer	<a href="http://www.smallbearelec.com/servlet/Detail?no=692">http://www.smallbearelec.com/servlet/Detail?no=692</a>
10-100K	POT4, POT6	2	Linear Potentiometer	<a href="http://www.smallbearelec.com/servlet/Detail?no=692">http://www.smallbearelec.com/servlet/Detail?no=692</a>
100K	TR1, TR2	2	Single-turn Trimmer	858-25PR100KLF

### MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	LED1	1	5mm Red LED	604-WP7113ID5V
	SW1	1	DIP Switch	774-2092MS
	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12	12	Tinijax	502-41
	B1	1	Black Banana Jack	530-108-0903-1
		1	LED Bezel	749-CR-175
		1	Power Connector	587-306-50-010
		8	15mm FF standoff	