Relay Table

Band	SET Relays BPF	LPF	VCO
160m	K2	160m-K1	-
80m	K2, K3	K8	K13
40m	K1	K12	K13, K14
30m	K3, K4	K9	K14, K15
20m	K4	K9	K13, K14, K15
17m	K5	K11	K13, K15
15m	K5, K6	K11	K15
12m	K6, K7	K10	K13, K14, K15
10m	K7	K10	K13, K15

NOTE: All relays are single-coil latching type and are shown in the RESET position in schematics. Relay pins 5 and 6 are not connected internally.

VCO Table

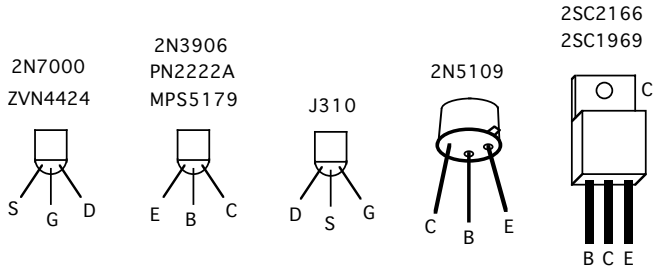
Band	Fixed Cap., pF	Total Cap., pF*	VCO Freq. at band edge**
160m	C75 (470)	525-629	6715 (subtract)
80m	C72 (270)	325-429	8415 (subtract)
40m	C70+C71+C73 (134)	169-198	11915 (subtract)
30m	C73+C74 (67)	102-131	14915 (subtract)
20m	C74 (20)	55-84	18915 (subtract)
17m	none (0)	35-64	22915 (subtract)
15m	C73 (47)	82-111	16085 (add)
12m	C74 (20)	55-84	19975 (add)
10m	none (0)	35-64	23085 (add)

* This includes capacitance of varactor diodes D23-D26 on all bands, D21 and D22 on 80 and 160 meters, and stray capacitance. Only a portion of the indicated capacitance range is actually used to cover each Amateur band segment. VCO frequency can be calculated based on a total inductance of 0.95 μH (T5 in parallel with L30).

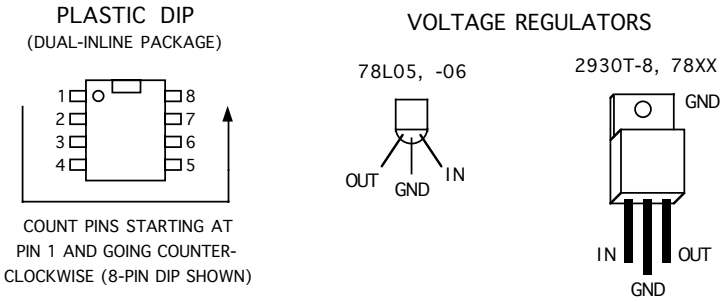
** Based on an I.F. of 4915 kHz (e.g., 6715 - 4915 = 1800).

Diodes

Transistors



Integrated Circuits



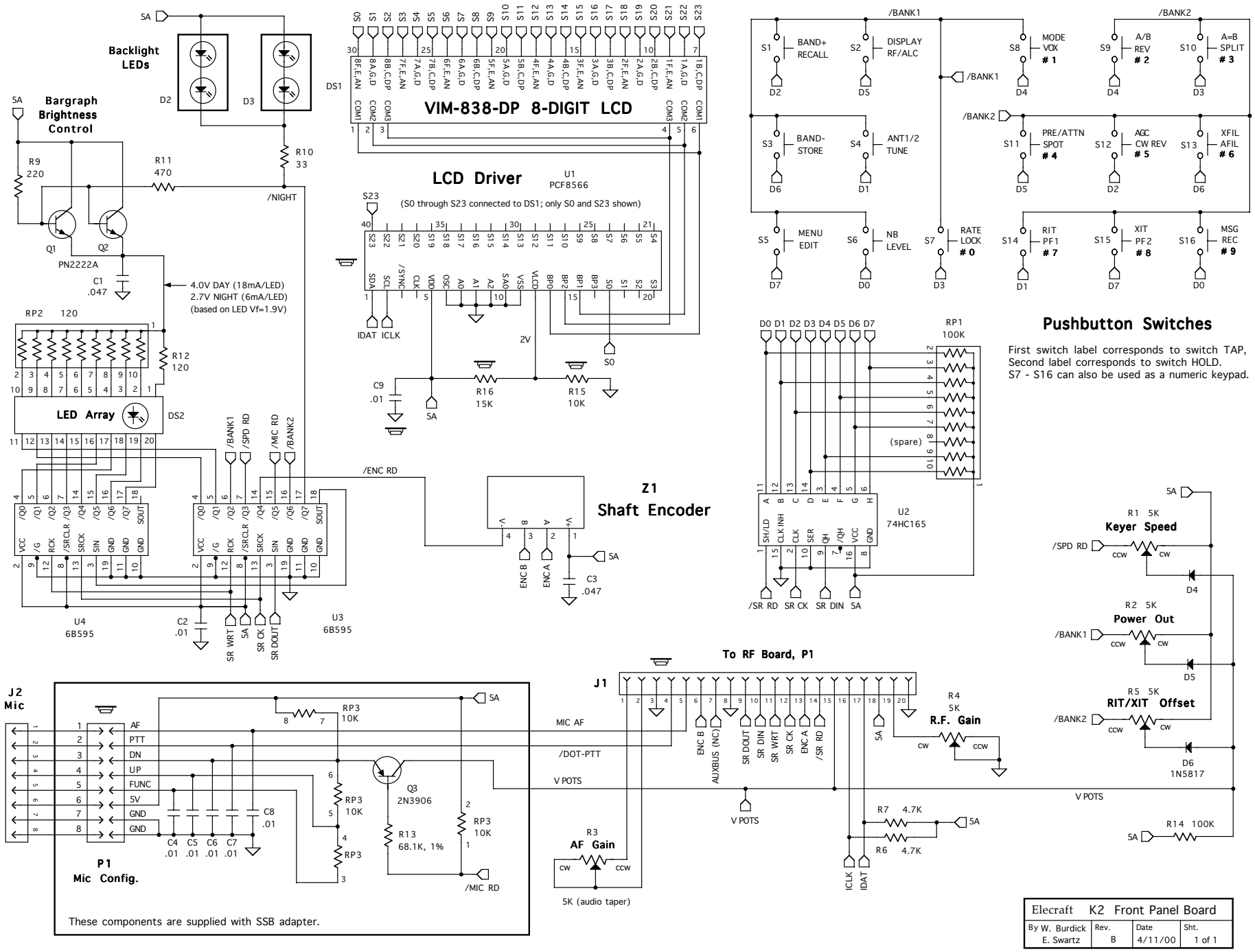
Special Symbols

= On bottom of PC board.

Jumper

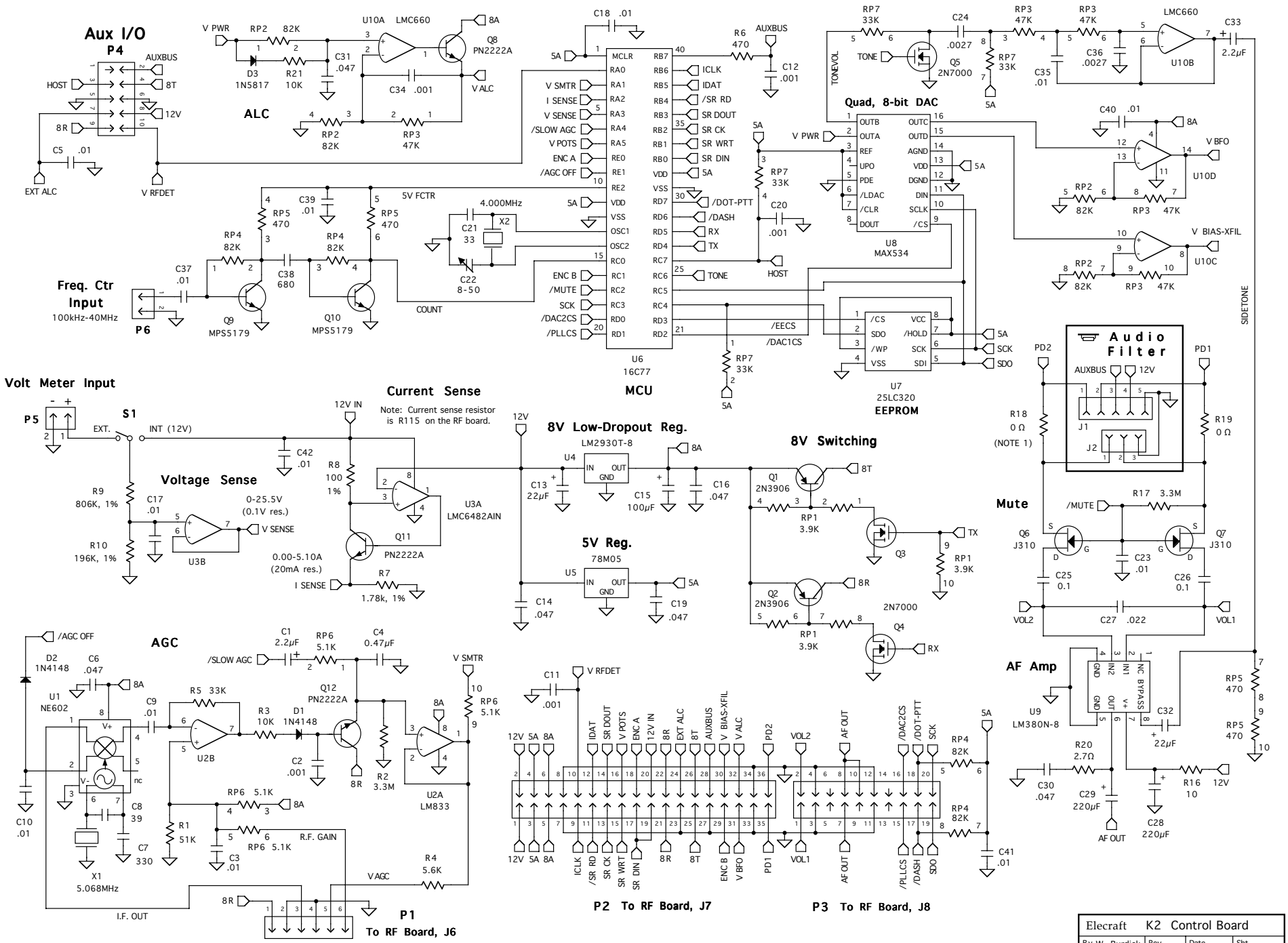
Elecraft K2 Schematic Key			
By W. Burdick E.Swartz	Rev. B	Date 4/20/00	Sht. 1 of 1

Appendix B



Elecraft K2 Front Panel Board			
By W. Burdick E. Swartz	Rev. B	Date 4/11/00	Sht. 1 of 1

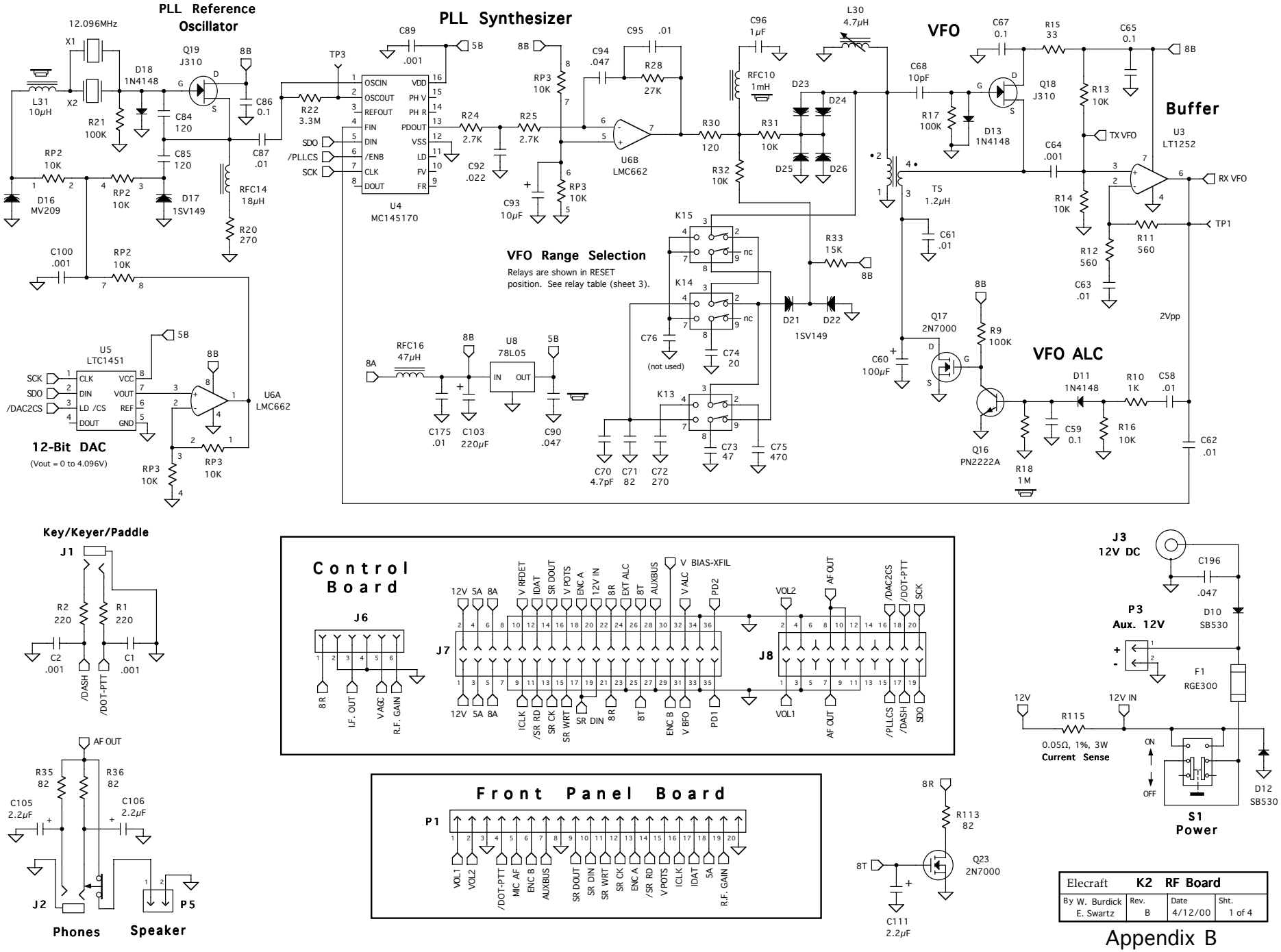
Appendix B



NOTE 1: R18 and R19 are 0 ohms (jumpers) in this version of the K2.
The jumpers must be removed if the Audio Filter option is installed.

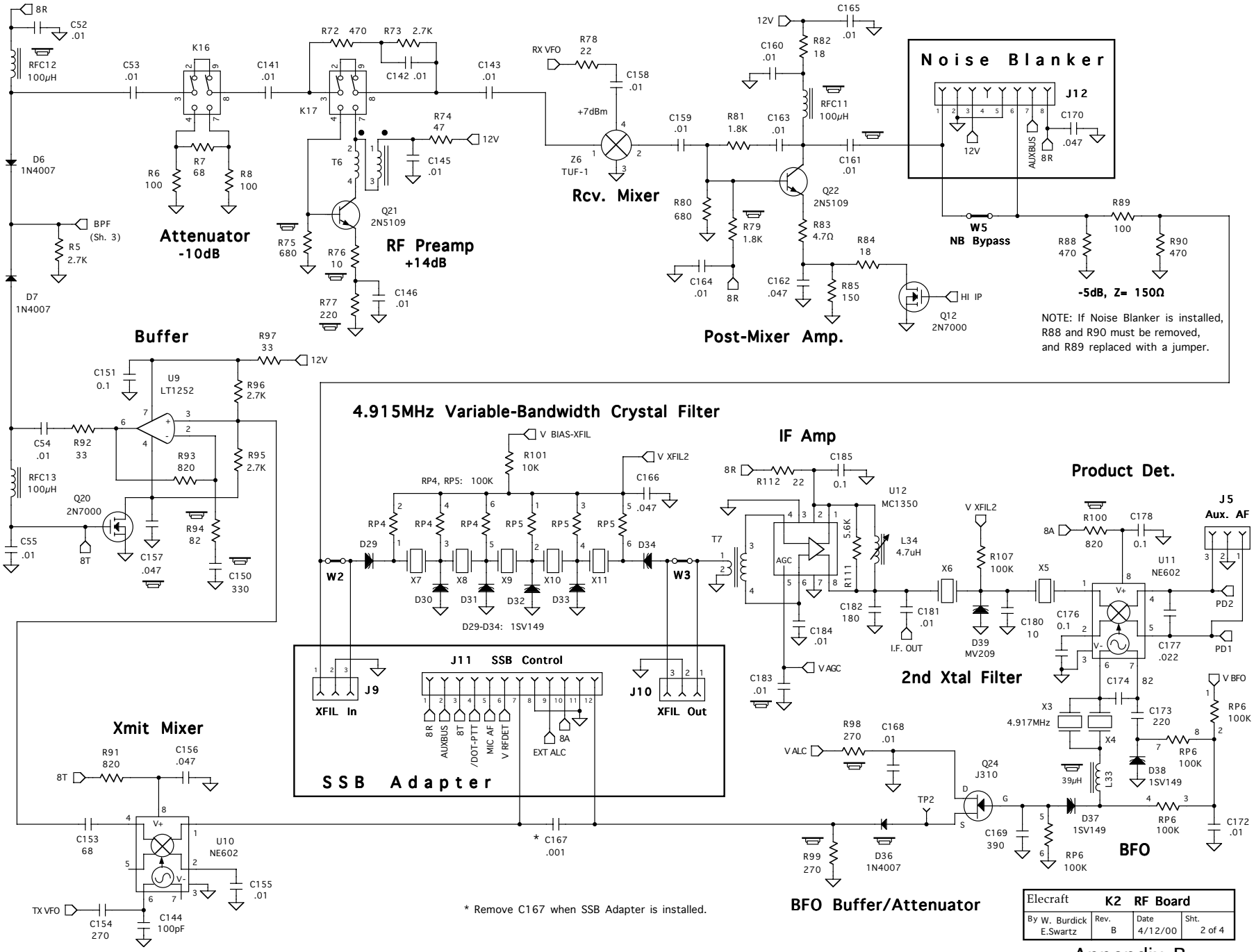
Elecraft K2 Control Board			
By W. Burdick, E. Swartz	Rev. B	Date 4/12/00	Sht. 1 of 1

Appendix B

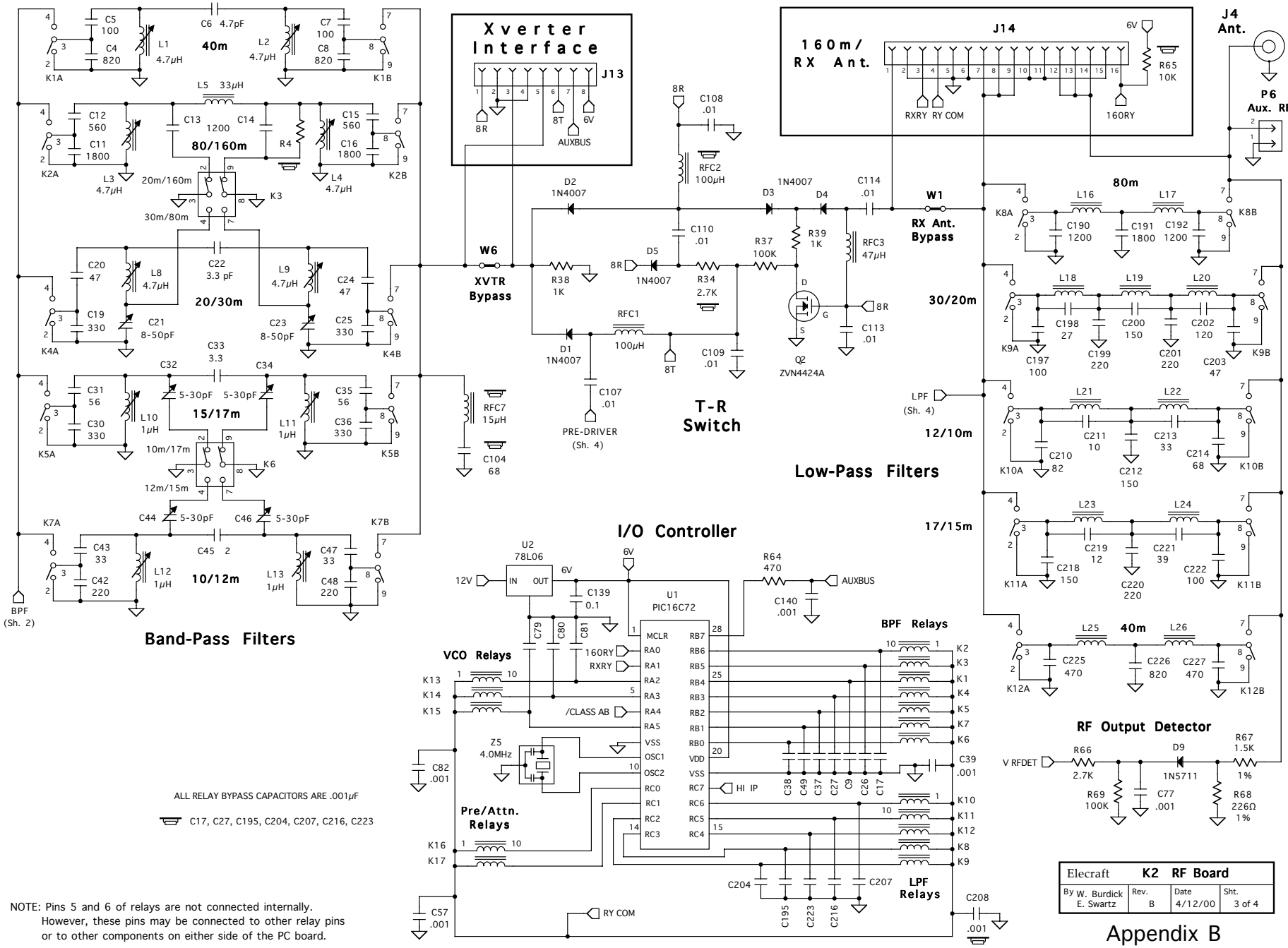


Elecraft	K2 RF Board		
By W. Burdick, E. Swartz	Rev. B	Date 4/12/00	Sht. 1 of 4

Appendix B



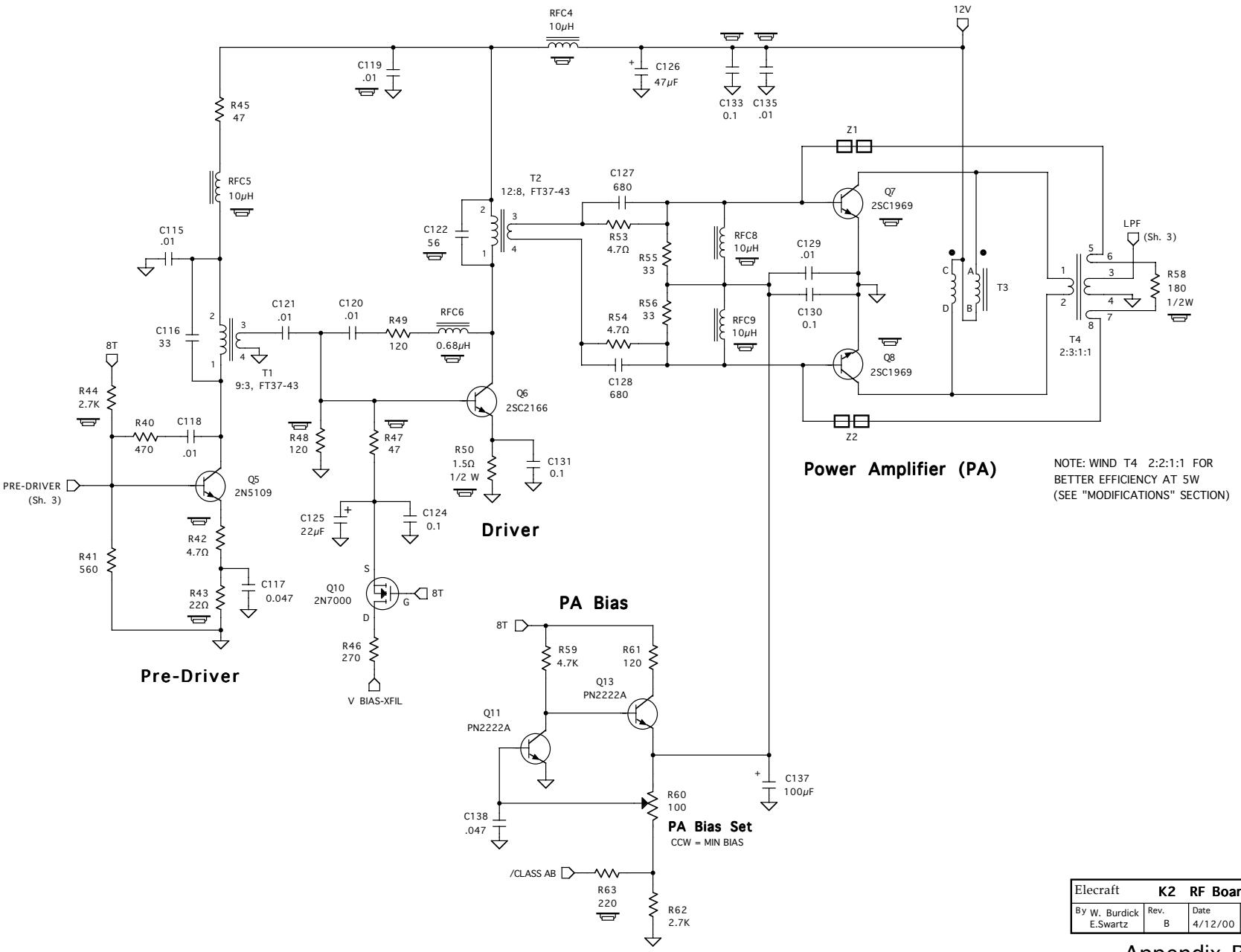
Elecraft	K2 RF Board		
By W. Burdick E.Swartz	Rev. B	Date 4/12/00	Sht. 2 of 4



NOTE: Pins 5 and 6 of relays are not connected internally. However, these pins may be connected to other relay pins or to other components on either side of the PC board.

Elecraft	K2 RF Board		
By W. Burdick E. Swartz	Rev. B	Date 4/12/00	Sht. 3 of 4

Appendix B



Elecraft	K2 RF Board		
By W. Burdick E.Swartz	Rev. B	Date 4/12/00	Sht. 4 of 4

Appendix B