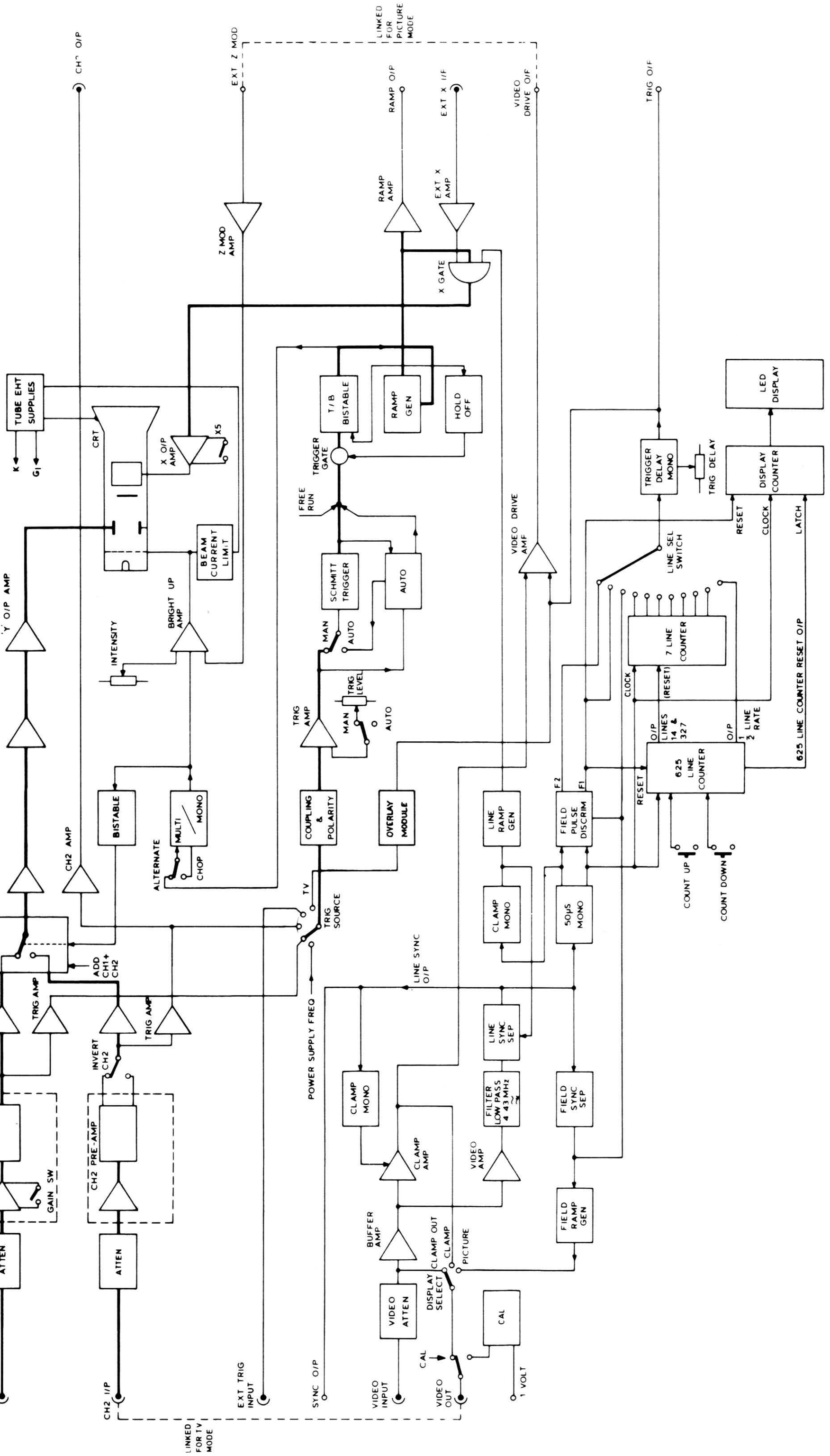
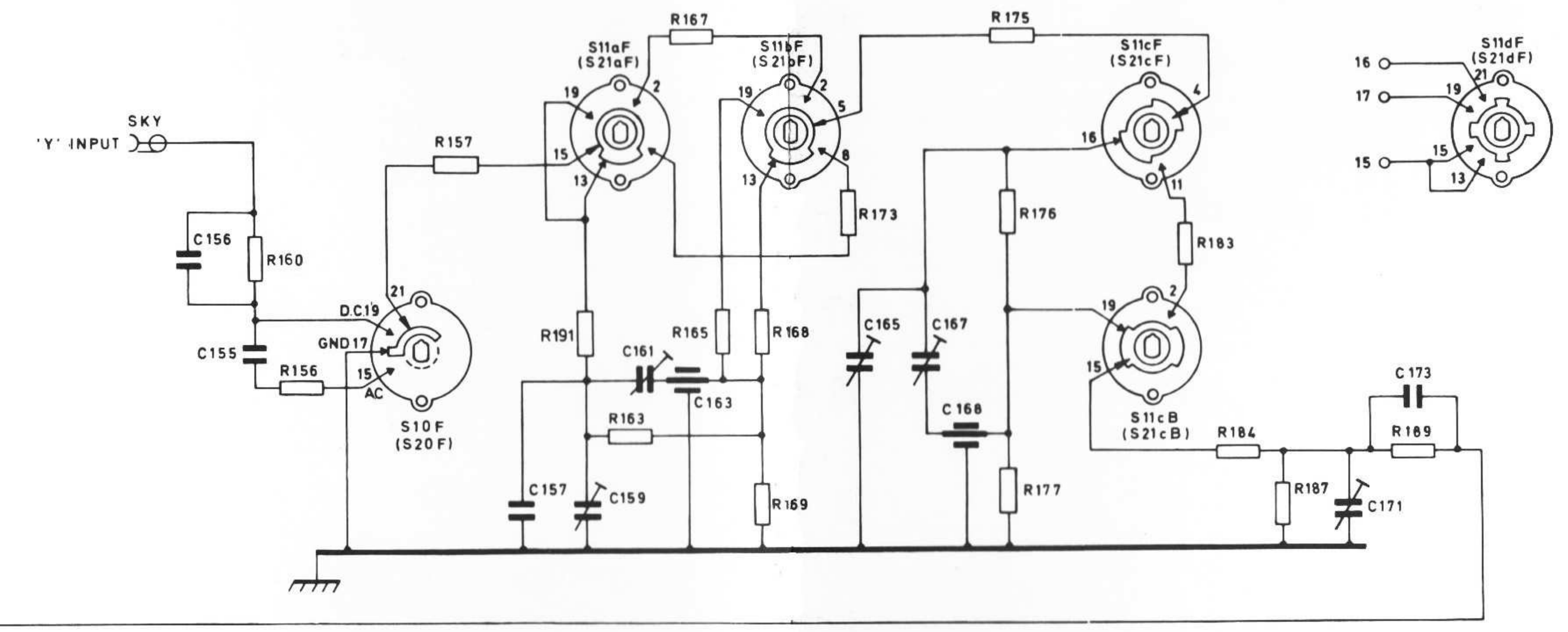


Fig. 1 Block Diagram

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RESISTORS	R11 (R21), R103, R101, R104, R102, R115, R106, R105, R107, R108, R109, R110, R111, R116, R117, R160, R112, R113, R156, R114, R118, R119, R157, R191, R163, R125, R 10, R167, R158, R190, R165, R127, R128, R168, R169, R130, R122, R173, R123, R124, R131, R120, R121, R175, R176, R177, R129, R133, R183, R132, R134, R184, R187, R136, R135, R154, R189, R138, R137, R155, R139, R140, R141, R142, R143 – R149, R153, R150, R151
CAPACITORS	C102, C101, C104, C103, C156, C155, C134, C157, C120, C159, C161, C163, C165, C167, C127, C168, C131, C122, C171, C173, C128, C123, C132, C129, C133, C124, C125, C126
MISC.	D101, D104, D102, D103, TR101, TR102, SKY, TR103, TR104, S10F (S20F), L101, D123, S11aF (S21aF), TR121, TR122, S13A (S23A), S11bF (S21bF), S13B (S23B), TR120, D120, D121, S11cF (S21cF), S11cB (S21cB), TR123, TR124, S11dF (S21dF), D122, TR125, TR126

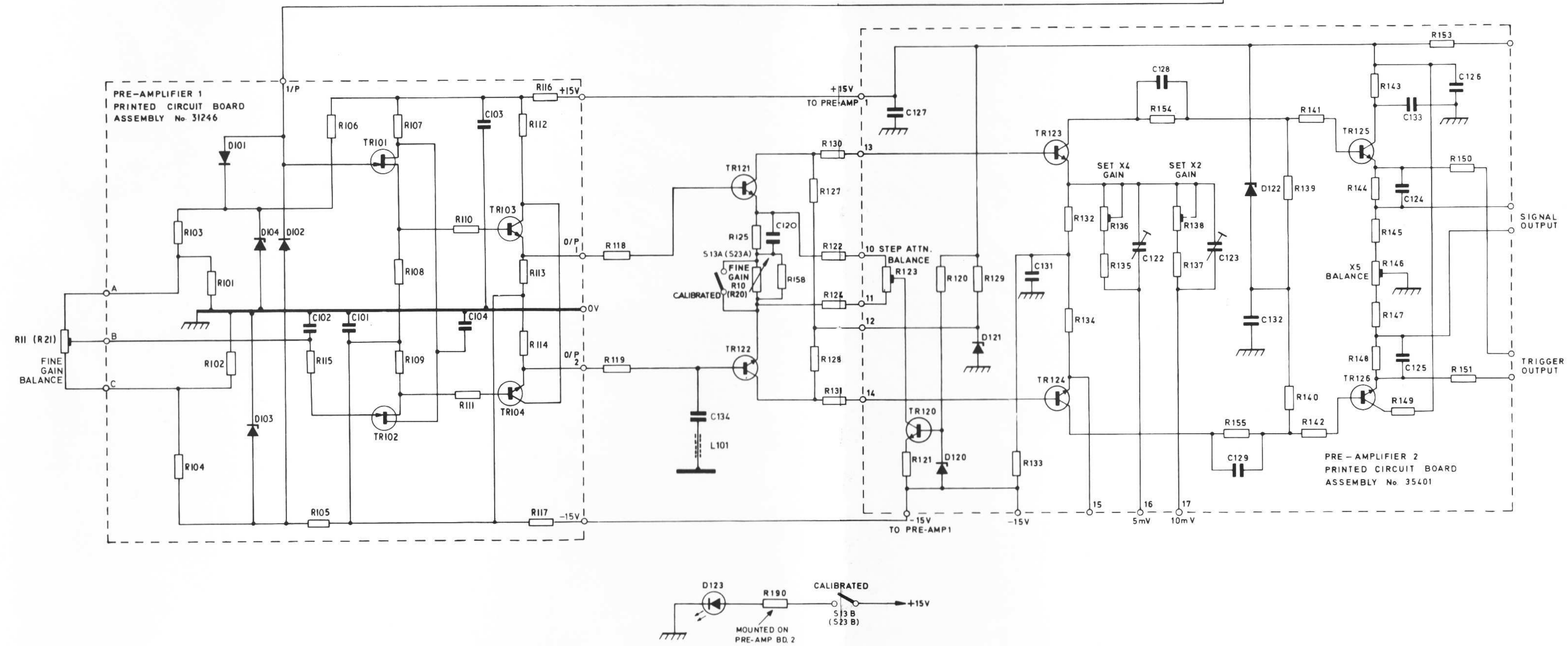


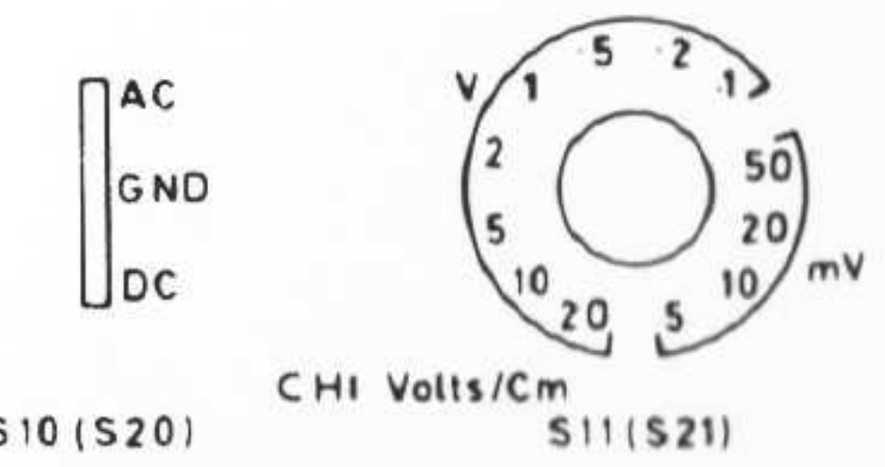
NOTES

1. CIRCUIT REFERENCES IN BRACKETS REFER TO CH2 CHANNEL

2. - -●- - INDICATES P.C.B. EDGE CONNECTIONS.

- -○- - INDICATES P.C.B. CONNECTION PINS.





FRONT PANEL MARKING

Fig. 2 Circuit Diagram Pre-amp 1 & 2 and Gain Switching

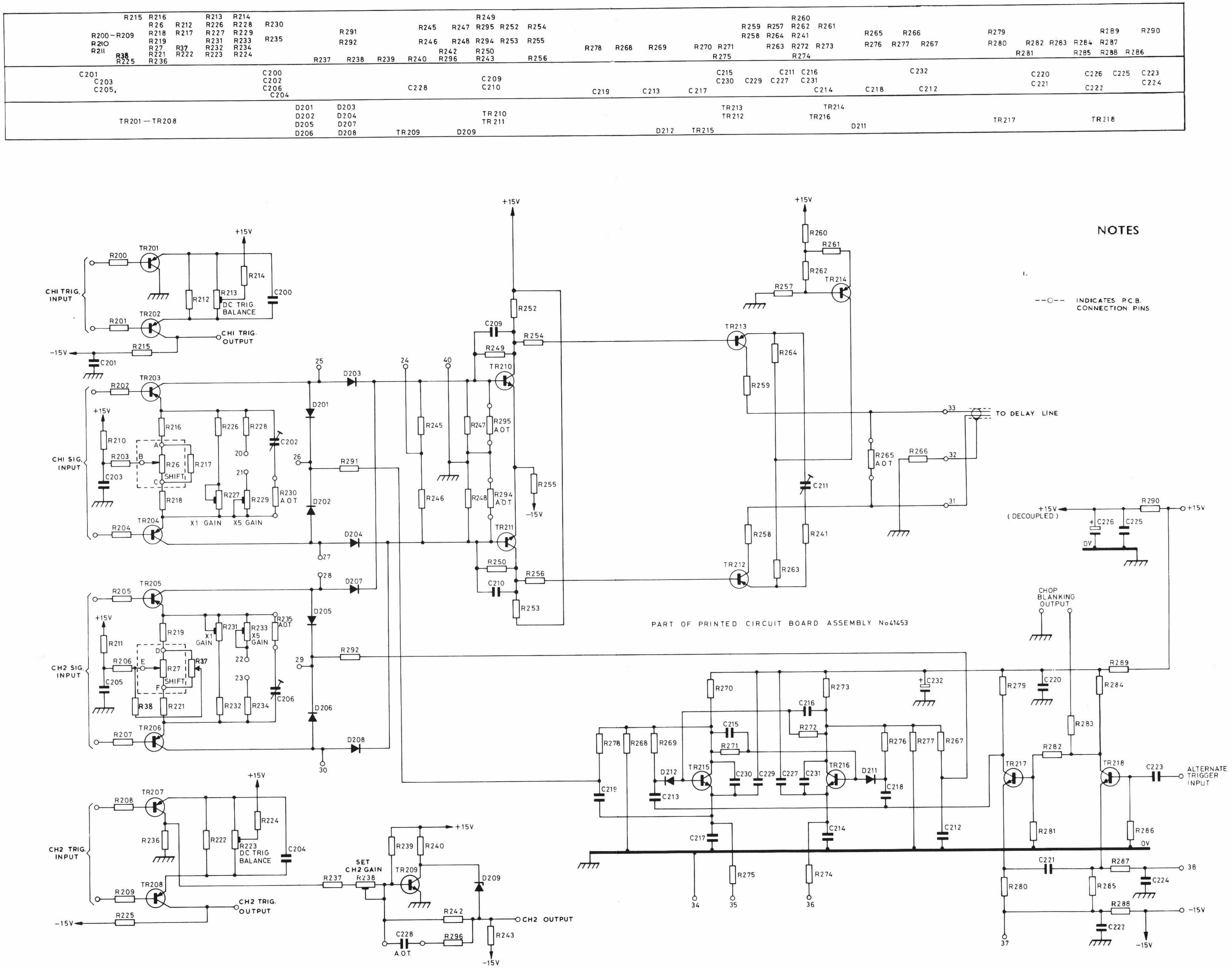


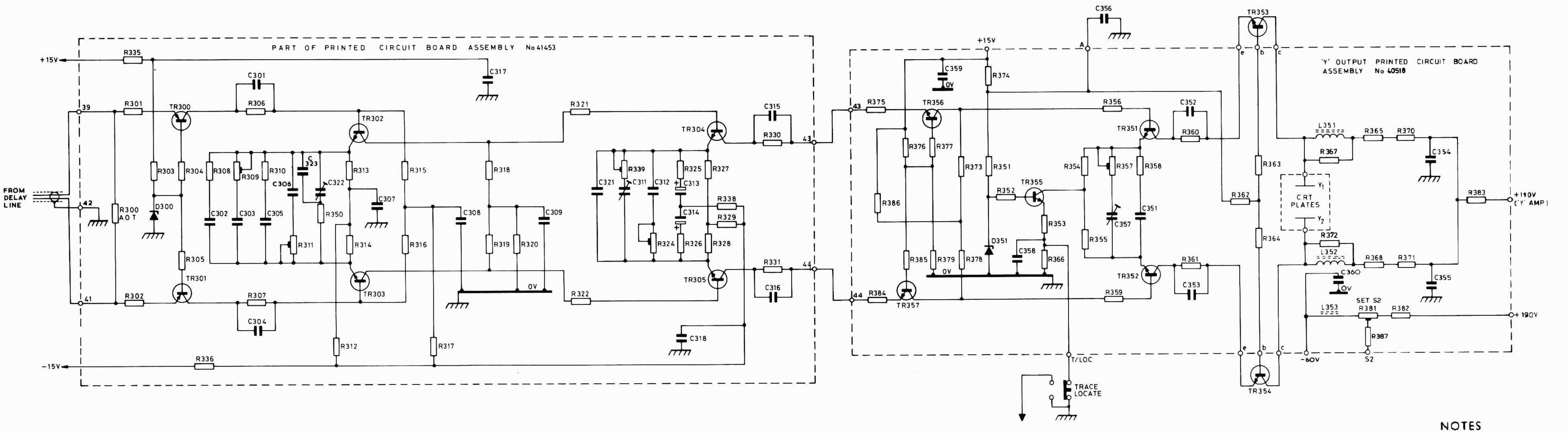
Fig. 3 Circuit Diagram Delay Line Driver and Beam Switch

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R335 R300 | R301 R302 | R303 | R304 R305 | R308 R336 | R306 R309 R307 | R310 R311 | R350 R312 | R313 R314 | R315 R316 | R317 | R318 R319 | R320 | R321 R322 | R339 | R324 | R325 R326 | R327 R328 | R338 R329 | R330 R331 | R375 R386 R384 | R376 R385 | R377 R379 | R373 R378 | R374 R351 | R352 | R353 R366 | R354 R355 | R356 R357 R359 | R358 | R360 R361 | R362 | R363 R364 | R367 R372 | R365 R368 R381 | R370 R371 R382 | R387 | R383

C302 | C303 | C301 C305 C304 | C306 | C323 | C322 | C307 | C308 | C317 | C309 | C321 | C311 | C312 C318 | C313 C314 | C315 C316 | C359 | C358 | C356 C357 | C351 | C352 C353 | C360 | C354 C355

D300 | TR300 TR301 | TR302 TR303 | TR304 TR305 | TR357 | TR356 | D351 | TR355 | TR351 TR352 | TR353 TR354 | L351 L352 L353



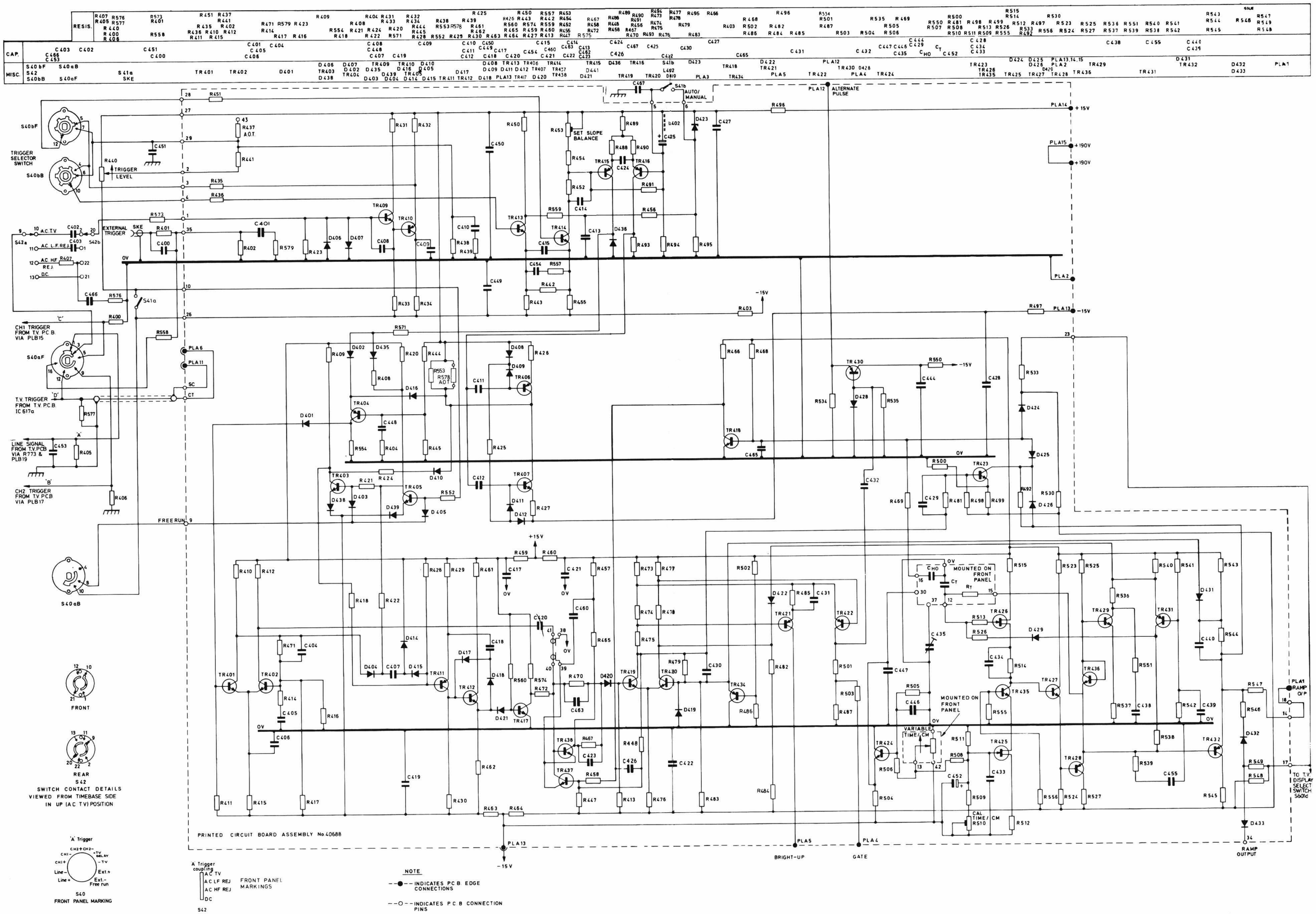
NOTES

1.

--○-- INDICATES P.C.B. CONNECTION PINS.

Fig. 4 Circuit Diagram Delay Equaliser and Output Driver

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Fig. 5 Circuit Diagram Timebase

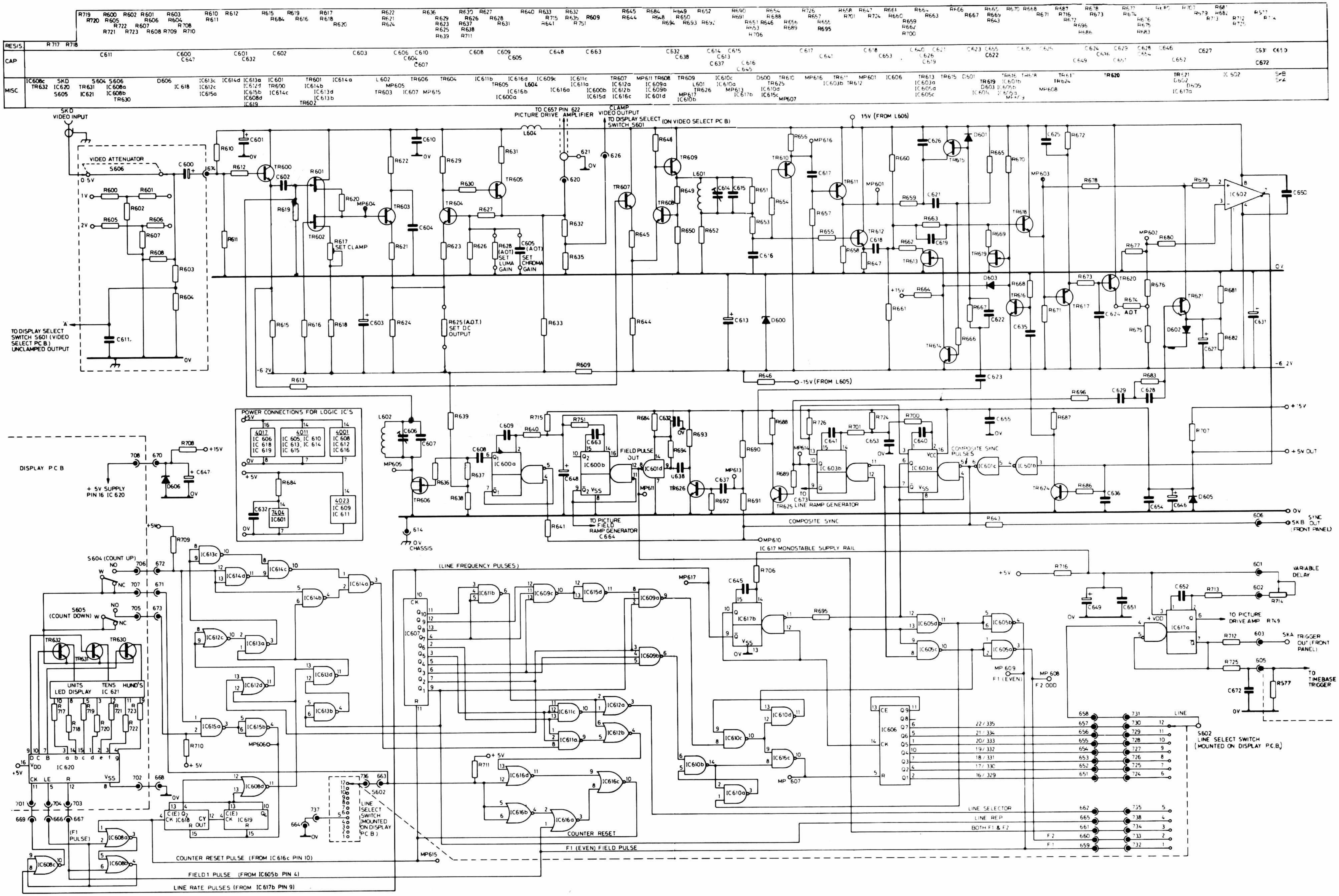
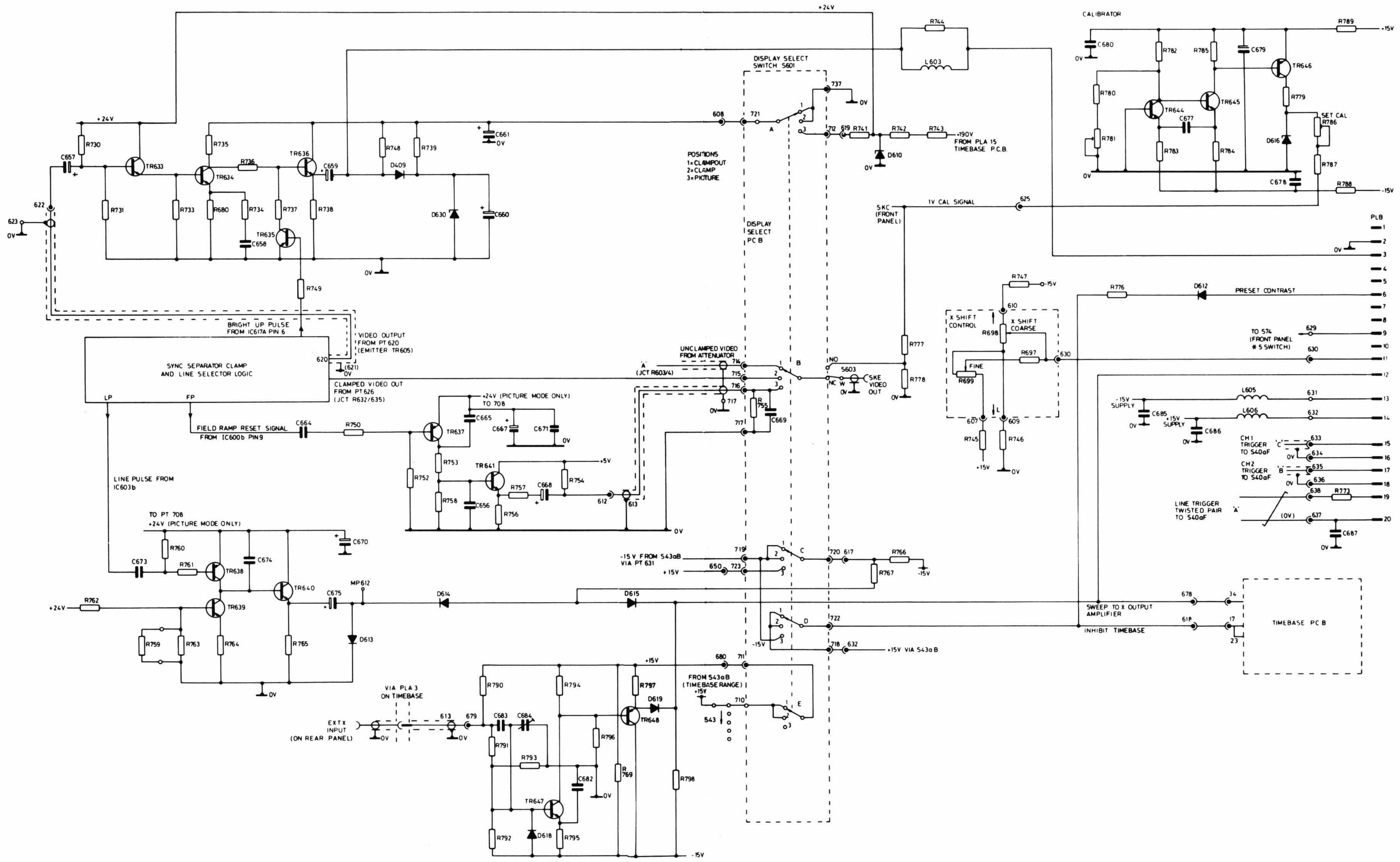


Fig. 6A Circuit Diagram TV Logic SK2604 Issue 1

RESIS	R730 R762 R731 R759 R760 R733 R761 R763 R735 R680 R764 R736 R734 R737 R749 R738 R765 R750 R748 R739 R752 R753 R758 R756 R790 R791 R792 R757 R793 R754 R794 R795 R796 R797 R769 R798 R755 R741 R767 R742 R777 R778 R766 R744 R743 R696 R745 R699 R747 R746 R698 R780 R781 R776 R782 R783 R785 R784 R779 R786 R787 R789 R788 R773
CAPS	C65 C673 C658 C674 C664 C659 C670 C675 C661 C660 C665 C656 C683 C667 C684 C668 C671 C682 C669 C680 C685 C677 C686 C679 C678 C687
MISC	TR633 TR634 TR638 TR639 TR635 TR640 TR636 D613 MP612 D409 D630 TR637 D614 TR641 TR647 D618 D615 D619 TR648 S43 S601 S603 SKE SKC D610 L603 TR644 TH645 D612 L605 L606 D616 TR646



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Fig. 6B Circuit Diagram TV Logic SK2604 Issue 1

RESIS	R921 R926 R925 R928 R933 R938 R940 R939 R935 R937 R947 R916 R917 R980 R982 R985 R987 R983 R988 R922 R923 R929 R951 R930 R931 R995 R936 R944 R971 R950 R961 R962 R903 R994 R914 R973 R915 R918 R972 R974 R975 R993 R978 R979 R905 R981 R907 R912 R984 R989 R927 R952 R924 R932 R934 R941 R902 R913 R945 R910 R904 R900 R919 R920 R909 R963 R911 R986 R990 R991 R906 R992
CAPACITORS	C924 C925 C921 C931 C926 C932 C927 C928 C929 C907 C908 C909 C922 C910 C984 C930 C923 C974 C985 C975 C973 C970 C976 C983 C982 C980 C979 C978 C981 C902 C903 C901 C905 C904
MISC	PLC 2 PLC 3 TR921 TR925 D921 D922 TR922 TR923 TR924 D923 D924 D925 D927 D926 TR926 TR927 RLA921 SKC3-6,11&12 SKB15 SKD16 TR928 PLC4 PLC6 SKC4 D904 SKC6 D928 SKB6 D905 SKB17 TR929 SKC10 TR904 TR905 SKB18 PLC 10 SKC 5 D902 SKB19 D970 D971 TR903 D976 D973 TR970 SKB20 D901 D971 D903 PLC 12,16,19,11 SKC12,16,19 D974 D975 SKA4 TR971 TR972 SKB3 SKC18 L970 SKA15 PLC7 SKC7 TR901 TR902 SKB11 N971 N972 PLC18 PL 14 SKA1,2,12 SKA14 SKB14 SKC14 PLC20 SKB2 SKA13 SKB13 SKC9 PLC9 SKC2,20

NOTES

1 —o— DENOTES CONNECTION WIRING PIN ON PCB

2 PLC CONNECTS DIRECT TO SKC

3 —◆— INDICATES PCB EDGE CONNECTIONS

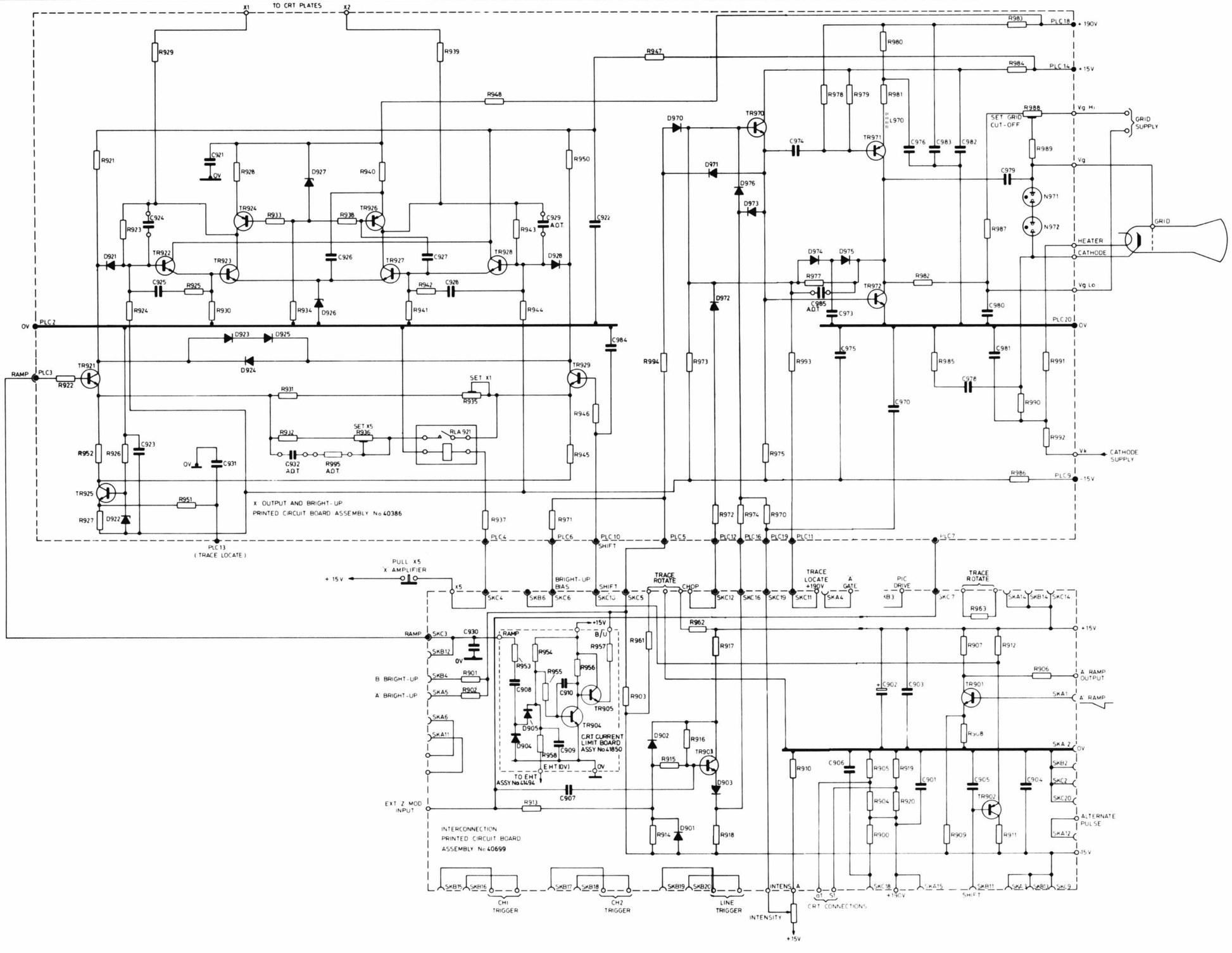


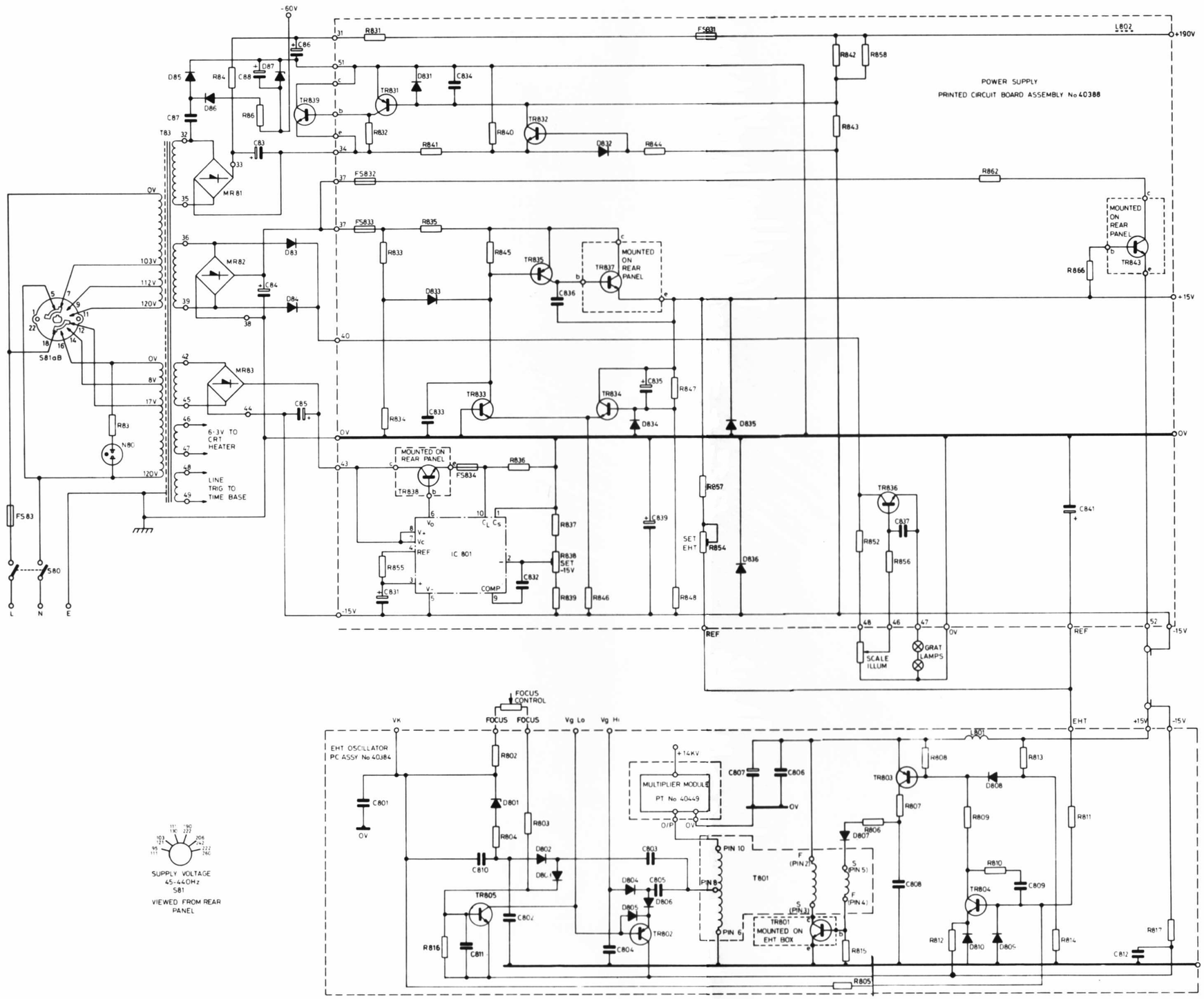
Fig. 7 Circuit Diagram 'X' Output, Bright-up & Interconnection SK2602 Issue 1

RESIS	R83 R84 R86 R831 R832 R833 R835 R834 R841 R835 R816 R802 R840 R804 R845 R803 R837 R838 R839 R846 R844 R847 R848 R857 R854 R842 R843 R805 R858 R856 R815 R806 R808 R807 R862 R809 R812 R810 R811 R866 R813 R814 R817	
CAPACITORS	C87 C88 C83 C86 C84 C85 C801 C831 C833 C801 C811 C834 C810 C802 C832 C836 C804 C835 C803 C839 C805 C807 C806 C837 C808 C841 C812	
MISC	FS83 S81aB S80 N80 T83 D85 D86 MR81 MR82 MR83 D87 D83 D84 TR839 TR831 FS832 FS833 TR838 D831 D833 FS834 TR833 TR805 D801 D802 TR832 TR835 D804 D805 D832 TR837 TR802 TR834 D806 D834 FS831 D835 TR801 D836 D807 D808 L801 TR804 D810 D809 C809 TR836 TR803 C841 L802 TR843	

NOTES

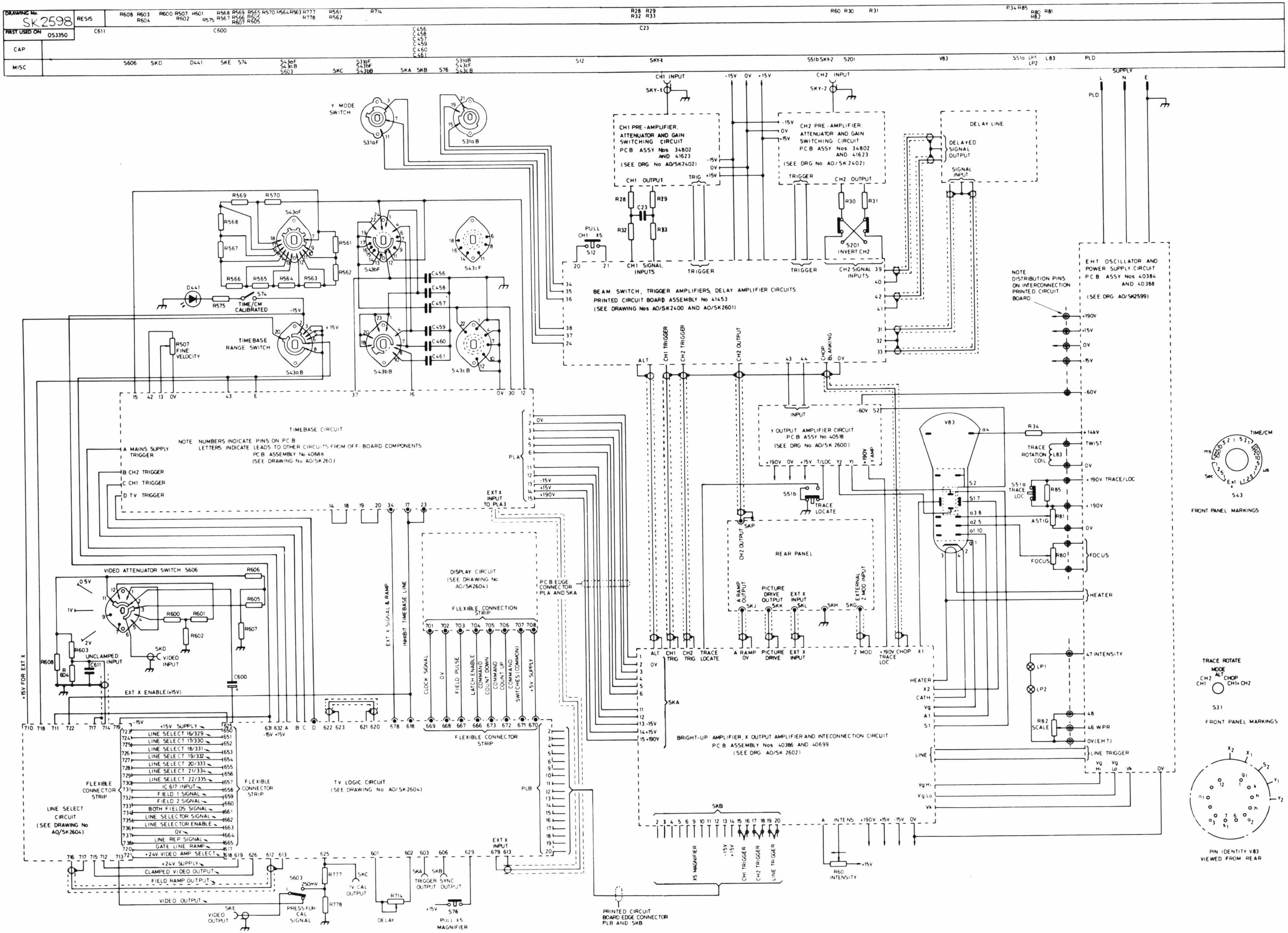
1 -●- INDICATES PCB EDGE CONNECTIONS

2 -○- INDICATES PCB CONNECTION PINS



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Fig. 8 Circuit Diagram Power Supply & E.H.T. Oscillator SK2599 Issue 1



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Fig. 9 Circuit Diagram Interconnections SK2598 Issue 1