

Appendix B: Digital Board Bill of Material

Resistors

Value	Quantity	Designators	Tolerance
100K	24	R23 – R26, R30, R49, R52 – R62, R81 – R84, R89, R90, R94	1%, 1/4W
15K	2	R29, R79	1%, 1/4W
1K5	8	R71 – R78	5%, 1/4W
1M5	2	R92, R93	5%, 1/4W
22K	25	R1 – R22, R50 – R51, R80	5%, 1/4W
220K	2	R27 – R28	5%, 1/4W
270K	1	R91	5%, 1/4W
3K	8	R63 – R70	5%, 1/4W
4K7	6	R31, R48, R85 – R88	5%, 1/4W
6K8	16	R32-R47	5%, 1/4W

Capacitors

Value	Quantity	Designators	Type
1 nF (.001 uF)	6	C6 – C10, C18	Metal Poly
10 nF	4	C19 – C22	Metal Poly
100 nF (0.1 uF)	15	C1-C5, C13 – C16, C23 – C28	Ceramic
47 nF (.047 uF)	2	C11, C12	Metal Poly
47 uF	1	C17	Electrolytic, 25V

Diodes

Value	Quantity	Designators	Description
1N4148	7	D1-D7	Diode, Si

Transistors

Value	Quantity	Designators	Description
2N3904	6	Q1-Q6	NPN