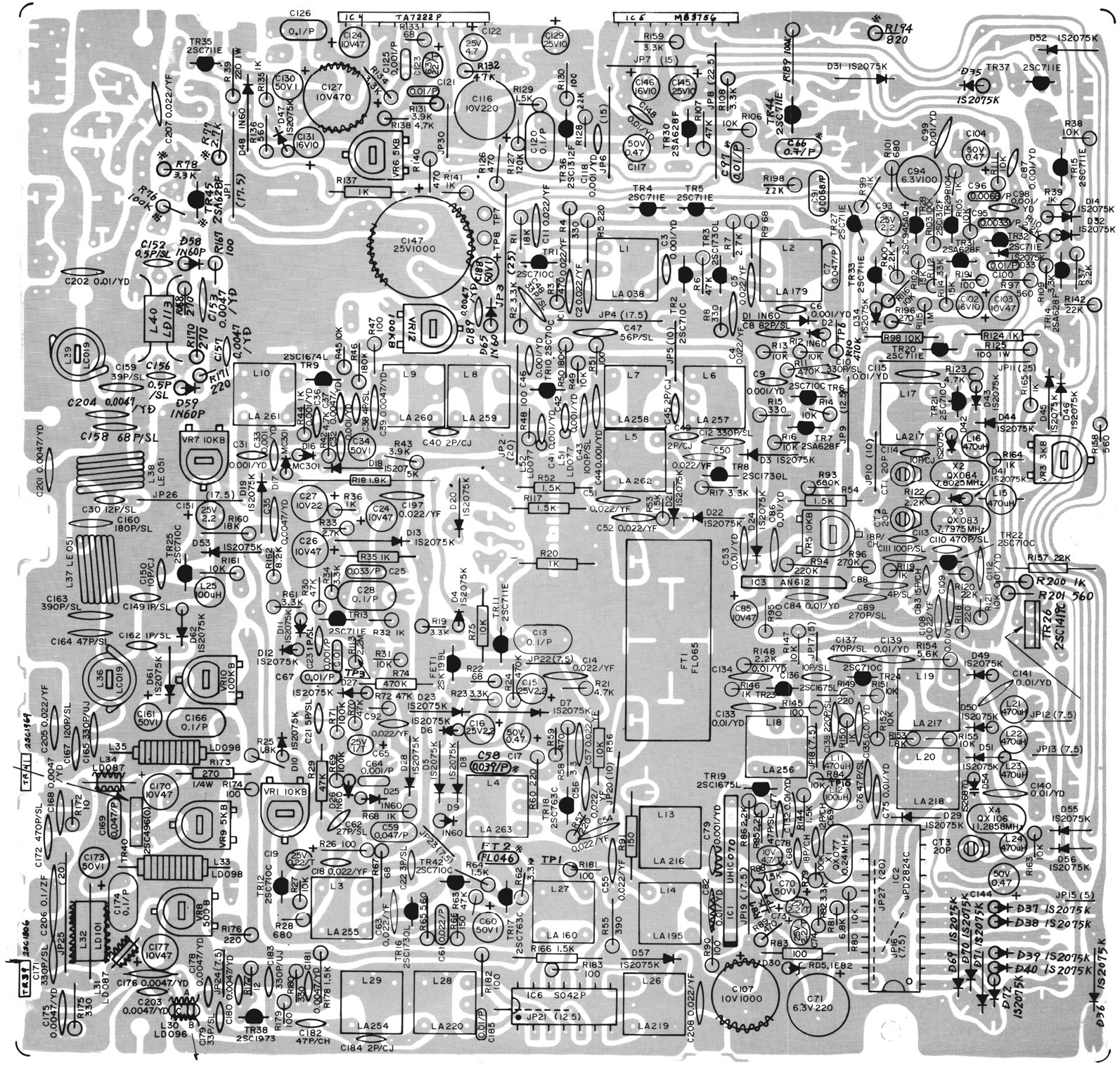
PC-582

MAIN PCB



VOLTAGE CHARTS

MODE	(RX)			(TX)		
	E	B	C	E	B	C
FET1	3.15	.21	8.05	.01	.01	.01
TR1	0	0	0	0	0	0
TR2	0	0	0	0	0	0
TR3	0	0	0	0	0	0
TR4	0	0	0	0	0	0
TR5	0	0	0	0	0	0
TR6	0	0	7.37	0	0	.91
TR7	8.05	7.38	0	.01	.78	-.03
TR8	0	0	0	0	0	0
TR9	.79	.10	8.03	0	0	.01
TR10	.07	.39	7.95	0	0	.01
TR11	2.45	3.15	2.45	0	.01	7.42
TR12	0	.49	7.97	.09	0	.01
TR13 (SQ) (UNSQ)	1.68 .62	1.38 1.24	7.90 0	0	0	0
TR14 (SQ) (UNSQ)	8.06 8.06	7.28 8.06	0 0	.01	.01	0
TR15 (SQ) (UNSQ)	2.04 .28	2.72 0	7.28 8.06	0	0	.01
TR16	3.22	2.46	6.92	0	0	.01
TR17	.73	0	3.94	0	0	.01
TR18	2.72	1.95	7.14	.01	0	.01
TR19	3.96	3.31	8.02	3.95	3.31	8.03
TR20	0	.03	.12	0	-.13	7.55
TR21	0	.12	.82	0	.71	0
TR22	1.56	2.24	7.65	1.64	2.25	7.63
TR23	1.43	.85	7.95	1.42	.85	7.95
TR24	3.46	2.82	7.34	3.45	2.82	7.34
TR25	1.48	0	6.33	2.19	0	6.33
TR26	4.55	5.12	13.74	4.55	5.12	13.57
TR27	0	.11	2.90	1.19	1.88	1.21
TR28	1.63	.99	3.41	1.56	.99	3.41
TR29	.07	.90	1.63	.07	.90	1.55
TR30	3.40	3.42	0	3.40	3.42	0
TR31	6.68	6.45	.67	6.68	6.44	0
TR32	0	.67	0	0	0	0
TR33	3.77	.69	6.34	1.63	.68	6.34
TR34	11.92	6.51	13.73	5.30	6.06	13.52
TR35	6.51	0	13.73	6.06	-.01	13.52
TR36	.25	.90	2.44	0	0	.01
TR37	5.02	5.32	13.74	0	.68	.03
TR38	0	0	.11	.53	1.24	8.00
TR39	0	.11	11.92	0	.67	4.96
TR40	.69	.11	.11	.69	1.39	.72
TR41	0	0	11.92	0	.40	4.39
TR42	3.22	3.94	8.05	0	.01	.01
TR44	0	.11	0	0	.54	-.04
TR45	3.61	5.46	0	0	1.36	0
TR301	6.20	6.83	14.90	6.15	6.71	14.97
TR302	14.37	14.90	0	14.38	14.97	19.58
TR303	13.74	14.37	0	13.67	14.38	19.58
TR304	8.45	9.06	0	8.40	9.01	19.58
*FET501	2.49	-.13	8.03	2.49	-.13	8.03
*TR501	0	0	8.04	0	0	.01
*TR502(SQ) (UNSQ)	.93 0	1.60 0	.97 8.03	0	1.67	.97
*TR503	0	.70	.05	0	.70	.05
*TR504	.04	0	8.04	.03	0	8.04
TR601	0	.65	0	0	.65	0

All voltages measured n CHANNEL 9 @ NO MODULATION.

CONTROL or SWITCH;		SET TO;
MIC GAIN Cont.	(VR405):	MECHANICAL CENTER
RF GAIN Cont.	(VR404):	MECHANICAL CENTER
TONE Cont.	(VR409):	MECHANICAL CENTER
AM/USB/LSB Sw.	(S-403):	"AM" Position
CLARIFIER Cont.	(VR402):	MECHANICAL CENTER
SWR/CAL Cont.	(VR406):	MECHANICAL CENTER
SCAN Sw. (Ch.9)	(S-410):	"OFF" Position
HOLD Sw. (Ch.9)	(S-411):	"OFF" Position
CB/PA Sw.	(S-404):	"CB" Position
NB/ANL Sw.	(S-405):	"OFF" Position
MOD/CAL/SWR	(S-408):	"CAL" Position
MANUAL (POWER) Sw.	(S-402):	"ON" Position
AUTO (POWER) Sw.	(S-417):	"OFF" Position
AUTO (PWR SET) Sw.	(S-412):	"OFF" Position
CLOCK (SET) Sw.	(S-413):	"ON" Position
AC/DC Sw.	(S-409):	"AC" Position

* (CH. 9 SCAN & HOLD switches set to "ON" positions)

IC 601

PIN #	Voltages measured FROM	TO	FROM	TO
1	1.78	1.79	22 0	0
2	.26	.28	23 .25	.28
3	1.77	1.79	24 .26	.28
4	.27	.29	25 0	0
5	.25	.27	26 8.30	8.30
6	.25	.27	27 .65	.65
7	.27	.29	28 0	0
8	1.79	1.81	29 1.12	1.12
9	.27	.29	30 0	0
10	.25	.27	31 8.43	8.43
11	1.75	1.78	32 8.40	8.40
12	.24	.26	33 8.36	8.36
13	.27	.29	34 8.36	8.36
14	.27	.29	35 8.40	8.40
15	.27	.29	36 8.40	8.40
16	.27	.29	37 10.11	10.14
17	1.74	1.75	38 8.37	8.39
18	.27	.29	39 0	0
19	.25	.29	40 8.38	8.38
20	.27	.29	41 .32	2.67
21	.05	.05	42 .27	.29

NOTE: All of the voltages measured on IC601 were made with the clock's readout showing 12:00 PM. As the readout progresses to read 12:01 PM, adjust the CLOCK SET switch for a reading of 12:00 PM once again.
NOTE also that most voltages on the voltage chart show a varying measurement of ±.02 to ±.04 volts. This informs you that when you measure the voltage on a particular pin of the I.C., it can, and will probably vary between the two voltages given on the chart.

PIN #	IC6 (RX)	(TX)	IC501* (SQ)	RX & TX (UNSQ)
1	0	0	.97	8.03
2	.11	7.77	7.82	7.82
3	.11	7.77	0	8.03
4	0	0	0	0
5	.11	7.77	7.82	7.82
6	0	0	7.82	7.82
7	.11	2.81	0	0
8	.11	2.81	7.78	7.78
9	0	0	0	0
10	0	1.44	7.82	7.82
11	-.37	1.37	8.03	8.03
12	0	1.42	0	0
13	-.39	1.36	0	0
14	0	0	8.03	8.03

* (Voltages of IC501 measured with Channel 9 SCAN & HOLD switches "ON".