

SOURCE OF UNCERTAINTY MODEL 266 - BUCHLA-FORMAT - v2.0 (PCB1)

RESISTORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
B10K	POT1, POT2, POT3, POT4, POT5	5	9MM POTENTIOMETER	http://www.mammothelectronics.com/RD901F-40-15R1-B-p/209-100-b.htm	
MISC					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
	J1, J2, J3, J4, J5, J6	6	Tini-jax	502-41	
		3	Orange Banana Jack	530-108-0906-1	
		7	Black Banana Jack	530-108-0903-1	
		2	Red Banana Jack	530-108-0902-1	
		5	Blue Banana Jack	530-108-0910-1	
		5	Violet Banana Jack	530-108-0912-1	
	LED1, LED2, LED3, LED4, LED5, LED6	6	3mm Red LED	630-HLMP-K101	
	XS1	1	24PIN PLD connector (male)	517-929836-01-24-RK	
	XS2	1	20PIN PLD connector (male)	517-929836-01-20	

SOURCE OF UNCERTAINTY MODEL 266 - BUCHLA-FORMAT - v2.0 (PCB2)

SEMICONDUCTORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
1N457	D1, D2, D3, D4, D5, D6, D7	7		512-1N457	
TL074	IC1, IC3, IC5, IC10, IC13	5		511-TL074CN	
MM5837	IC2A	1	White Noise Generator	http://www.gameroomrepair.com/ICparts/ICparts.htm#MM5837	
TL072	IC4	1		511-TL072CN	
NE556	IC6	1		511-NE556	
CD4016	IC7, IC8, IC11	3		595-CD4016BE	
CD4030	IC9	1		595-CD4030BE	
CD4006	IC12	1			
2N3904	Q1, Q2, Q3, Q4	4		610-2N3904	
1N5228	Z1, Z2	2		512-1N5228B	

CAPACITORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
47nF	C1, C19	2	FILM 5MM LS	871-B32529C473K	
100pF	C4, C6, C10, C26	4	CERAMIC 5MM LS	140-100N5-101J-RC	
10nF	C20, C25, C38, C47	4	FILM 5MM LS	871-B32529C103K	
470pF	C21	1	CERAMIC 5MM LS	140-50S5-471J-RC	
1uF	C22, C27, C36, C37, C45, C46	6	TANTALUM AXIAL	74-173D105X9035VWE3	
220pF	C23	1	CERAMIC 5MM LS	140-50S5-221J-RC	
2nF	C24	1	FILM 5MM LS	871-B32529C222J	
22nF	C28	1	FILM 5MM LS	871-B32529C223J	
910pF	C29, C33, C39, C43	4	FILM 5MM LS	871-B32529C102J	
10uF	C31, C32, C41, C42	4	TANTALUM AXIAL	74-173D106X9035XWE3	
2.2uF	C52, C53	2	TANTALUM AXIAL	74-173D35V2.2	

RESISTORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
10K	R1, R17, R25, R31, R38, R44, R71, R76, R79, R81, R82, R85, R87, R89, R91, R96, R105, R117, R127	19	1% 1/4W Resistor	271-10K-RC	
2M2	R3, R40	2	5% 1/4W Resistor	291-2.2M-RC	
100K	R4, R7, R13, R16, R20, R21, R26, R28, R35, R41, R49, R51, R56, R57, R77, R84, R90, R108, R109, R112, R129, R130	22	1% 1/4W Resistor	271-100K-RC	
1M	R9, R14, R22, R29, R36, R42, R111, R132	8	1% 1/4W Resistor	271-1.0M-RC	
680R	R10	1	1% 1/4W Resistor	271-680-RC	
24K9	R11	1	1% 1/4W Resistor	271-24.9K-RC	
220R	R12, R19, R50, R55	4	1% 1/4W Resistor	271-220-RC	
1M2	R15, R23, R30, R37, R45	5	1% 1/4W Resistor	271-1.2M-RC	
49K9	R18	1	1% 1/4W Resistor	271-49.9K-RC	
120K	R24, R43, R80	3	1% 1/4W Resistor	271-120K-RC	
6K8	R27, R60, R104, R125	4	1% 1/4W Resistor	271-6.8K-RC	
2K2	R32, R61, R107, R128	4	1% 1/4W Resistor	271-2.2K-RC	
200K	R33	1	1% 1/4W Resistor	271-200K-RC	
100R	R102, R123	2	1% 1/4W Resistor	271-100-RC	
402K	R39	1	1% 1/4W Resistor	271-402K-RC	
68K1	R46	1	1% 1/4W Resistor	271-68.1K-RC	
820K	R47	1	1% 1/4W Resistor	271-820K-RC	
47K	R48, R52, R53, R68	4	1% 1/4W Resistor	271-47K-RC	
150K	R54, R72, R93, R114	4	1% 1/4W Resistor	271-150K-RC	
82K	R58	1	1% 1/4W Resistor	271-82K-RC	
60K1	R59	1	1% 1/4W Resistor	271-60.4K-RC	
1K	R63, R64, R65, R66, R94, R115	6	1% 1/4W Resistor	271-1K-RC	
220K	R67	1	1% 1/4W Resistor	271-220K-RC	
39K	R69	1	1% 1/4W Resistor	271-39K-RC	
4K7	R70, R100, R121	3	1% 1/4W Resistor	271-4.7K-RC	
12K	R73	1	1% 1/4W Resistor	271-12K-RC	
470K	R74, R75	2	1% 1/4W Resistor	271-470K-RC	
180K	R78	1	1% 1/4W Resistor	271-180K-RC	
27K	R83	1	1% 1/4W Resistor	271-27K-RC	
33K	R86, R88, R92, R101, R113, R122	6	1% 1/4W Resistor	271-33K-RC	
3K3	R95, R116	2	1% 1/4W Resistor	271-3.3K-RC	
10M	R97, R98, R99, R118, R119, R120	6	5% 1/4W Resistor	291-10M-RC	
10R	R103, R124	2	1% 1/4W Resistor	271-10-RC	
22M	R106, R126	2	5% 1/4W Resistor	291-22M-RC	
820R	R34, R62, R110, R131	4	1% 1/4W Resistor	271-820-RC	

MISC					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
	TRANSIT1, TRANSIT2	2	24PIN PBD connector (female)	517-929852-01-12-RA	
	XS2	1	20PIN PBD connector (female)	517-929975-01-10-RK	
VTL5C3	V1, V3	2	Single Vactrol	http://www.smallbearlec.com/servlet/Detail?no=347	
VTL5C3/2	V2, V4	2	Dual Vactrol	http://www.smallbearlec.com/servlet/Detail?no=349	

SOURCE OF UNCERTAINTY MODEL 266 - BUCHLA-FORMAT - v2.0 (PCB3)

SEMICONDUCTORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
1N457	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11	11		512-1N457	
TL071	IC1	1		511-TL071CN	
CA3080	IC2	1		http://www.mammothelectronics.com/CA3080E-2MHz-Operational-Transconductance-Amplifi-p/400-1093.htm	
LF398	IC3, IC7	2		926-LF398N/NOPB	
CD4013	IC4, IC8	2		595-CD4013BE	
CD4016	IC5	1		595-CD4016BE	
TL074	IC6, IC12, IC15	3		511-TL074CN	
7805	IC9	1		512-LM7805ACT	
7812	IC10	1		512-LM7812ACT	
CD4030	IC11	1		595-CD4030BE	
CD4015	IC13, IC14	2		595-CD4015BE	
7810	IC16	1		512-LM7810ACT	
2N3906	Q1, Q2	2		610-2N3906	
J201	Q3	1		http://www.mammothelectronics.com/J201-N-Channel-JFET-General-Purpose-Amplifier-p/100-1042.htm	
2N3904	Q4, Q5	2		610-2N3904	
1N5240	Z1	1		512-1N5240B	

CAPACITORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
1uF	C1, C9, C11, C18	4	TANTALUM AXIAL	74-173D105X9035VWE3	
10nF	C2, C7	2	FILM 5MM LS	871-B32529C103K	
180nF	C3, C4	2	FILM 5MM LS	667-ECQ-V1H184JL	
100pF	C5, C20, C21, C22, C23	5	CERAMIC 5MM LS	140-100N5-101J-RC	
47nF	C6, C8, C17	3	FILM 5MM LS	871-B32529C473K	
100uF	C13, C16	2	ELECTROLYTHIC RADIAL	80-ESH107M035AE3AA	
0.1uF	F1, F2, F3, F4, F5	5	CERAMIC 5MM LS	581-SA105E104M	

RESISTORS					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
10K	R1, R4, R7, R12, R13, R15, R22, R31, R36, R38, R43, R45, R49, R103, R111	15	1% 1/4W Resistor	271-10K-RC	
100K	R2, R8, R10, R18, R19, R28, R33, R39, R41, R46, R50, R59, R76, R85, R86, R90, R97, R100, R110	19	1% 1/4W Resistor	271-100K-RC	
150K	R3, R68, R74, R75, R93	5	1% 1/4W Resistor	271-150K-RC	
2K	R5	1	1% 1/4W Resistor	271-2K-RC	
120K	R6, R32, R34, R42, R52, R53, R61, R63, R65	9	1% 1/4W Resistor	271-120K-RC	
2M2	R9, R30, R51, R57	4	5% 1/4W Resistor	291-2.2M-RC	
1K	R11, R16, R24, R25	4	1% 1/4W Resistor	271-1K-RC	
220R	R14, R21, R23, R84, R92	5	1% 1/4W Resistor	271-220-RC	
1M	R17, R55	2	1% 1/4W Resistor	271-1.0M-RC	
22K	R20, R27	2	1% 1/4W Resistor	271-22K-RC	
47K	R26, R29, R35, R44, R47, R48, R56, R58, R60, R81, R107, R112	12	1% 1/4W Resistor	271-47K-RC	
220K	R37	1	1% 1/4W Resistor	271-220K-RC	
15K	R40, R94, R96, R113	4	1% 1/4W Resistor	271-15K-RC	
33K	R54, R101	2	1% 1/4W Resistor	271-33K-RC	
130K	R62, R70, R72	3	1% 1/4W Resistor	271-130K-RC	
180K	R64, R66, R73	3	1% 1/4W Resistor	271-180K-RC	
200K	R67, R69, R71, R77	4	1% 1/4W Resistor	271-200K-RC	
820K	R78	1	1% 1/4W Resistor	271-820K-RC	
390K	R79	1	1% 1/4W Resistor	271-390K-RC	
1M5	R80	1	1% 1/4W Resistor	271-1.5M-RC	
3M3	R82	1	5% 1/4W Resistor	291-3.3M-RC	
24K	R83	1	1% 1/4W Resistor	271-24K-RC	
6K8	R87, R95	2	1% 1/4W Resistor	271-6.8K-RC	
2K2	R88, R108	2	1% 1/4W Resistor	271-2.2K-RC	
820R	R89, R109	2	1% 1/4W Resistor	271-820-RC	
30K	R91	1	1% 1/4W Resistor	271-30K-RC	
18K	R98, R102, R104	3	1% 1/4W Resistor	271-18K-RC	
4K7	R99, R105, R106	3	1% 1/4W Resistor	271-4.7K-RC	
100K	TR1	1	SINGLE-TURN TRIMMER	858-25PR100KLF	

MISC					
VALUE	DESIGNATOR	QTY	DESCRIPTION	MOUSER PART#	
	XS1	1	24PIN PLD connector (male)	517-929836-01-24-RK	
		1	Power EDGE connector	587-306-50-010	