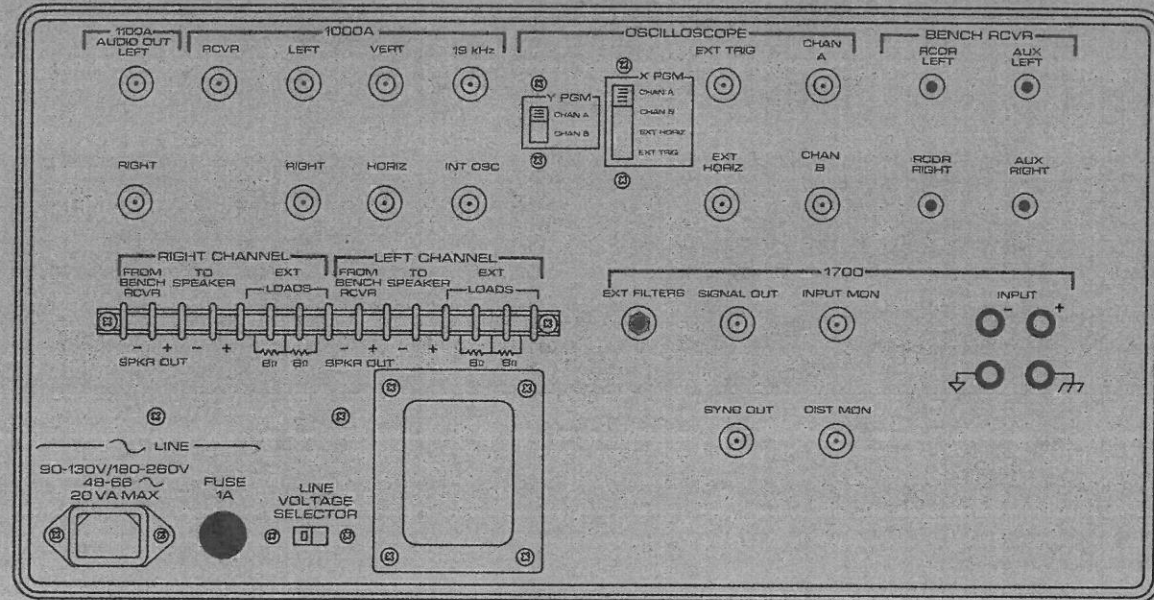


STEREO TEST PANEL



REAR PANEL CONNECTIONS

SPECIFICATIONS

'RIGHT LEVEL' RANGE: Approximately ± 2 dB with respect to left channel. Left channel is unity gain to AUX/TAPE output, 34 dB attenuation to PHONO output.

'BENCH RECEIVER LEVEL' RANGE: 16 dB gain to 50 dB attenuation of receiver's recorder output.

FILTERS:

A, B, C: accurate to within 0.5 dB of ANSI spec. IEEE-IHF HIGH PASS: 3 dB point is 200 Hz, 36 dB per octave rolloff.

IEEE-IHF LOW PASS: 3 dB point is 15 kHz, attenuation greater than 30 dB at 19 kHz and above, 36 dB per octave rolloff. Attenuation greater than 50 dB at 19 kHz and 38 kHz.

A, B, C and IEEE-IHF: Filters are usable only with the Model 1700.

INVERSE RIAA: accurate to within .05 dB.

SEPARATION: Greater than 70 dB to 20 kHz in all functions. Specification applies with RCDR inputs terminated in $1k\Omega$ and SPEAKERS inputs terminated in 8Ω .

AUX/TAPE OUTPUT IMPEDANCE: Less than 1Ω .

PHONO OUTPUT IMPEDANCE: Approx. 75Ω .

DISTORTION AND NOISE: Test signal buffers add less than .002% distortion and noise from 10 Hz to 20 kHz, increasing to less than .05% at 100 kHz.

SWITCHING CAPACITY OF 'LOAD' SWITCHES: 400 watts into 4, 8 or 16Ω .

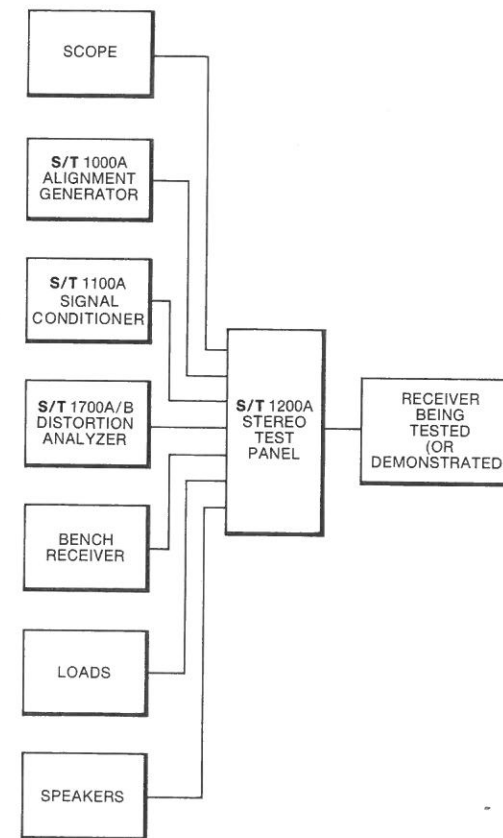
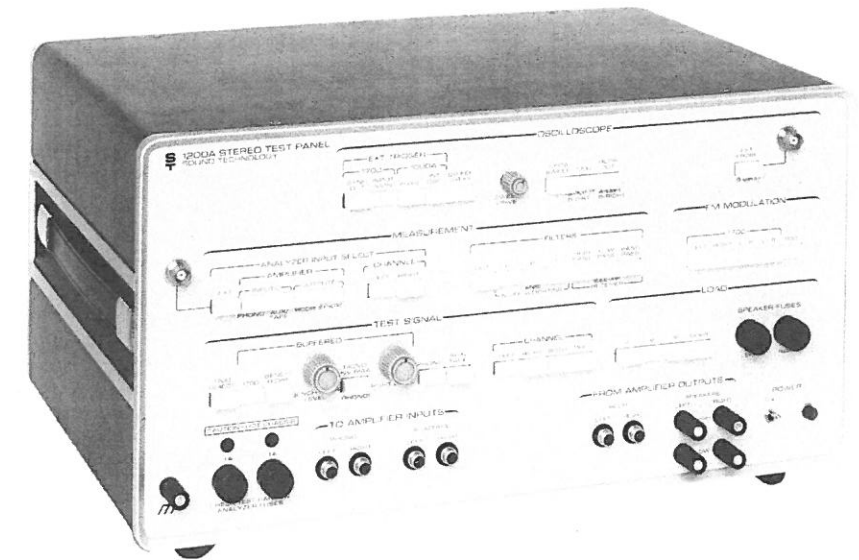
GENERAL:

DIMENSIONS: 17.2 inches wide, 8.7 inches high, 12 inches deep.

POWER: 90 to 130V or 180 to 260V, 50 to 60 Hz, 13 watts.

WEIGHT: 25 lbs.

SHIPPING WEIGHT: 35 lbs.



Interconnect your test equipment in a fast easy-to-use system

- You need connect the receiver under test only to the 1200A
- Save test time by eliminating re-cabling
- Run fast, efficient clinics
- Switch-select A, B, C weighting filters, IHF tuner filters, or inverse RIAA equalization
- Eliminate hookup errors, thus saving time and protecting equipment

S/T SOUND TECHNOLOGY
 1400 DELL AVENUE
 CAMPBELL, CALIFORNIA 95008
 (408) 378-6540



SOUND TECHNOLOGY
 1400 DELL AVENUE
 CAMPBELL, CALIFORNIA 95008
 (408) 378-6540

MODEL 1200A

STEREO TEST PANEL

- Turn your test equipment into an operating system
- Run clinics that sell
- Reduce operator error
- Use the built-in filters to make measurements quickly

Easily switch scope trigger signals.

Control horizontal display of scope for tuner sweep alignment.

Change scope vertical display at the touch of a button.

A, B, and C weighting filters for amplifier noise measurements.

New IEEE-IHF filters for tuner measurements.

Two pushbuttons turn your distortion analyzer into a stereo instrument.

Your distortion analyzer can monitor any amplifier input or output without recabling.

Connect your bench receiver to the test system by pushing a button.

Control bench receiver recorder output level.

Inverse RIAA filter for phono equalization tests.

Quickly set left and right channels for equal output power.

Apply audio generator to amplifier's phono or auxiliary input.

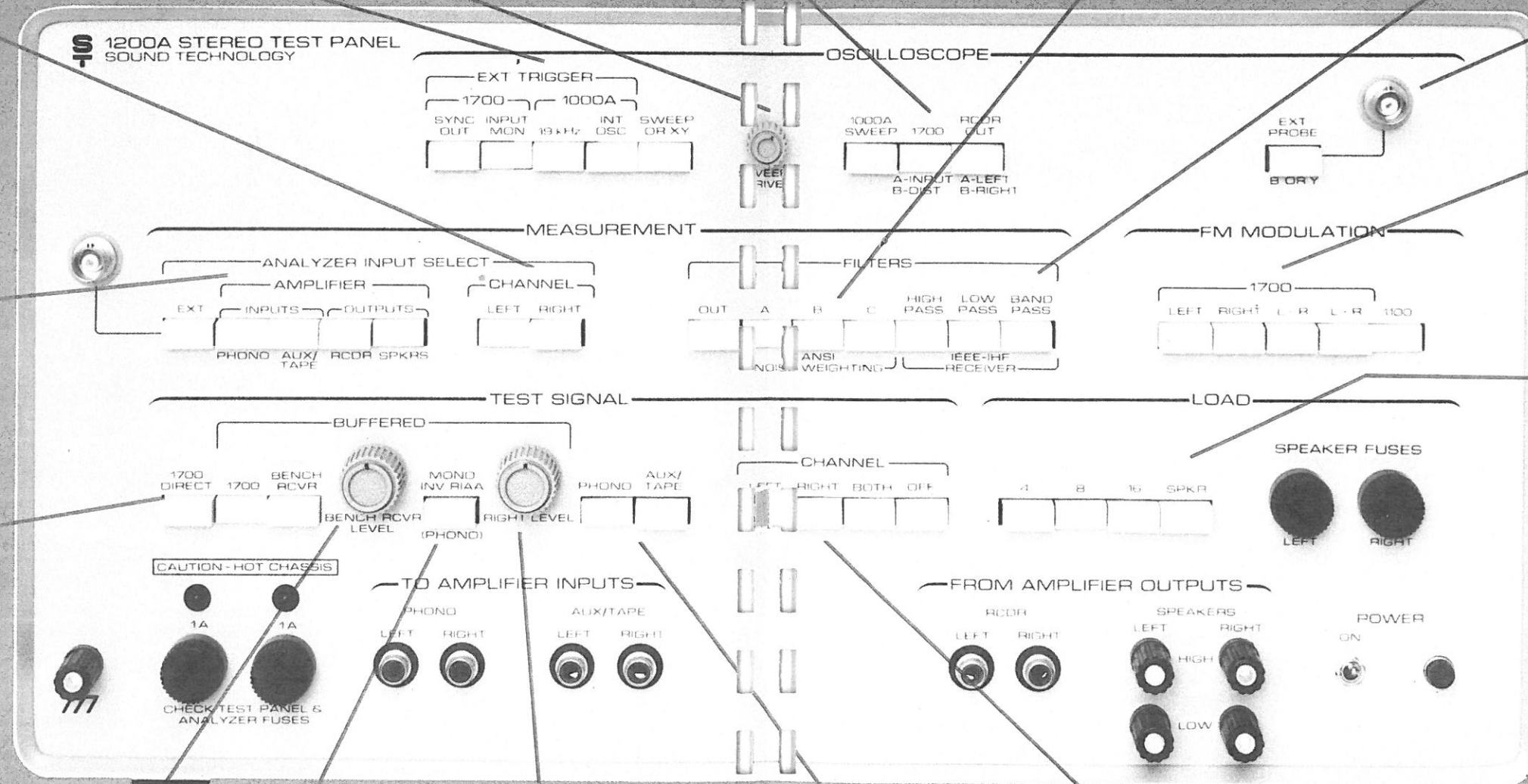
Conveniently switch your audio generator to any combination of amplifier channels or remove signal for amplifier noise measurements.

Probe can be quickly connected to scope.

Modulate your stereo generator with an external audio generator without recabling.

Easily switch load impedance or select speakers.

All receiver connections are to the 1200A, making hookup faster and easier.



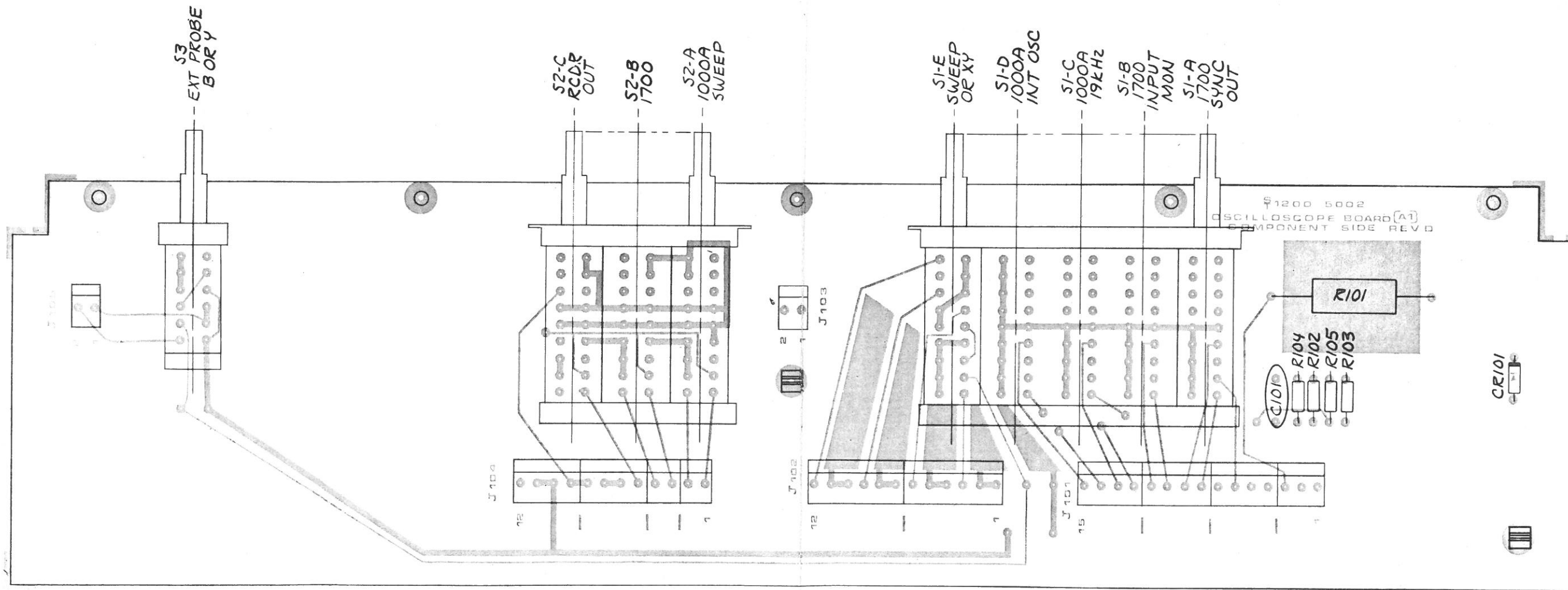


FIGURE 4-2A
 COMPONENT LAYOUT
 OSCILLOSCOPE BOARD (A1)

FRONT PANEL

REAR PANEL

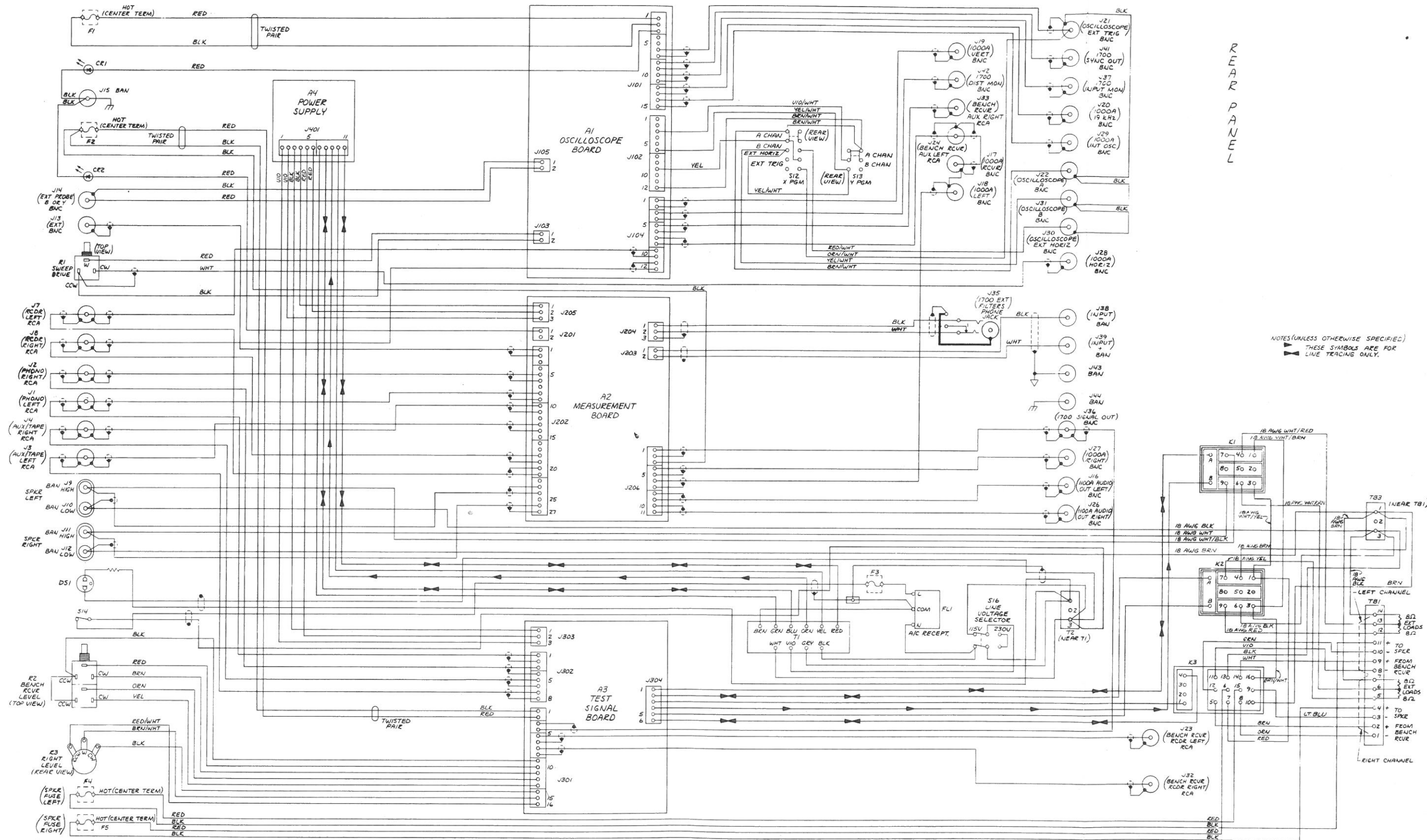


FIGURE 4-1
INTERCONNECTION DIAGRAM

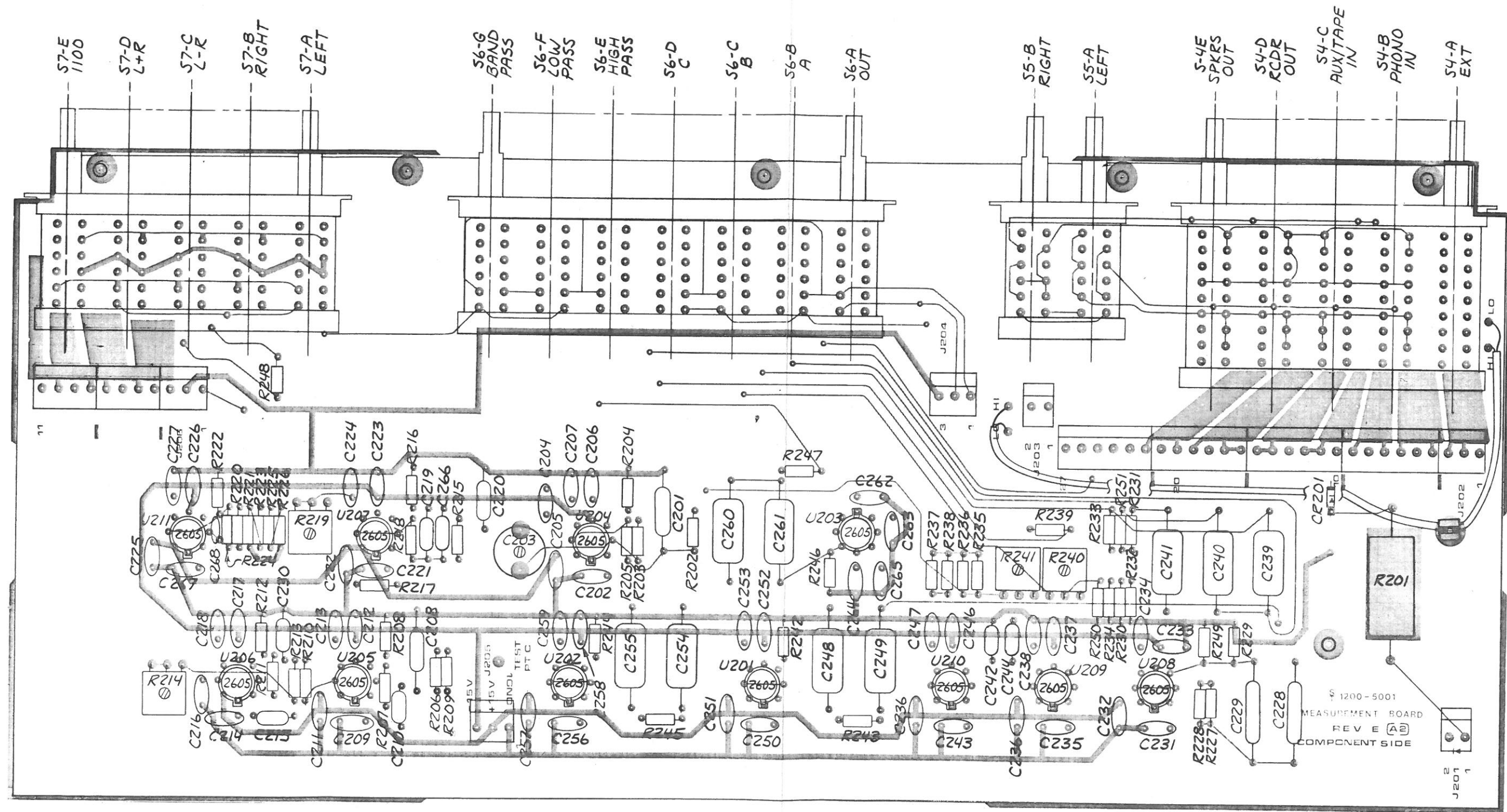


FIGURE 4-3A
 COMPONENT LAYOUT
 MEASUREMENT BOARD (A2)

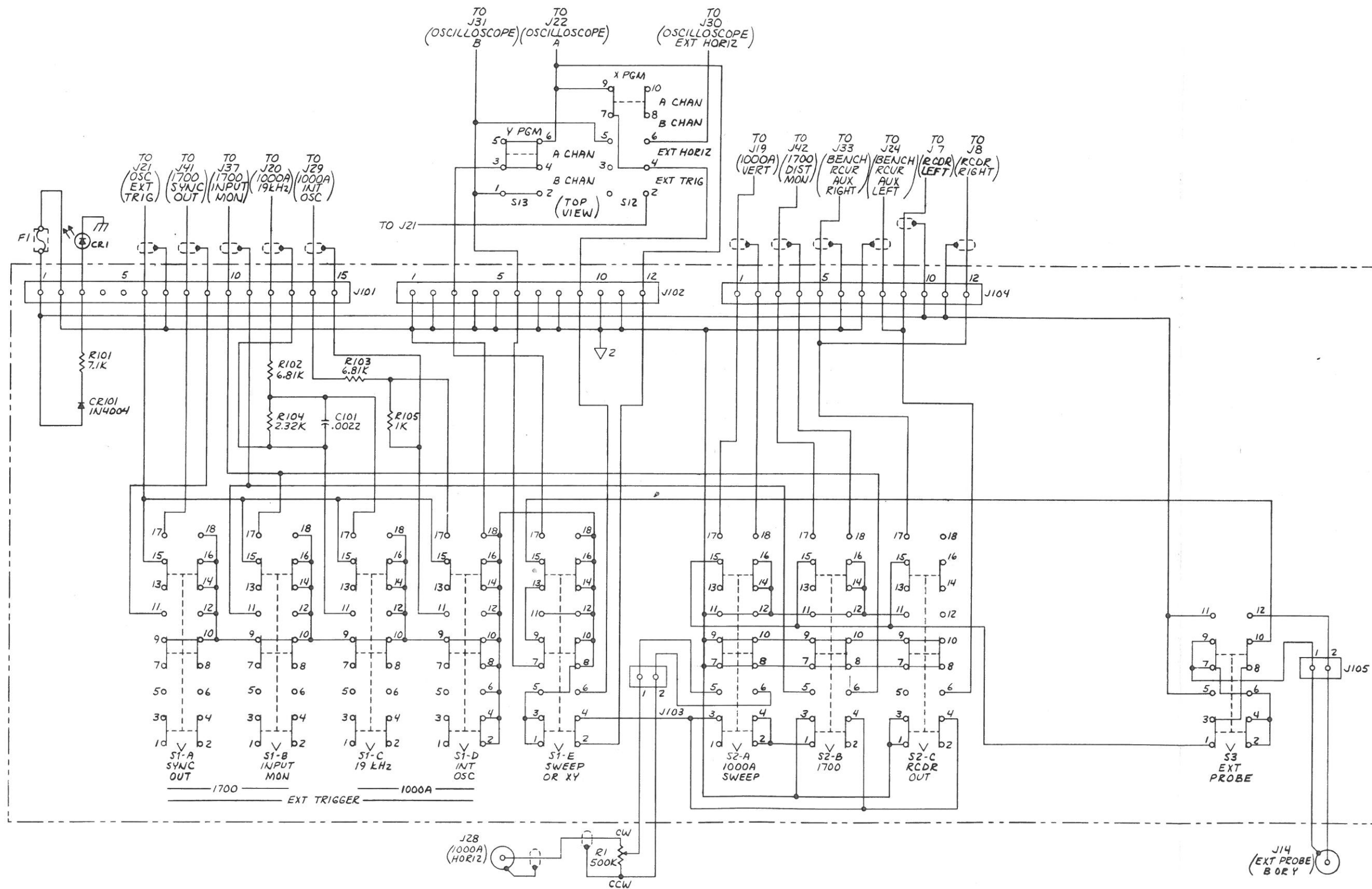


FIGURE 4-2B
SCHEMATIC DIAGRAM
OSCILLOSCOPE BOARD (A1)

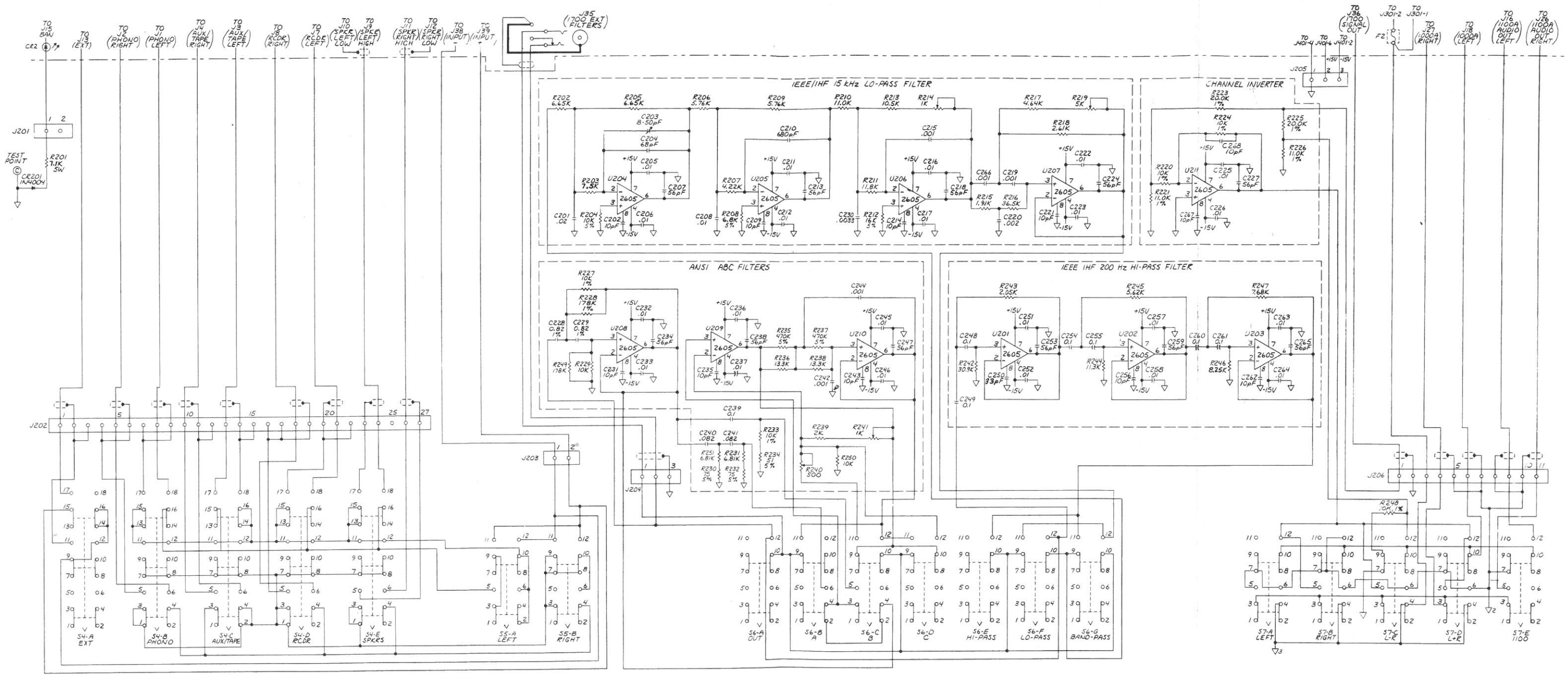


FIGURE 4-3B
SCHEMATIC DIAGRAM
MEASUREMENT BOARD (A2)

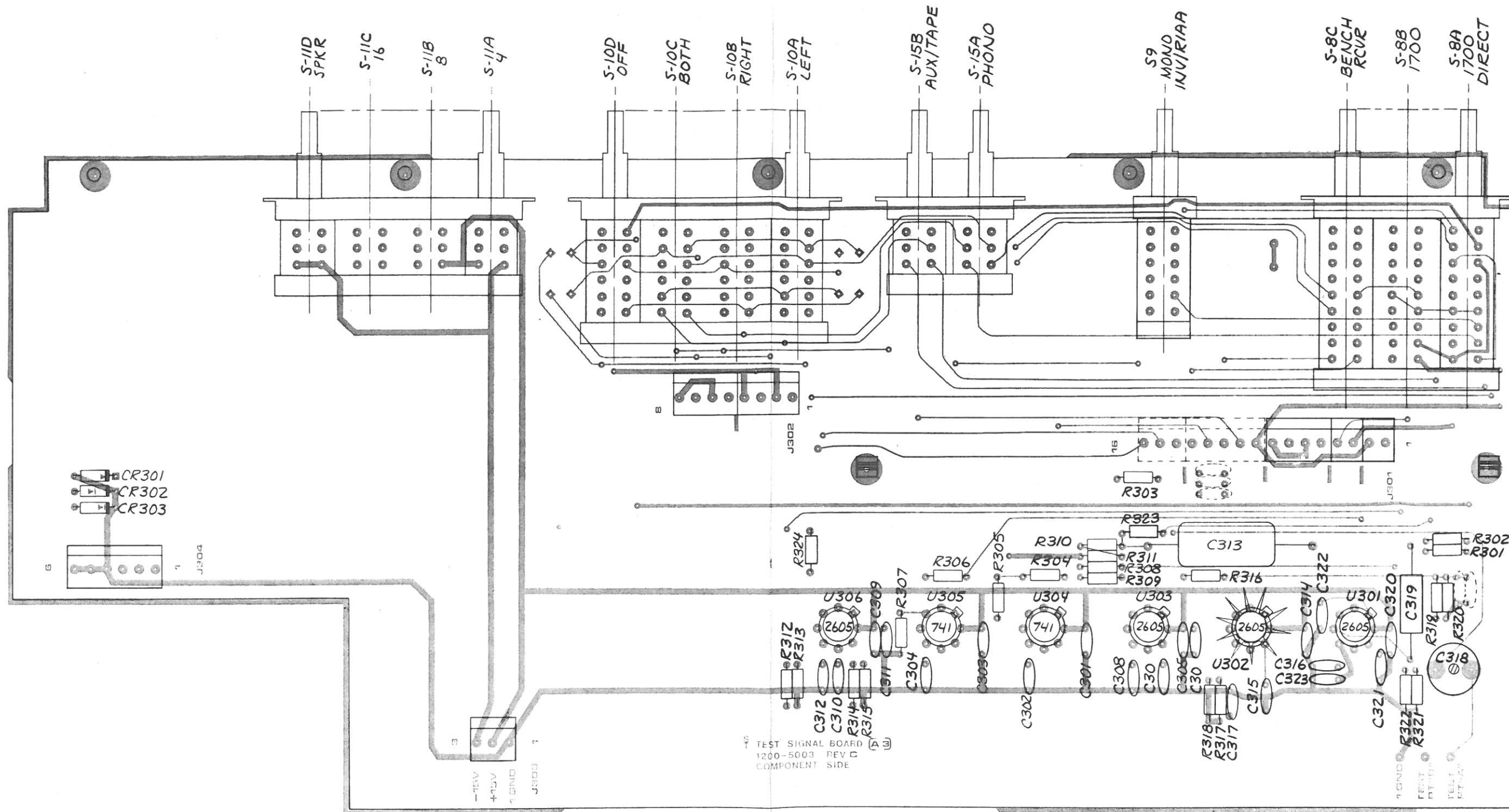


FIGURE 4-4A
 COMPONENT LAYOUT
 TEST SIGNAL BOARD (A3)

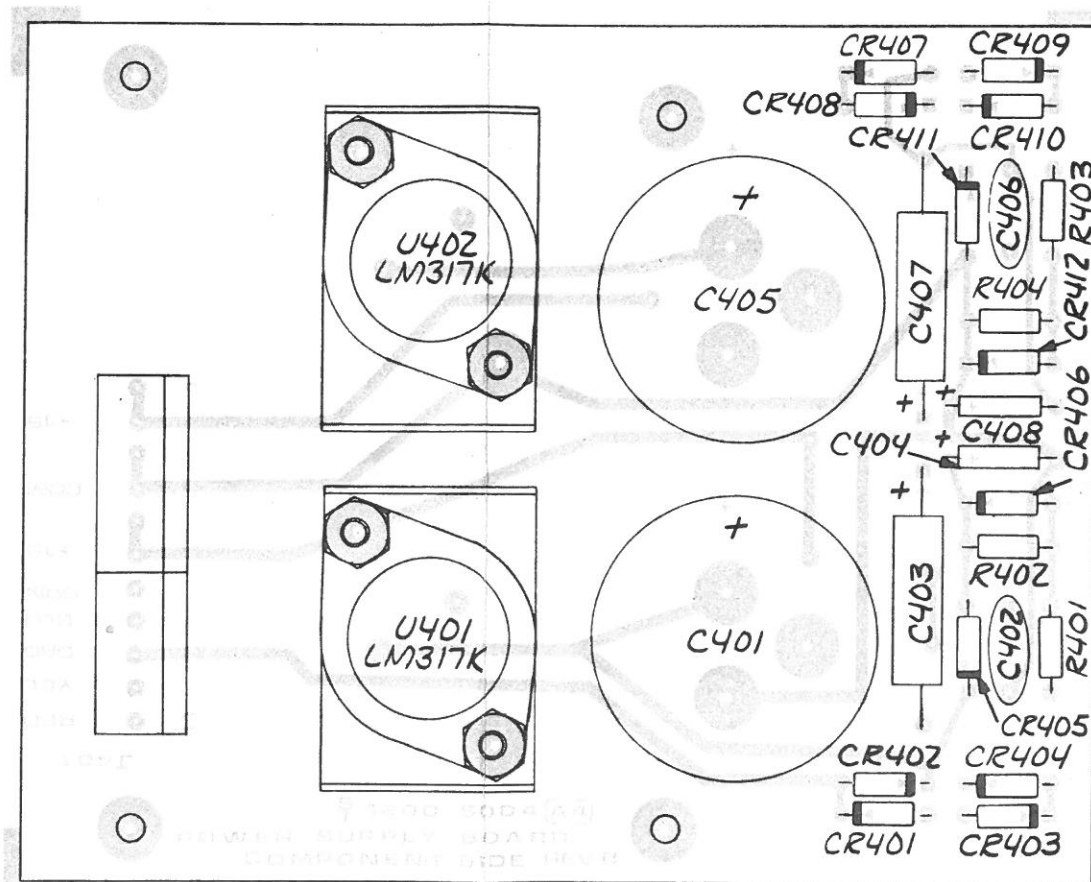


FIGURE 4-5A
COMPONENT LAYOUT
POWER SUPPLY (A4)

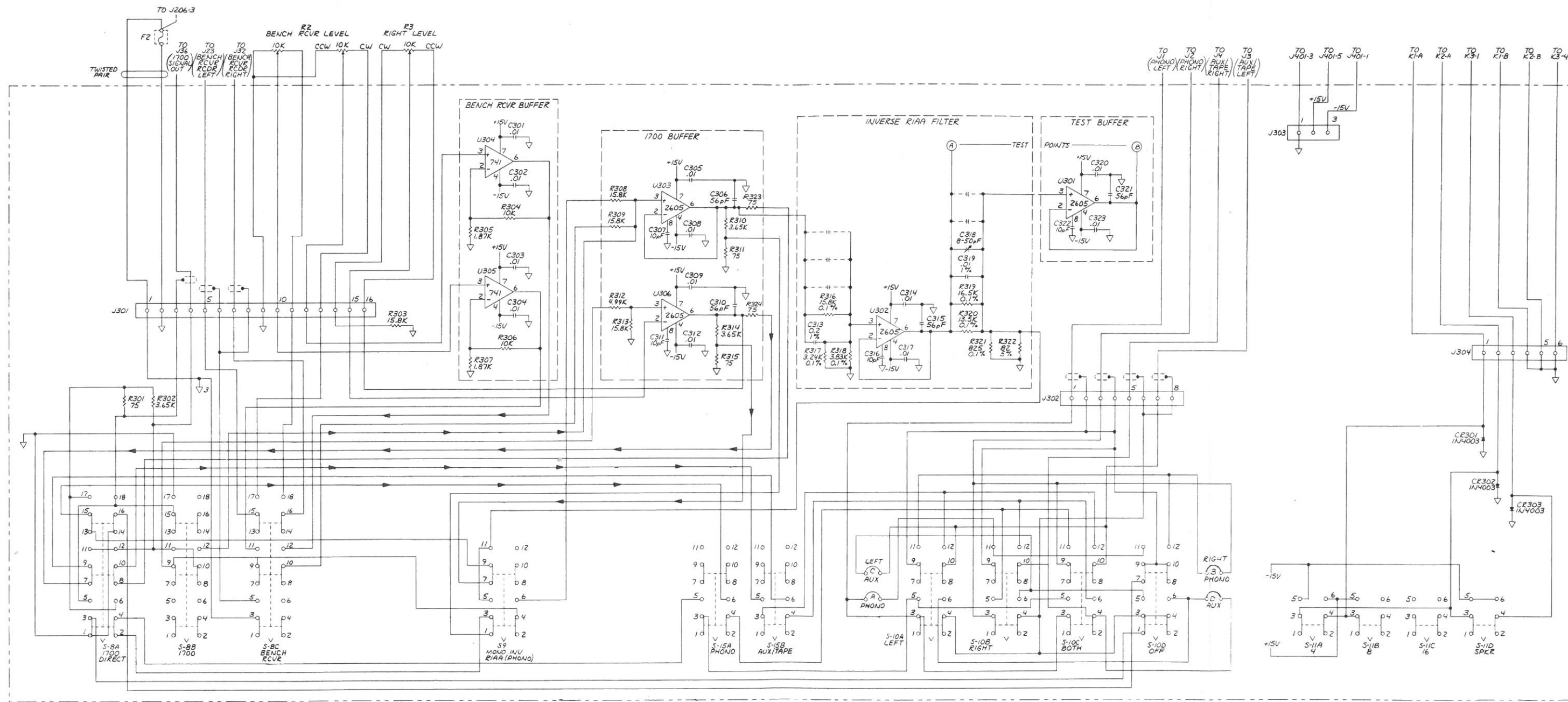


FIGURE 4-4B
SCHEMATIC DIAGRAM
TEST SIGNAL BOARD (A3)

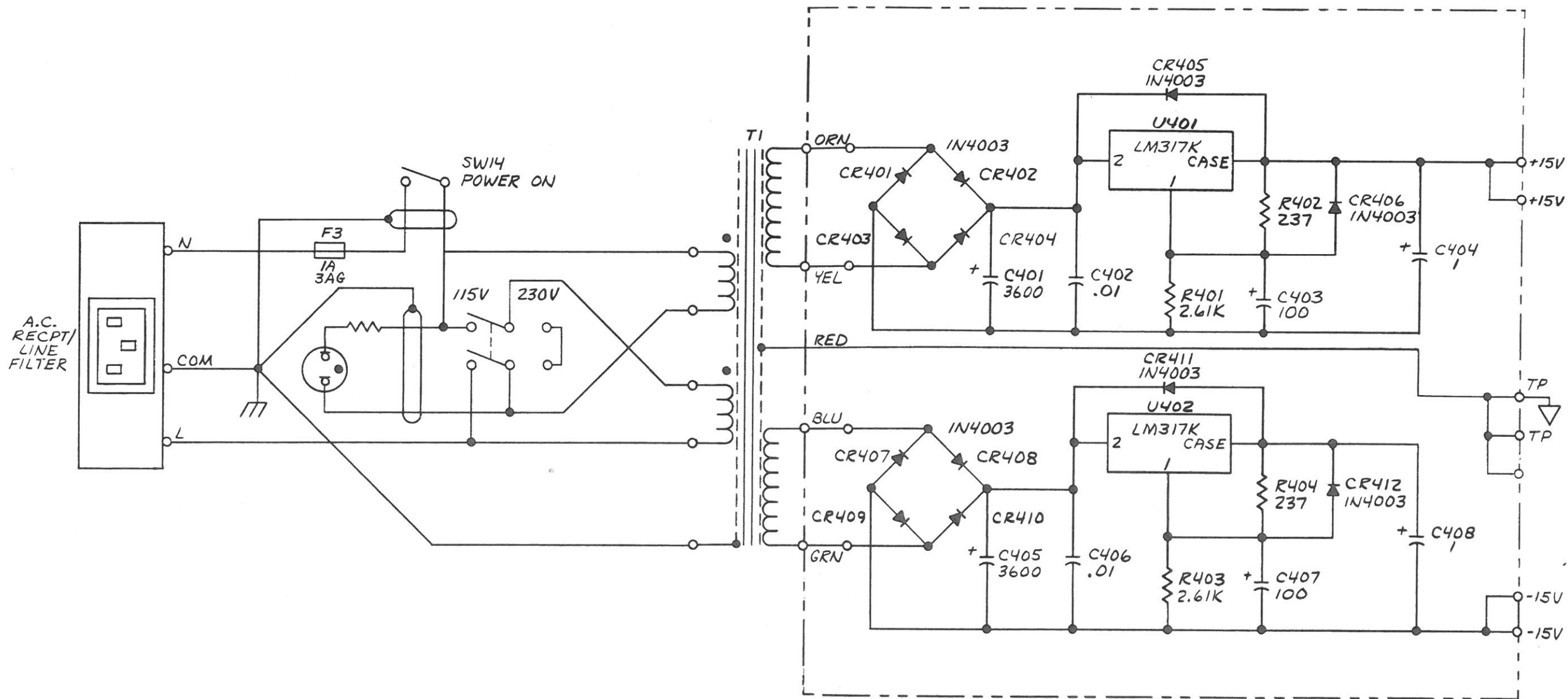


FIGURE 4-5B
SCHEMATIC DIAGRAM
POWER SUPPLY (A4)

PART OF TEST SIGNAL BOARD

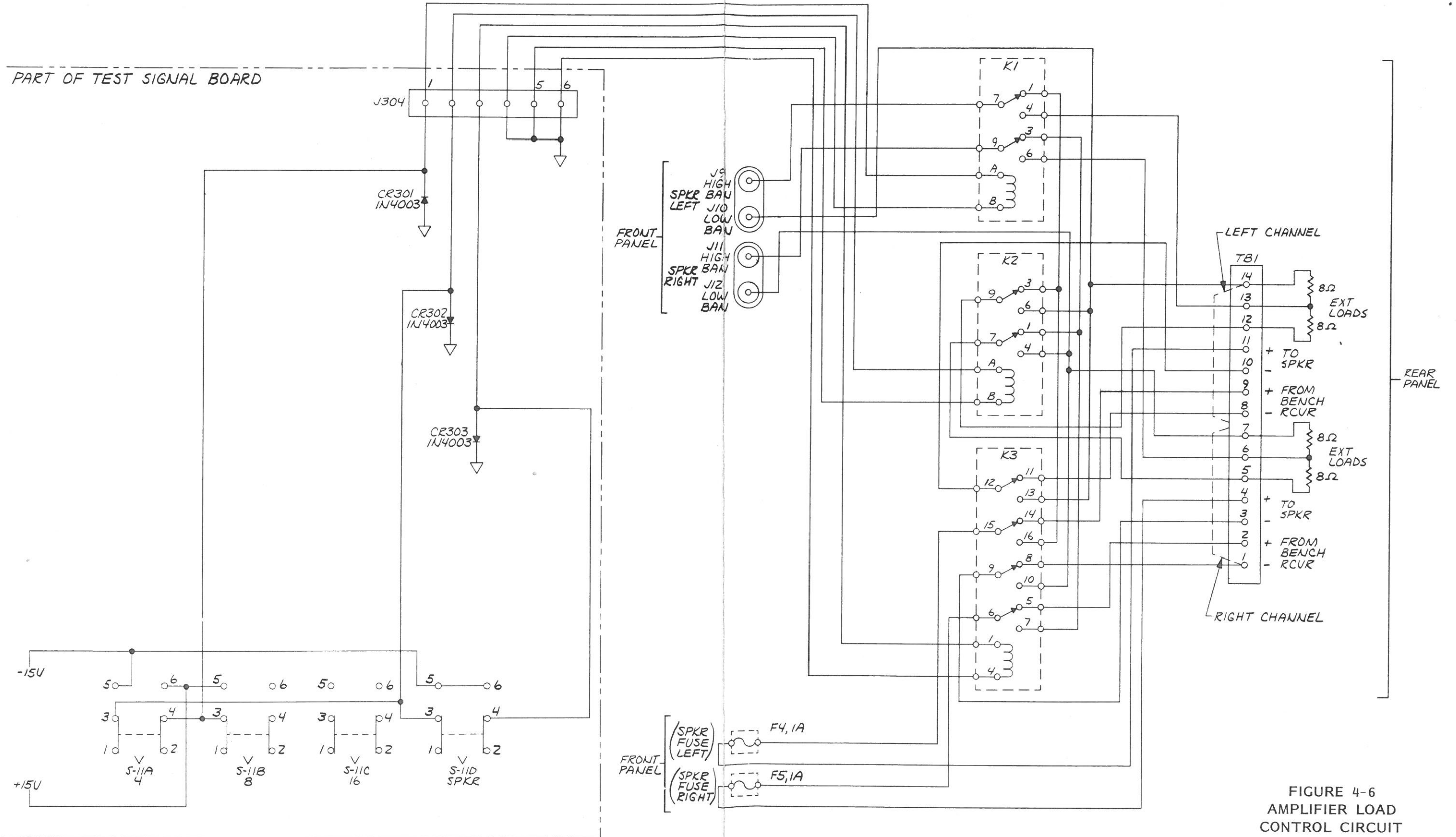


FIGURE 4-6
AMPLIFIER LOAD
CONTROL CIRCUIT

01200-30003

ASSY-PC,
TEST SIGNAL

PART NO	DESCRIPTION	QTY
0100-0001	IC-OP AMP 741 U304, 305	2.0
0100-0006	IC-OP AMP 2605 GRADE 1 BROWN U303, 306	2.0
0100-0007	IC-OP AMP 2605 GRADE 2 RED U302	1.0
0200-0001	DIODE-RECT 1N4003 SI CR301-303	3.0
1000-0023	RES-FXD 825 0.1% 1/8W MF R321	1.0
1000-0024	RES-FXD 3.24K 0.1% 1/8W MF R317	1.0
1000-0025	RES-FXD 3.83K 0.1% 1/8W MF R318	1.0
1000-0026	RES-FXD 13.5K 0.1% 1/8W MF R320	1.0
1000-0027	RES-FXD 15.8K 0.1% 1/8W MF R316	1.0
1000-0028	RES-FXD 16.5K 0.1% 1/8W MF R319	1.0
1015-0075	RES-FXD 75 1% 1/8W MF R301, 307, 315, 323, 324	5.0
1015-1187	RES-FXD 1.87K 1% 1/8W MF R305, 307	2.0
1015-1365	RES-FXD 3.65K 1% 1/8W MF R302, 310, 314	3.0
1015-1499	RES-FXD 4.99K 1% 1/8W MF R312	1.0
1015-2100	RES-FXD 10K 1% 1/8W MF R304, 306	2.0
1015-2158	RES-FXD 15.8K 1% 1/8W MF R303, 308, 309, 313	4.0
1100-0082	RES-FXD 82 5% 1/4W R322	1.0
2000-0010	CAP-FXD 10PF 5% 500V MICA C307, 311, 316, 322	4.0
2000-0056	CAP-FXD 56PF 5% 500V MICA C306, 310, 315, 321	4.0
2025-0031	CAP-FXD 0.2UF 1% 50V PLYSTR C313	1.0
2025-0032	CAP-FXD 0.01UF 1% 50V PLYSTR C319	1.0
2040-0000	CAP-FXD 0.01UF 100V CERAMIC C301-5, 308, 309, 312, 314, 317, 320, 323	12.0
2205-0003	CAP-VAR 8-50PF TRIMMER CERAMIC C318	1.0
3015-0013	SWITCH-PB, 1 STA-4P P-P S9	1.0
3015-0015	SWITCH-PB, 2 STA-2P S15	1.0
3015-0019	SWITCH-PB, 3 STA-6P S8	1.0
3015-0020	SWITCH-PB, 4 STA-2P S11	1.0
3015-0021	SWITCH-PB, 4 STA-4P S10	1.0
3105-0000	SOCKET-IC 8 PIN ROUND	6.0
3120-0000	CONN-SINGLE CONTACT, .093 PIN	3.0
3120-0002	CONN-2 PIN WAFER ASSY, 0.045DIA	2.0
3120-0003	CONN-3 PIN WAFER ASSY, 0.045DIA	2.0
3120-0004	CONN-4 PIN WAFER ASSY, 0.045DIA	3.0
3120-0005	CONN-5 PIN WAFER ASSY, 0.045DIA	1.0
3120-0006	CONN-6 PIN WAFER ASSY, 0.045DIA	1.0
3150-0002	SPACER-PUSHBUTTON SW, DOGBONE	18.0
3600-0000	HEAT SINK-ROUND FINNED T05	1.0

01200-30004

ASSY-PC,
POWER SUPPLY

PART NO	DESCRIPTION	QTY
0100-0017	IC-REGULATOR, LM317K 3 LEAD U401, 402	2.0
0200-0001	DIODE-RECT 1N4003 SI C401-412	12.0
1015-0237	RES-FXD 237 1% 1/8W MF R402, 404	2.0
1015-1261	RES-FXD 2.61K 1% 1/8W MF R401, 403	2.0
2020-0000	CAP-FXD 0.01UF 10% 100V MYLAR C402, 406	2.0
2100-0006	CAP-FXD 100UF 25V ELECT AL C403, 407	2.0
2100-0010	CAP-FXD 3000-4200UF 40-50V EL C401, 405	2.0
2100-0020	CAP-FXD 1UF 50V ELECT TANT AXL C404, 408	2.0
3120-0005	CONN-5 PIN WAFER ASSY, 0.045DIA	1.0
3120-0006	CONN-6 PIN WAFER ASSY, 0.045DIA	1.0
3150-0005	INSULATOR- T0-3 TRANSISTOR	2.0
3150-0007	INSULATOR-TRANS, T0-3 NYLON	2.0
3600-0001	HEAT SINK-T03	2.0

01200-30005

ASSY-FRONT PANEL

PART NO	DESCRIPTION	QTY
0300-0000	DIODE-LED RED CR1, 2	2.0
1400-0005	RES-VAR 10K 10% 2W CARBON R3	1.0
1400-0006	RES-VAR DUAL 10K 10% 2W CARBON R2	1.0
1400-0018	RES-VAR 500K 10% MOD POT R1	1.0
3000-0001	SWITCH-TOGGLE S14	1.0
3100-0001	CONNECTOR-BNC JACK, LONG	2.0
3100-0003	CONNECTOR-JACK, RCA	6.0
3110-0001	CONNECTOR-BINDING POST, BROWN	5.0
3440-0000	LAMP-NEON, AMBER	1.0
3445-0001	CONNECTOR-LAMP	1.0
3445-0002	RETAINING CLIP-LAMP	1.0
3480-0002	FUSE-1 AMP, 3AG F1, 2, 4, 5	4.0
3485-0000	FUSE HOLDER, 3AG	4.0
8040-0002	PC CARD GUIDE	6.0

01200-30006

ASSY-REAR PANEL

PART NO	DESCRIPTION	QTY
3005-0000	SWITCH-SLIDE DPDT S13	1.0
3005-0001	SWITCH-SLIDE, LINE SELECT	1.0
3005-0004	SWITCH-SLIDE DP4T S12	1.0
3100-0001	CONNECTOR-BNC JACK, LONG	17.0
3100-0003	CONNECTOR-JACK, RCA	4.0
3100-0009	CONNECTOR-JACK, PHONO	1.0
3105-0005	SOCKET-RELAY 10A	2.0
3105-0006	SOCKET-RELAY 5A	1.0
3110-0001	CONNECTOR-BINDING POST, BROWN	4.0
3110-0005	CONNECTOR-AC RECEPTACLE/FILTER	1.0
3125-0000	TERMINAL STRIP- 14 TERMINALS	1.0
3200-0002	TRANSFORMER-POWER 1700A T1	1.0
3200-0003	END CAP, LARGE-XFMR 1400/1700	1.0
3400-0005	RELAY-DPDT, 10A, 12VDC COIL K1, 2	2.0
3400-0006	RELAY-4PDT, 5A, 12VDC COIL K3	1.0
3400-0007	RELAY RETAINING CLIP	2.0
3400-0008	RELAY RETAINING CLIP	1.0
3480-0002	FUSE-1 AMP, 3AG F3	1.0
3485-0000	FUSE HOLDER, 3AG	1.0

PARTS LISTS
(Continued)

SECTION 5 PARTS LISTS

5-1. GENERAL

5-2. This section contains information for ordering replacement parts for the 1200A, and provides the following information:

- Sound Technology part number.
- Circuit diagram reference number.
- General description of part.
- Total quantity used in each assembly.

5-3. ORDERING INFORMATION

5-4. When ordering, each part should be identified by a Sound Technology Part Number. To order parts not listed herein, be sure to provide the following information:

- Instrument model number.
- Instrument serial number.
- Description of part.
- Function and location of part.
- Address your order or inquiry to:

Sound Technology
1400 Dell Avenue
Campbell, California 95008
Telephone: (408) 378 - 6540

1200A STEREO TEST PANEL

01200-30001 ASSY-PC, OSCILLOSCOPE

PART NO	DESCRIPTION	QTY
0200-0003	DIODE-RECT 1N4004 SI CR101	1.0
1015-1100	RES-FXD 1K 1% 1/8W MF R105	1.0
1015-1232	RES-FXD 2.32K 1% 1/8W MF R104	1.0
1015-1681	RES-FXD 6.81K 1% 1/8W MF R102, 103	2.0
1020-6000	RES-FXD 7.1K 1% 5W MF R101	1.0
2020-0007	CAP-FXD 0.0022UF 10% 100V MY C101	1.0
3015-0012	SWITCH-PB, 5 STA-6P S1	1.0
3015-0013	SWITCH-PB, 1 STA-4P P-P S3	1.0
3015-0019	SWITCH-PB, 3 STA-6P S2	1.0
3120-0002	CONN-2 PIN WAFER ASSY, 0.045DIA	4.0
3120-0003	CONN-3 PIN WAFER ASSY, 0.045DIA	1.0
3120-0004	CONN-4 PIN WAFER ASSY, 0.045DIA	5.0
3120-0006	CONN-6 PIN WAFER ASSY, 0.045DIA	2.0

01200-30002 ASSY-PC, MEASUREMENT

PART NO	DESCRIPTION	QTY
0100-0014	IC-OP AMP 2605 GRADE 6 BLUE U201-211	11.0
0200-0003	DIODE-RECT 1N4004 SI CR201	1.0
1015-1191	RES-FXD 1.91K 1% 1/8W MF R215	1.0
1015-1200	RES-FXD 2K 1% 1/8W MF R239	1.0
1015-1205	RES-FXD 2.05K 1% 1/8W MF R243	1.0
1015-1261	RES-FXD 2.61K 1% 1/8W MF R218	1.0
1015-1422	RES-FXD 4.22K 1% 1/8W MF R207	1.0
1015-1464	RES-FXD 4.64K 1% 1/8W MF R217	1.0
1015-1562	RES-FXD 5.62K 1% 1/8W MF R245	1.0
1015-1576	RES-FXD 5.76K 1% 1/8W MF R206, 209	2.0
1015-1665	RES-FXD 6.65K 1% 1/8W MF R202, 205	2.0
1015-1681	RES-FXD 6.81K 1% 1/8W MF R231, 251	2.0
1015-1750	RES-FXD 7.5K 1% 1/8W MF R203	1.0
1015-1768	RES-FXD 7.68K 1% 1/8W MF R247	1.0
1015-1825	RES-FXD 8.25K 1% 1/8W MF R246	1.0
1015-2100	RES-FXD 10K 1% 1/8W MF R220, 224, 227, 229, 233, 248, 250	7.0
1015-2105	RES-FXD 10.5K 1% 1/8W MF R213	1.0
1015-2110	RES-FXD 11K 1% 1/8W MF R210, 221, 226	3.0
1015-2113	RES-FXD 11.3K 1% 1/8W MF R244	1.0
1015-2118	RES-FXD 11.8K 1% 1/8W MF R221	1.0
1015-2133	RES-FXD 13.3K 1% 1/8W MF R236, 238	2.0
1015-2200	RES-FXD 20.0K 1% 1/8W MF R223, 225	2.0

PART NO	DESCRIPTION	QTY
1015-2309	RES-FXD 30.9K 1% 1/8W MF R242	1.0
1015-2365	RES-FXD 36.5K 1% 1/8W MF R216	1.0
1015-3178	RES-FXD 178K 1% 1/8W MF R228, 249	2.0
1100-0051	RES-FXD 51 5% 1/4W R234	1.0
1100-0075	RES-FXD 75 5% 1/4W R230, 232	2.0
1100-1680	RES-FXD 6.8K 5% 1/4W R208	1.0
1100-2100	RES-FXD 10K 5% 1/4W R204	1.0
1100-2160	RES-FXD 16K 5% 1/4W R212	1.0
1100-3470	RES-FXD 470K 5% 1/4W R235, 237	2.0
1200-4000	RES-FXD 7.1K 5% 5W WIREWOUND R201	1.0
1410-0015	RES-VAR 500 TRIM, .15 SPACING R240	1.0
1410-0016	RES-VAR 1K TRIM, .15 SPACING R214, 241	2.0
1410-0017	RES-VAR 5K TRIM, .15 SPACING R219	1.0
2000-0010	CAP-FXD 10PF 5% 500V MICA C202, 209, 214, 221, 231, 267, 235, 243, 256, 262, 268	11.0
2000-0033	CAP-FXD 33PF 5% 500V MICA C250	1.0
2000-0056	CAP-FXD 56PF 5% 500V MICA C207, 213, 218, 224, 227, 234, 238, 247, 253, 259, 265	11.0
2000-0068	CAP-FXD 68PF 5% 500V MICA C204	1.0
2025-0000	CAP-FXD 0.001UF 1% 33V PLYSTR C215, 219, 242, 244, 266	5.0
2025-0001	CAP-FXD 0.002UF 1% 33V PLYSTR C220	1.0
2025-0003	CAP-FXD 0.01UF 1% 33V PLYSTR C208	1.0
2025-0004	CAP-FXD 0.02UF 1% 33V PLYSTR C201	1.0
2025-0005	CAP-FXD 0.082UF 1% 33V PLYSTR C240, 241	2.0
2025-0006	CAP-FXD 0.1UF 1% 33V PLYSTR C239, 248, 249, 254, 255, 260, 261	7.0
2025-0008	CAP-FXD 0.82UF 1% 100V FILM C228, 229	2.0
2025-0014	CAP-FXD .0033UF 2.5% 63V PYSTR C230	1.0
2025-0019	CAP-FXD 680PF 2.5% 63V PLYSTR C210	1.0
2040-0000	CAP-FXD 0.01UF 100V CERAMIC C205, 206, ETC. BYPASS CAPS	22.0
2205-0003	CAP-VAR 8-50PF TRIMMER CERAMIC C203	1.0
3015-0012	SWITCH-PB, 5 STA-6P S4	1.0
3015-0014	SWITCH-PB, 7 STA-4P S6	1.0
3015-0016	SWITCH-PB, 2 STA-4P S5	1.0
3015-0017	SWITCH-PB, 5 STA-4P S7	1.0
3105-0000	SOCKET-IC 8 PIN ROUND	11.0
3120-0000	CONN-SINGLE CONTACT, .093 PIN	1.0

PARTS LISTS