

TRIPLE ENVELOPE FOLLOWER MODEL 230 - v2.0

SEMICONDUCTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
TL074	IC1	3	LOW-NOISE JFET-INPUT OPERATIONAL AMPLIFIER	511-TL074CN
2N3904	Q1	3	NPN General Purpose Amplifier	610-2N3904

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
47nF	C5, C7	6	Film Capacitor (5mm LS)	871-B32529C1473J
100pF	C1, C6	6	Ceramic Capacitor (5mm LS)	140-50S5-101J-RC
0.1uF	F1, F2	2	Ceramic Capacitor (5mm LS)	581-SA105E104M
10uF x 35V	C8, C9	2	Electrolytic Capacitor (2mm LS)	647-UVR1H100MDD1TA
1uF	C2, C3	6	SMD Tantalum Capacitor (case B)	581-TAJB105K035
4.7uF	C4	3	SMD Tantalum Capacitor (case D)	80-T491D475K035

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
33K	R1, R2, R10, R15, R17, R18, R23	21	1% 1/4W Resistor	271-33K-RC
220R	R3	3	1% 1/4W Resistor	271-220-RC
10M	R4, R9	6	5% 1/4W Resistor	291-10M-RC
150K	R5	3	1% 1/4W Resistor	271-150K-RC
22M	R6	3	5% 1/4W Resistor	291-22M-RC
68K	R7, R8	6	1% 1/4W Resistor	271-68K-RC
15K	R11	3	1% 1/4W Resistor	271-15K-RC
10K	R12, R21	6	1% 1/4W Resistor	271-10K-RC
4K7	R13	3	1% 1/4W Resistor	271-4.7K-RC
330K	R14, R22	6	1% 1/4W Resistor	271-330K-RC
1K	R16, R28	6	1% 1/4W Resistor	271-1K-RC
4M7	R19	3	5% 1/4W Resistor	291-4.7M-RC
100K	R20	3	1% 1/4W Resistor	271-100K-RC
6K8	R24	3	1% 1/4W Resistor	271-6.8K-RC
50K Audio	POT1	3	16mm Angled	http://www.smallbearelec.com/servlet/Detail?no=692
1M Audio	POT2	3	16mm Angled	http://www.smallbearelec.com/servlet/Detail?no=692
5K	TR1	3	Single-turn Trimmer	858-25PR5KLF

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
	L1, L2	2	Ferrite Bead	667-EXC-ELSA35V
	LED1	3	3mm Red LED	630-HLMP-K101
1N5228	Z1	3	3.9V Zener Diode	512-1N5228B
1N457	D1, D2, D3	9	Small Signal Diode	512-1N457
SPDT	SW1	3	SPDT ON-ON SWITCH	108-1MS1T1B1M1QE-EVX
	XS2	3	Tinijax	502-41
	XS1, XS4	6	Blue Banana Jack	530-108-0910-1
	XS3	3	Red Banana Jack	530-108-0902-1
	XS5	1	Power Connector	587-306-50-010
		3	Red Switch Caps	108-00323-EV
		3	14-PIN DIP Socket	535-14-3518-10