

TRIPLE ENVELOPE FOLLOWER MODEL 230**BILL OF MATERIALS REV 2.1****SEMICONDUCTORS**

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1N457	D1, D2, D3, D4, D5, D6, D7, D8, D9	9		512-1N457
1N5228	Z1, Z2, Z3	3		78-1N5228B
2N3904	Q1, Q2, Q3	3		610-2N3904
TL074	IC1, IC2, IC3	3		595-TL074CN

CAPACITORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
1uF	C8, C9, C15, C16, C22, C23	6	ELECTROLYTIC 2MM LS	647-URS1H010MDD
4.7uF	C10, C17, C24	3	ELECTROLYTIC 2MM LS	647-URZ1H4R7MDD
15uF	C2, C4, C6	3	ELECTROLYTIC 2MM LS	667-EEA-GA1E150
100pF	C7, C13, C14, C20, C21, C27	6	CERAMIC 5MM LS	581-SA102A101J
47000pF	C11, C12, C18, C19, C25, C26	6	CERAMIC 5MM LS	581-SA105C473KAR
0.1uF	C1, C3, C5, F1, F2, F3, F4, F5, F6	9	CERAMIC 5MM LS	581-SA105E104M

RESISTORS

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
220R	R3, R28, R53	3	1% 1/4W	271-220-RC
1K	R16, R25, R41, R50, R66, R75	6	1% 1/4W	271-1K-RC
4K7	R13, R38, R63	3	1% 1/4W	271-4.7K-RC
6K8	R24, R49, R74	3	1% 1/4W	271-6.8K-RC
10K	R12, R21, R37, R46, R62, R71	6	1% 1/4W	271-10K-RC
15K	R11, R36, R61	3	1% 1/4W	271-15K-RC
33K	R1, R2, R10, R15, R18, R20, R23, R26, R27, R35, R40, R43, R45, R48, R51, R52, R60, R65, R68, R70, R73	21	1% 1/4W	271-33K-RC
68K	R7, R8, R32, R33, R57, R58	6	1% 1/4W	271-68K-RC
100K	R19, R44, R69	3	1% 1/4W	271-100K-RC
150K	R6, R31, R56	3	1% 1/4W	271-150K-RC
330K	R14, R22, R39, R47, R64, R72	6	1% 1/4W	271-330K-RC
4M7	R17, R42, R67	3	5% 1/4W	291-4.7M-RC
10M	R4, R9, R29, R34, R54, R59	6	5% 1/4W	291-10M-RC
22M	R5, R30, R55	3	5% 1/4W	291-22M-RC
5K	TR1, TR2, TR3	3	SINGLE TURN	652-3362P-1-502LF
10-100K LOG	POT1, POT3, POT5	3	16MM	http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/
1M LOG	POT2, POT4, POT6	3	16MM	http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-16mm-right-angle-pc-mount/

MISC

VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#
		6	BANANA JACK BLUE	530-108-0910-1
		3	BANANA JACK RED	530-108-0902-1
	LED1, LED2, LED3	3	RED 3MM LED	630-HLMP-K101
	J1, J2, J3	3	TINIJAX	502-41
SPDT ON-ON	SW1, SW2, SW3	3	TOGGLE SWITCH	633-M201201
		1	POWER CONNECTOR	587-306-50-010