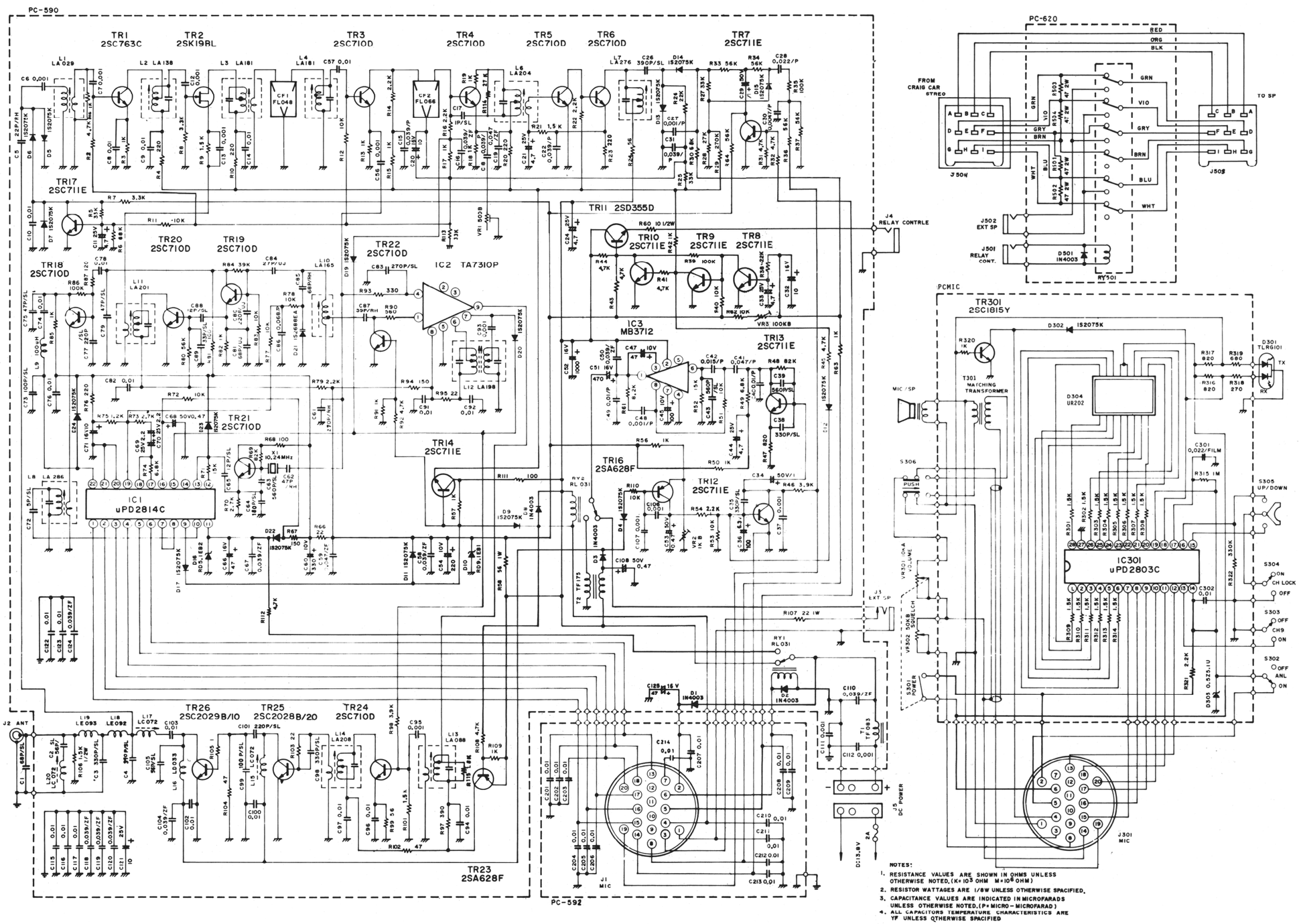
SCHEMATIC DIAGRAM



NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K= 10^3 OHM M= 10^6 OHM)
2. RESISTOR WATTAGES ARE 1/8W UNLESS OTHERWISE SPACIFIED.
3. CAPACITANCE VALUES ARE INDICATED IN MICROFARADS UNLESS OTHERWISE NOTED. (P= MICRO - MICROFARAD)
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE YF UNLESS OTHERWISE SPACIFIED

VOLTAGE CHART

	(RX) E	(RX) B	(RX) C	(TX) E	(TX) B	(TX) C
TR1	.73	1.41	8.46	0	-.09	.23
TR2 (SQ)	2.30	0	8.40	.19	0	.20
(UNSQ) FET	2.30 (SOURCE)	0 (GATE)	8.38 (DRAIN)	(SOURCE)	(GATE)	(DRAIN)
TR3	1.22	1.43	4.59	.08	-.07	-.06
TR4	.84	1.48	7.69	0	-.09	.23
TR5	0	.66	1.77	0	.66	.23
TR6	0	1.77	13.94	0	.23	13.93
TR7	0	0	8.81	0	0	8.70
TR8 (SQ)	0	.62	.05	0	.12	.66
(UNSQ)	0	.12	.71			
TR9 (SQ)	0	6.43	.05	0	0	.66
	0	.03	.71			
TR10 (SQ)	0	.70	.01	0	0	11.09
(UNSQ)	0	.03	11.31			
TR11 (SQ)	0	.01	14.24	0	11.09	13.93
(UNSQ)	0	11.29	14.24			
TR12 (SQ)	0	.66	0	0	0	0
(UNSQ)	0	0	0			
TR13	.71	1.34	1.81	.70	1.33	1.80
TR14 (SQ)	8.76	9.46	12.82	.26	.82	12.71
(UNSQ)	8.76	9.46	12.23			
TR16 (SQ)	2.65	2.10	.65	2.62	2.07	0
(UNSQ)	2.65	2.10	0			
TR17	0	.62	.06	0	-.29	-.73
TR18	0	0	3.59	0	0	3.57
TR19	.97	1.60	8.07	.95	1.59	7.99
TR20	0	.65	1.85	0	.26	1.84
TR21	5.96	6.57	7.96	5.96	6.47	7.88
TR22	0	.72	0	0	0	2.56
TR23	14.23	14.06	.19	13.93	13.12	13.76
TR24	.08	.79	.11	1.30	1.07	12.73
TR25	0	0	14.00	0	-.06	12.70*
TR26	0	0	14.00	0	-.56	0
TR301	0	0	13.21	0	0	.10

*(Voltage measured from opposite side of L15).

Voltages measured on CHANNEL 9 @ no modulation.
ANL-off / CH. 9(AUTO)-off / CH. LOCK-off

Pin #	IC1 (RX)	IC1 (TX)	IC2 (RX)	IC2 (TX)	IC3 (RX)	IC3 (TX)	IC301 (RX)	IC301 (TX)
1	5.20	5.20	.10	2.56	7.15	6.99	11.94	11.62
2	0	.01	0	2.07	14.23	13.92	11.91	11.63
3	0	.01	0	1.23	13.56	13.25	11.89	11.62
4	5.20	5.21	2.58	2.56	0	0	11.92	11.64
5	0	.01	0	0	.06	.05	11.92	11.64
6	0	.01	6.03	5.25	0	0	11.92	11.64
7	0	0	2.05	2.00	.54	.54	5.20	5.21
8	0	0	6.12	5.20	.56	.56	0	.01
9	4.80	.39	.84	11.92			0	.01
10	1.99	1.99					5.20	5.21
11	4.83	4.83					0	.01
12	2.45	2.43					0	.01
13	2.45	2.44					5.19	5.19
14	2.78	2.51					5.22	5.23
15	4.67	4.67					5.19	5.15
16	5.40	5.40					4.44	4.45
17	2.23	2.20					4.74	4.75
18	2.23	2.20					4.71	.84
19	2.82	2.94					5.22	5.22
20	0	0					.45	.45
21	0	0					.47	.47
22	2.35	2.35					11.93	11.65
23							.44	.44
24							.45	.45
25							.47	.47
26							.46	.46
27							0	.01
28							11.90	11.62