

Fig 10a

Block Schematic

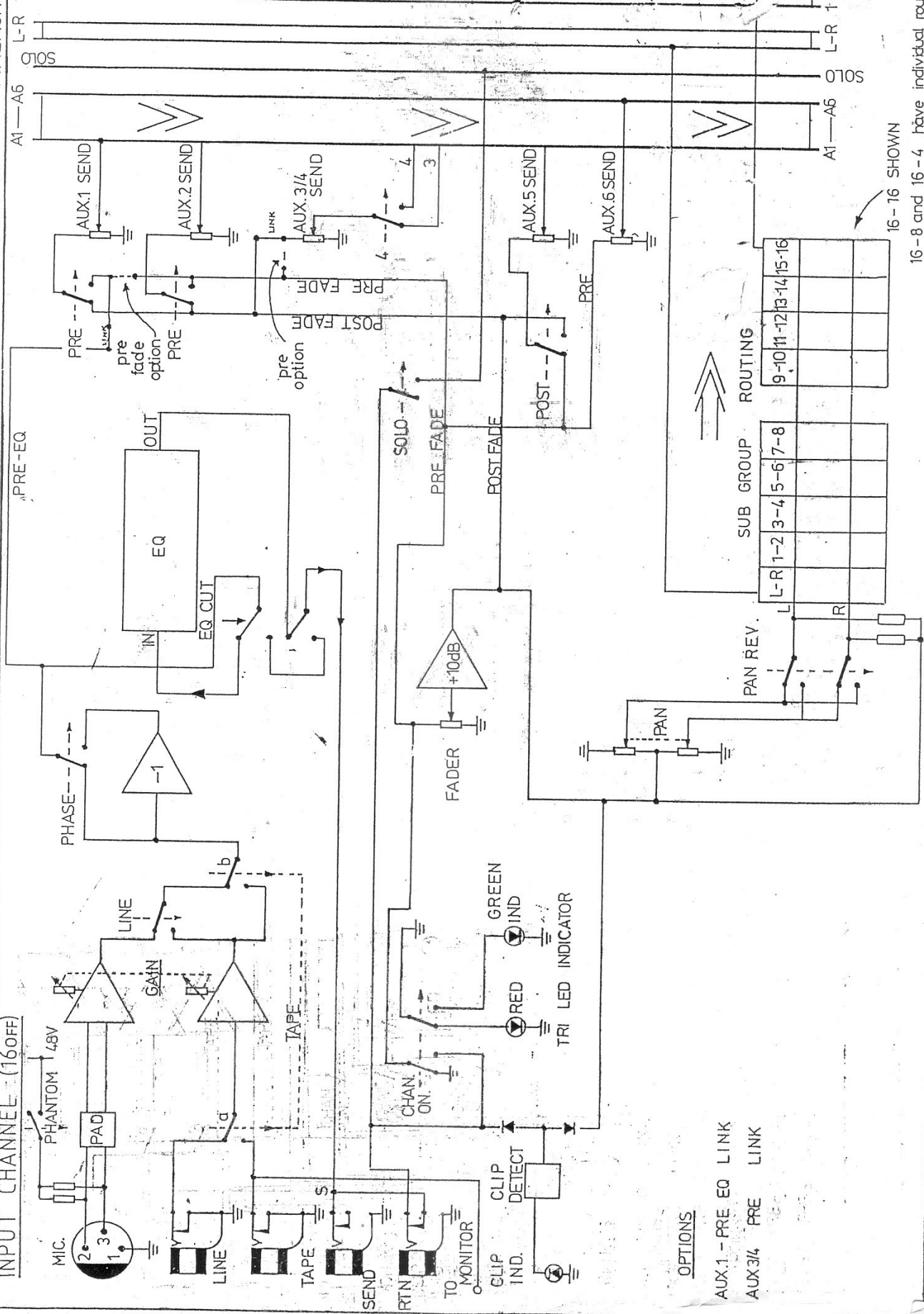
REV 11

NEW SERIES 16-16-2 / 16-8-2

BLOCK SCHEMATIC

MARCH 86

P. ALMON

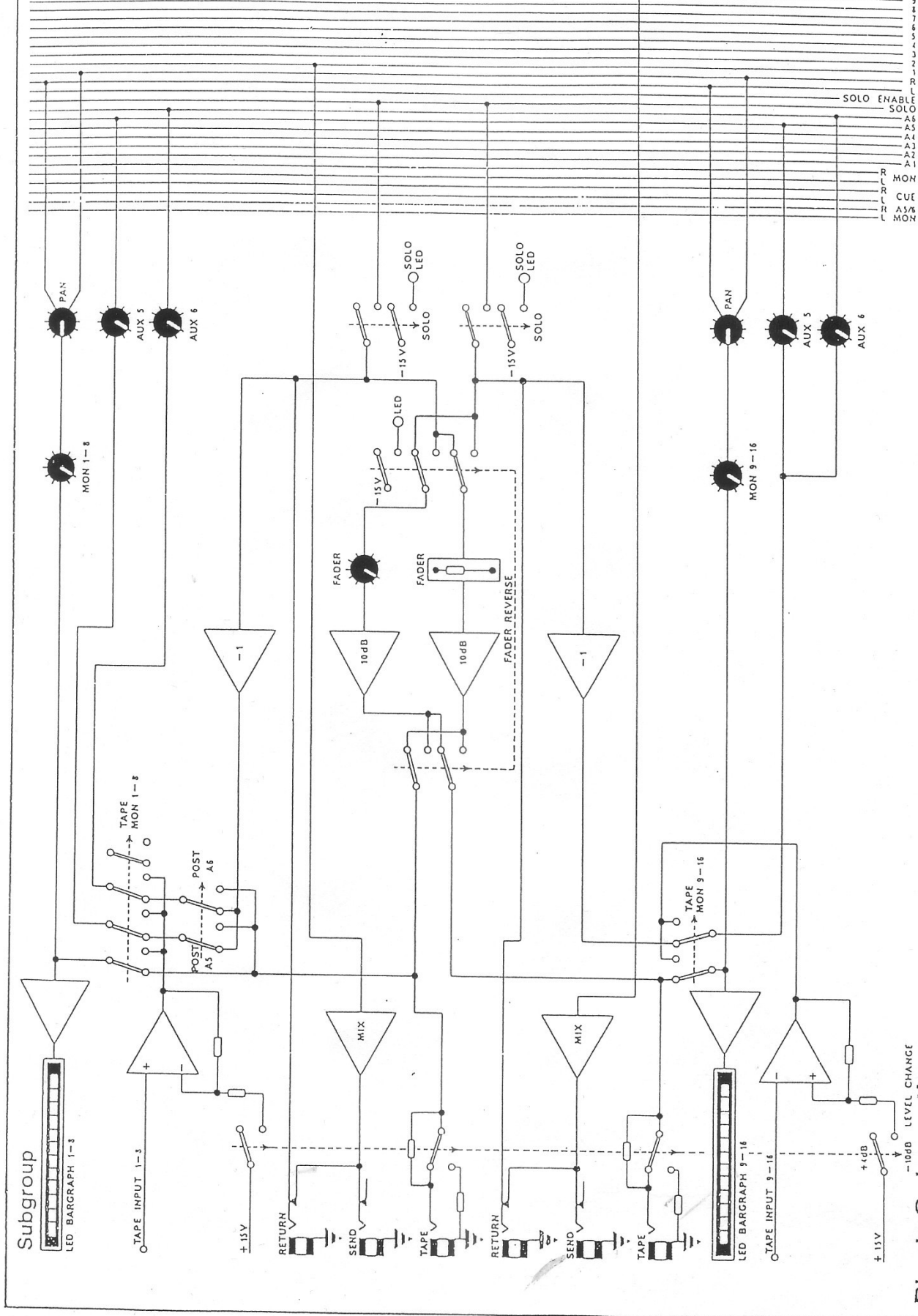


OPTIONS

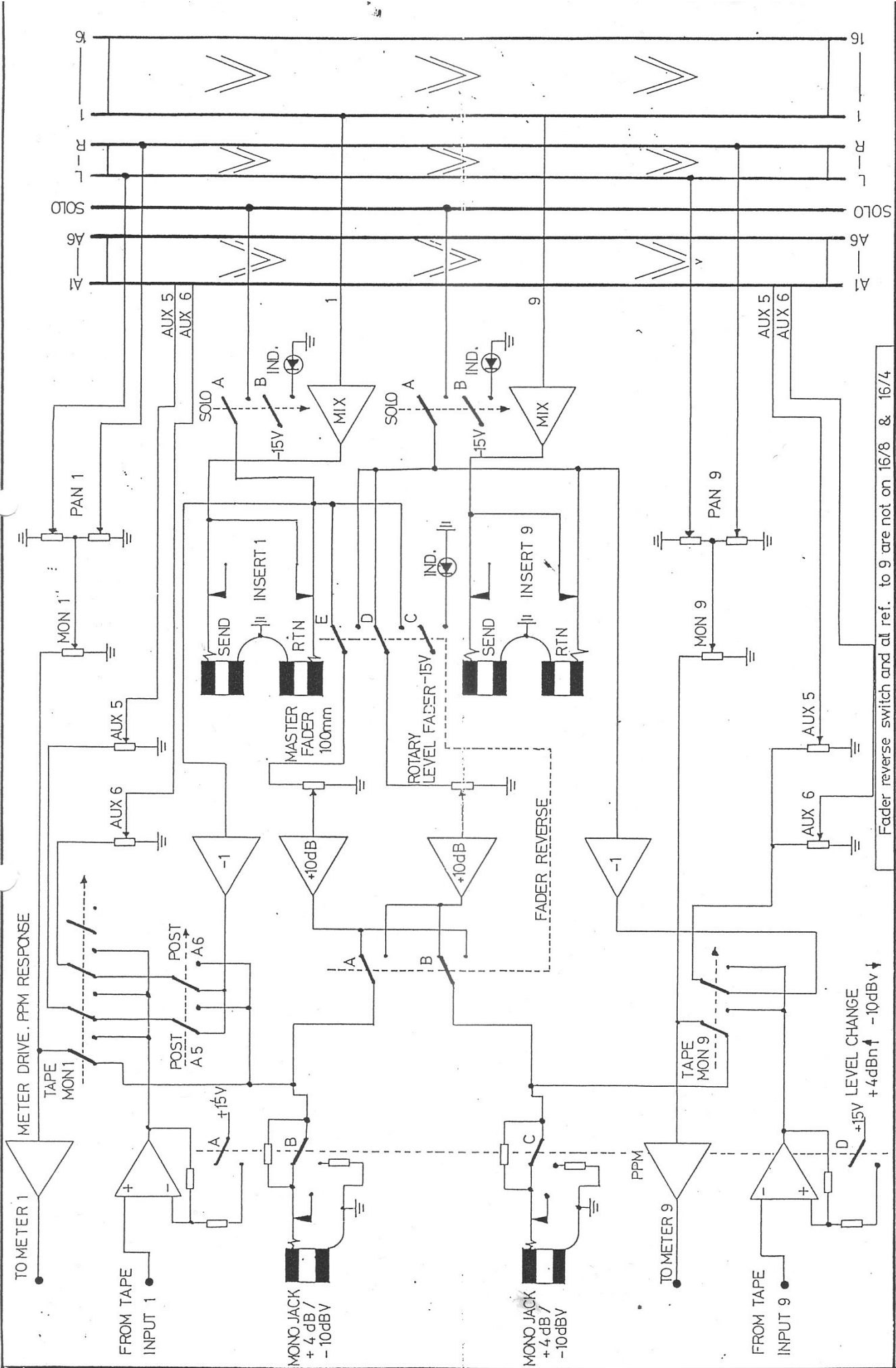
- AUX.1 - PRE EQ LINK
- AUX.3/4 PRE LINK

16-16 SHOWN

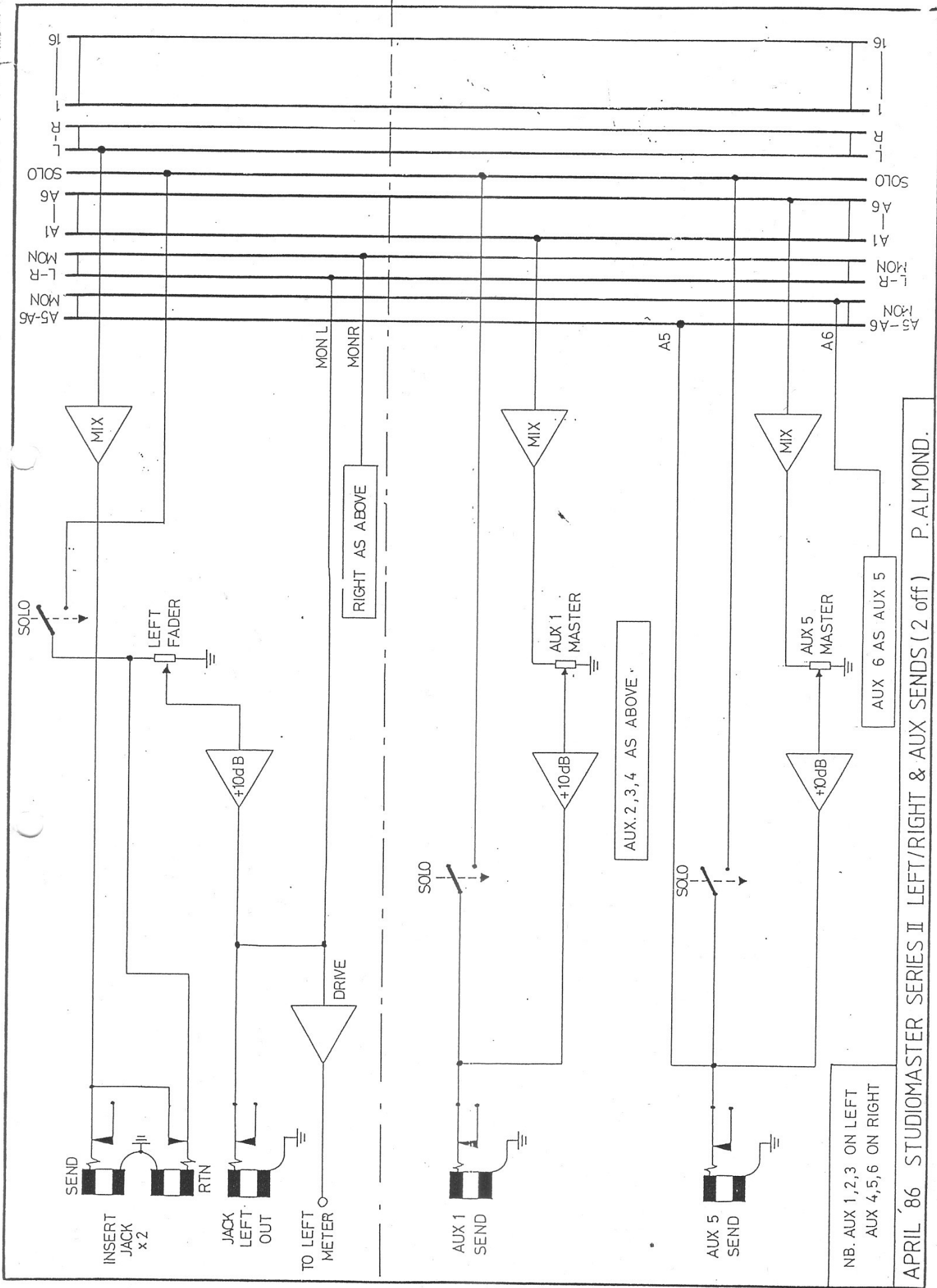
16-8 and 16-4 have individual routing



Block Schematic



Fader reverse switch and at ref. to 9 are not on 16/8 & 16/4

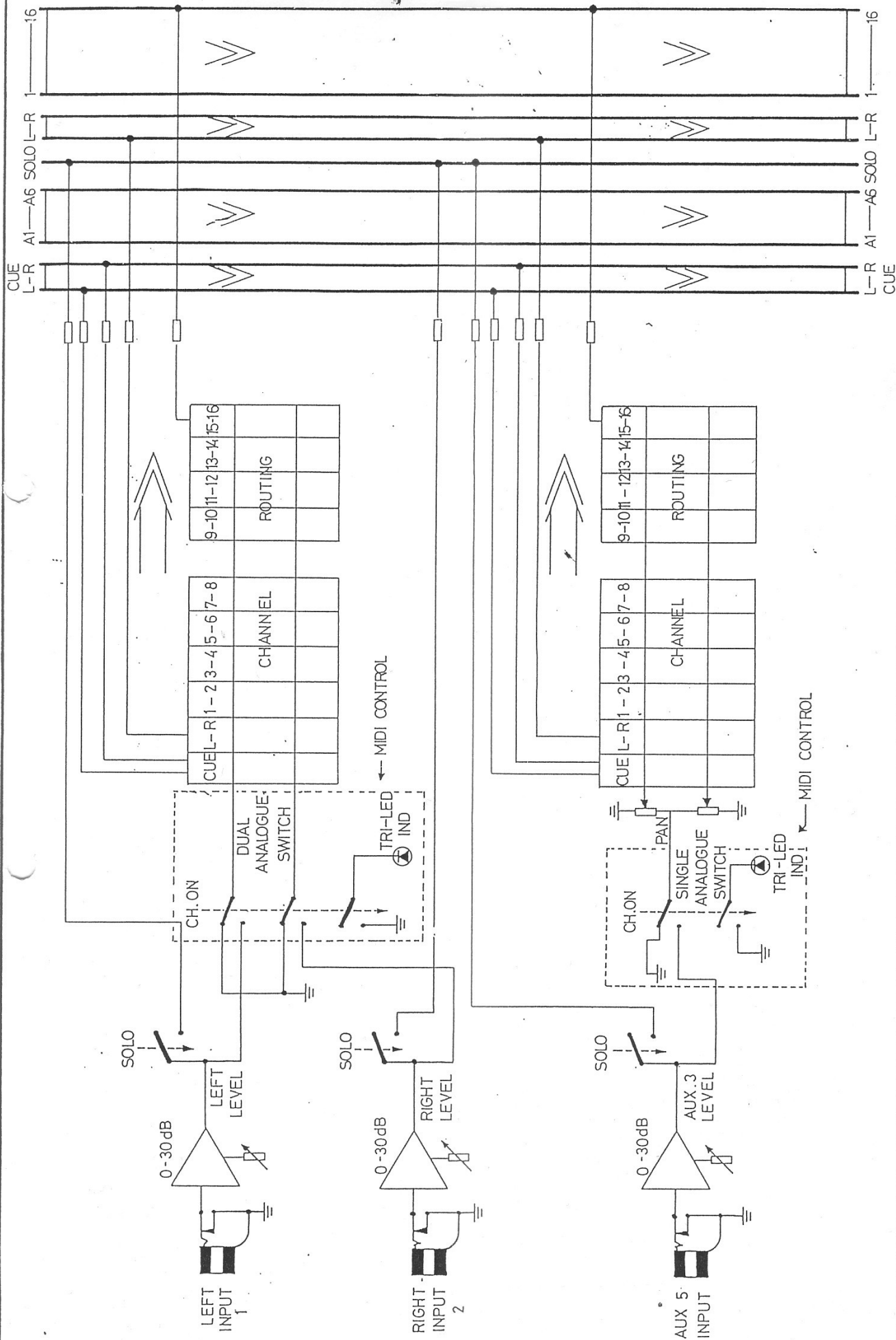


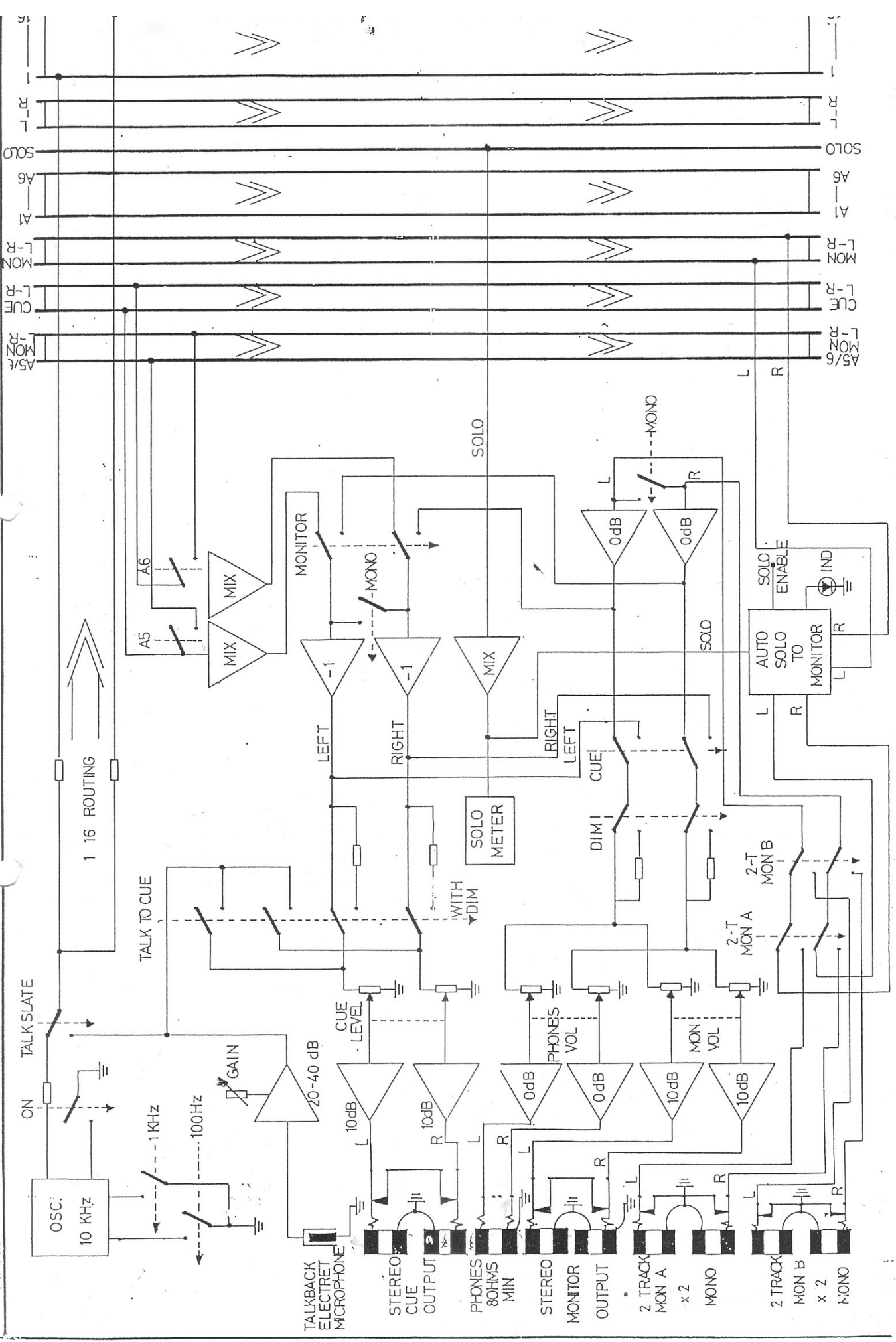
NB. AUX 1,2,3 ON LEFT
 AUX 4,5,6 ON RIGHT

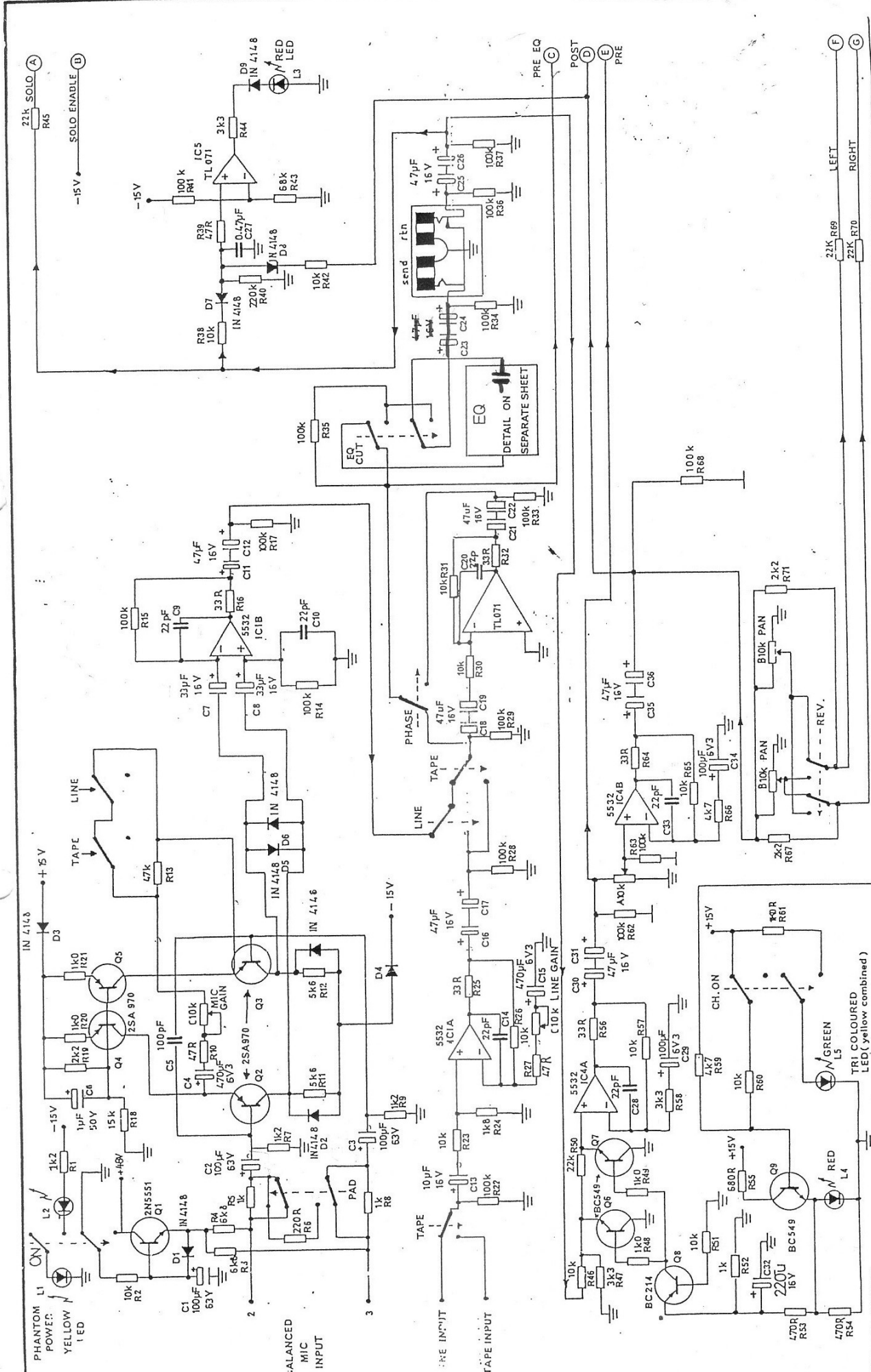
RIGHT AS ABOVE

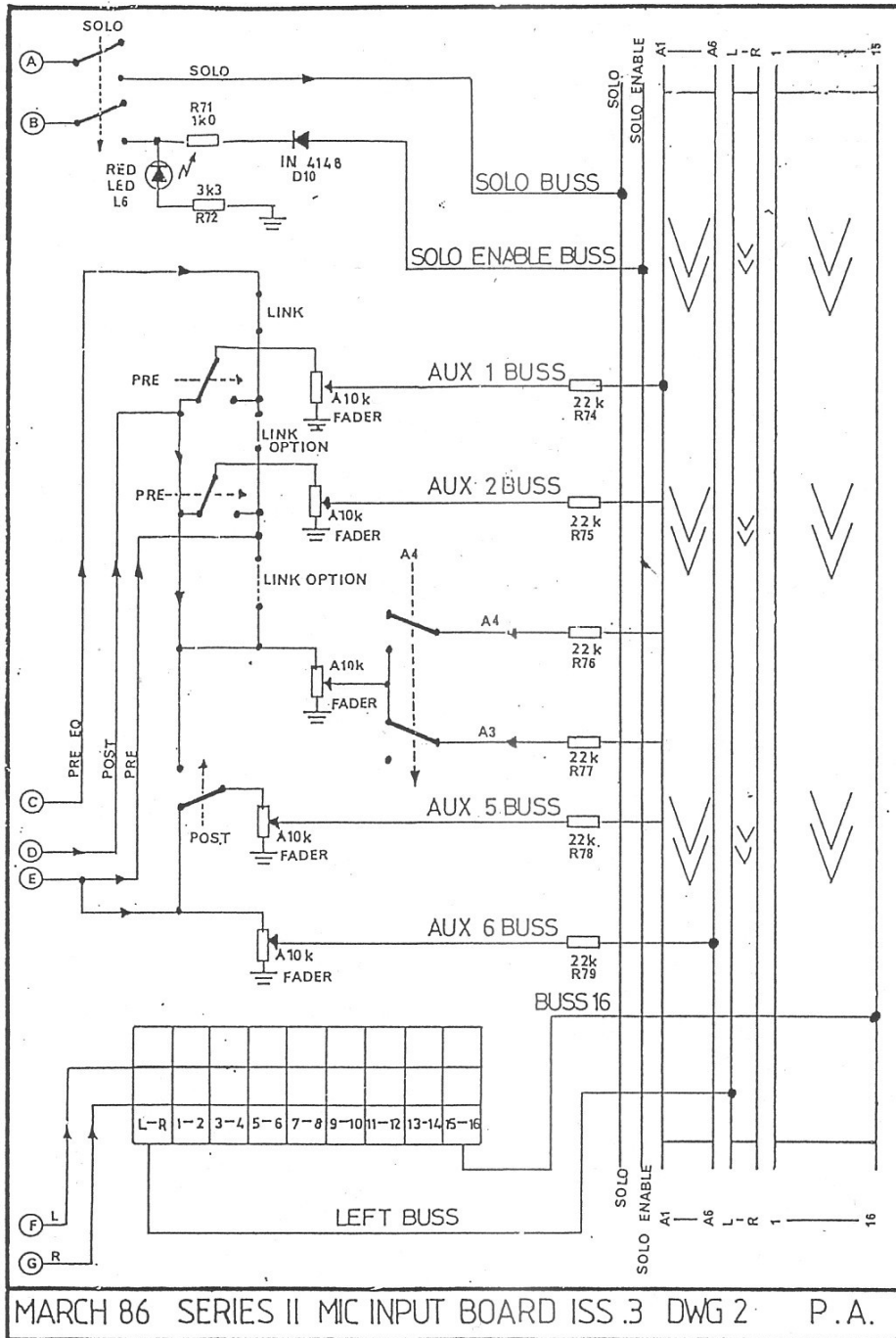
AUX. 2, 3, 4 AS ABOVE

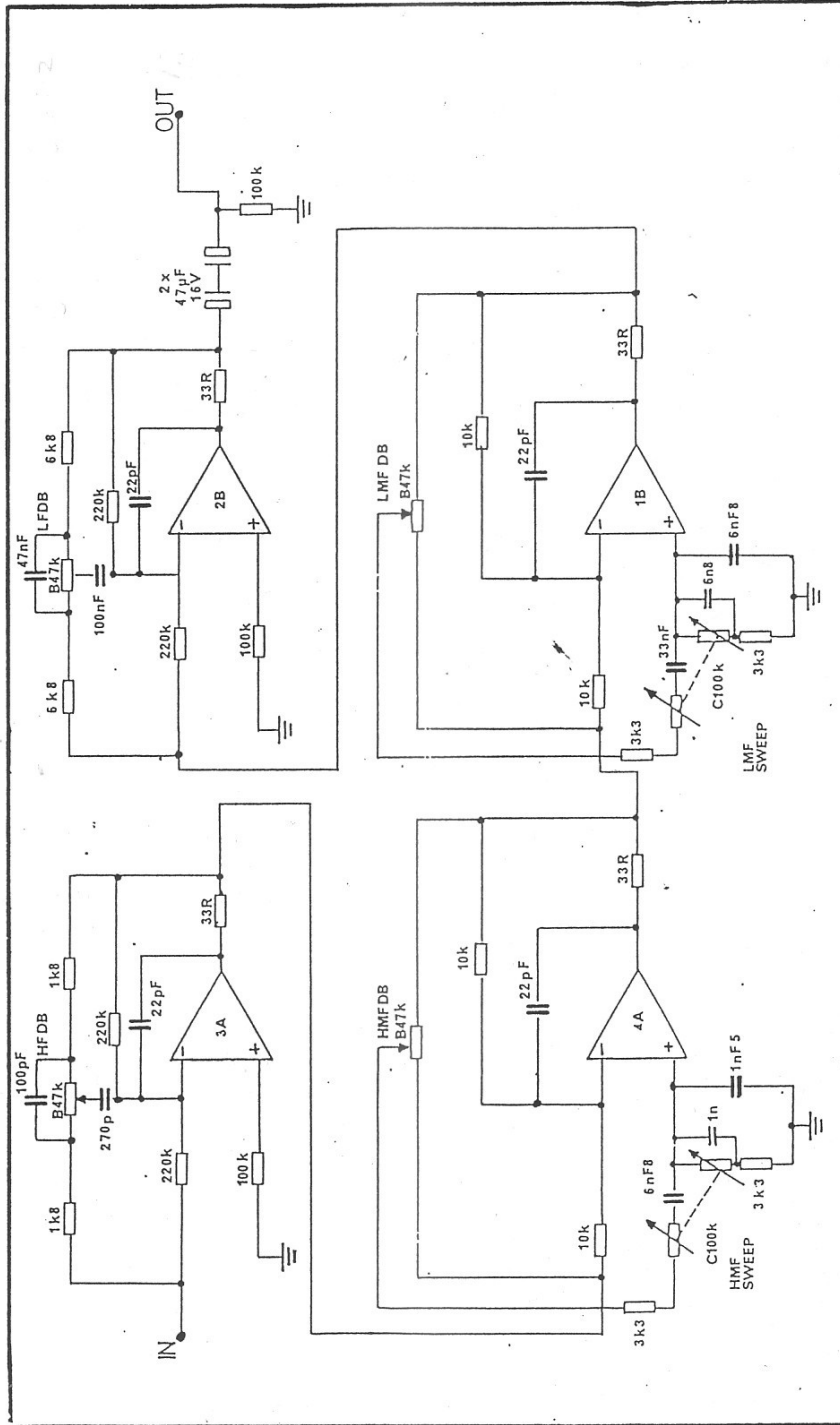
AUX 6 AS AUX 5



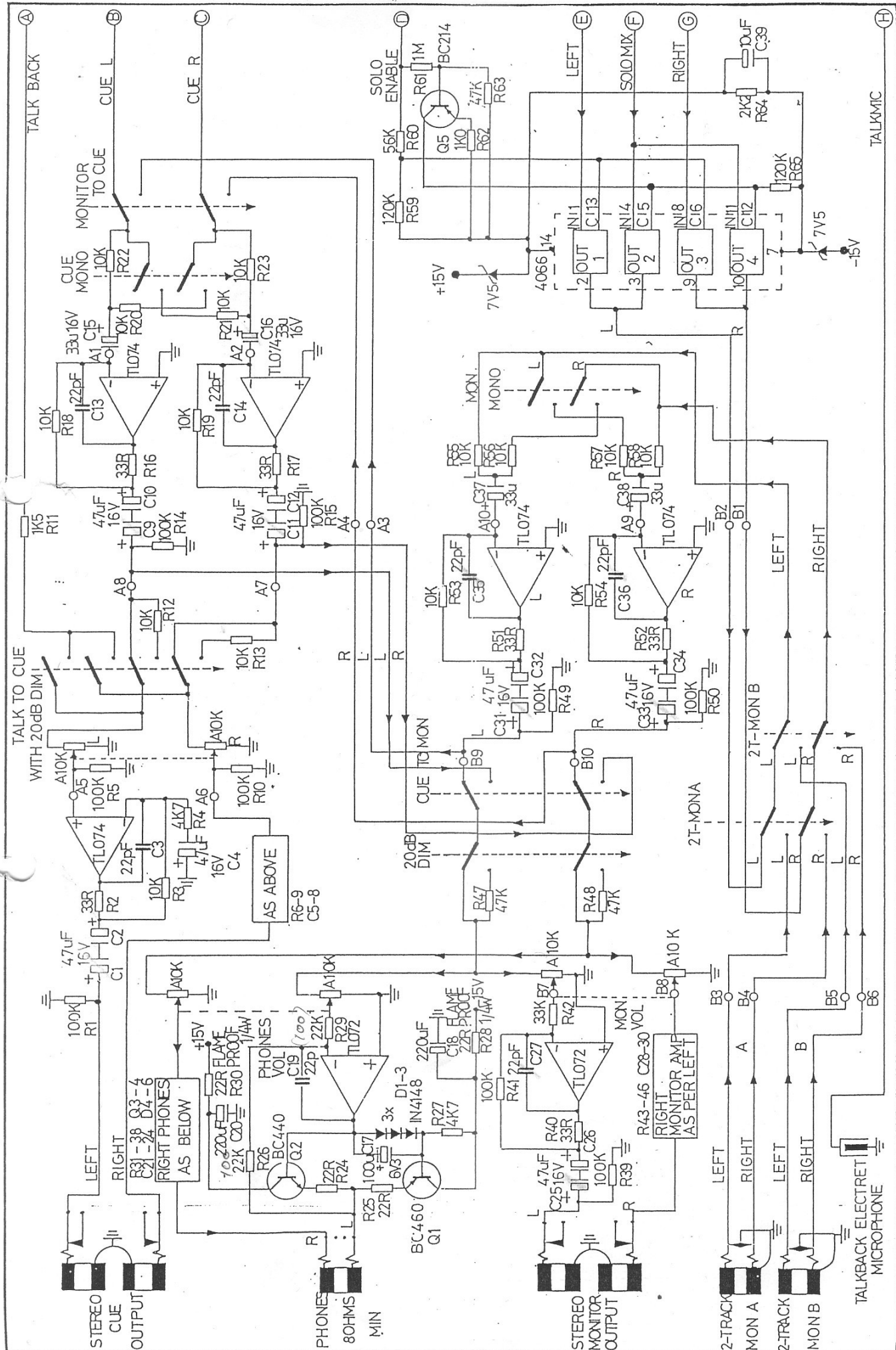


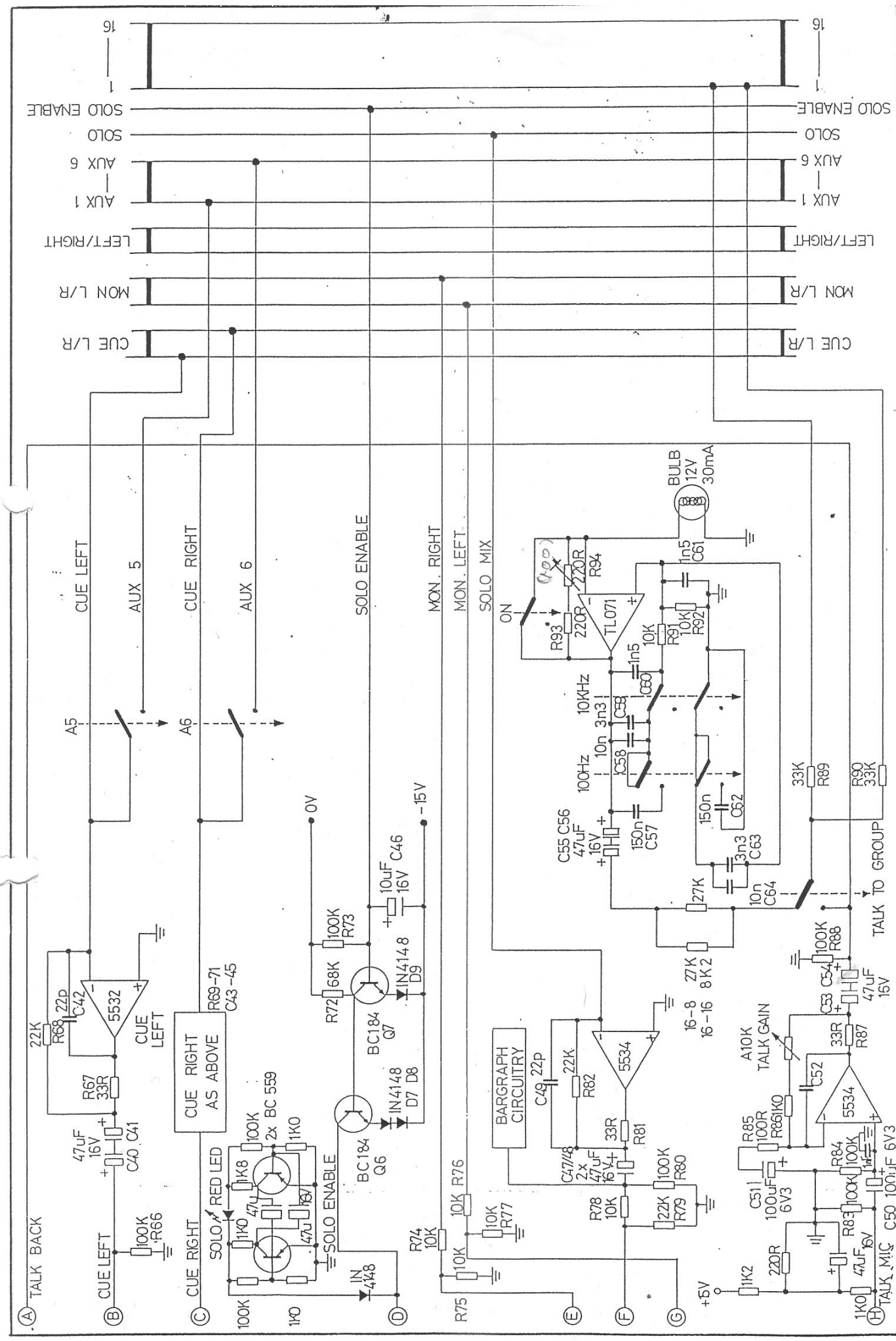


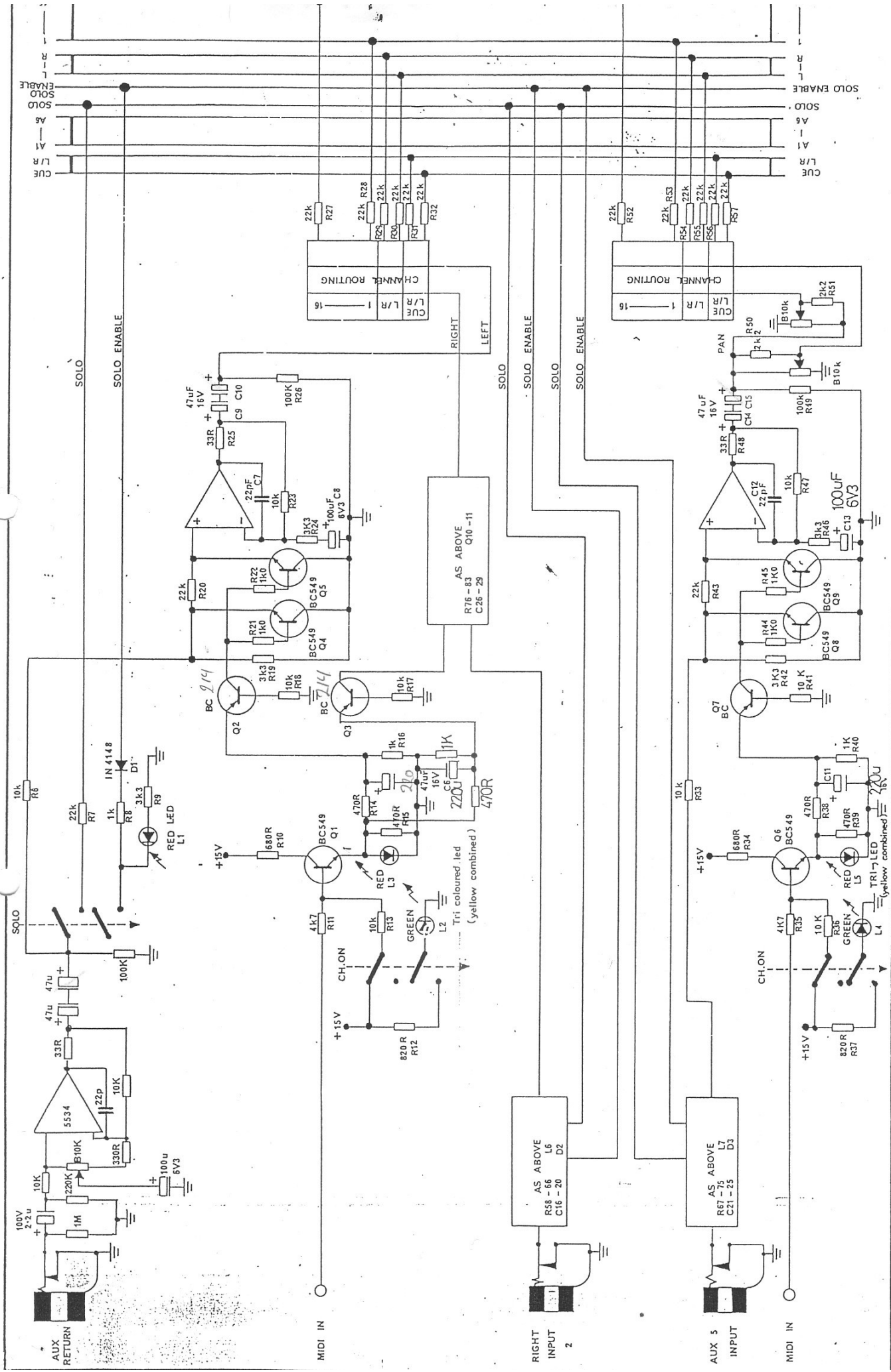




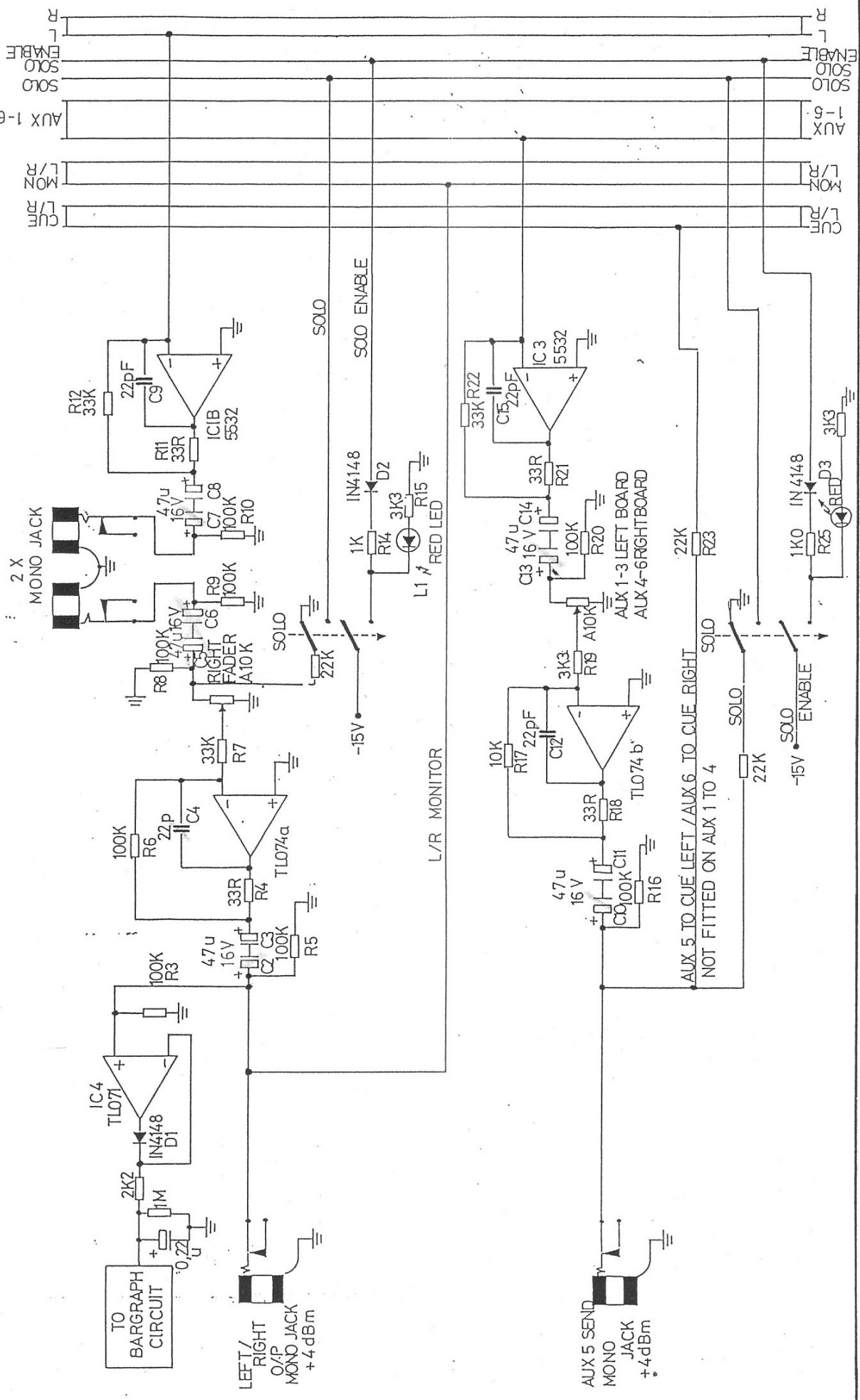
MARCH 86 SERIES II MIC INPUT BOARD EQ DETAIL ISSUE 3 DRAWING NO.3 P. ALMOND.



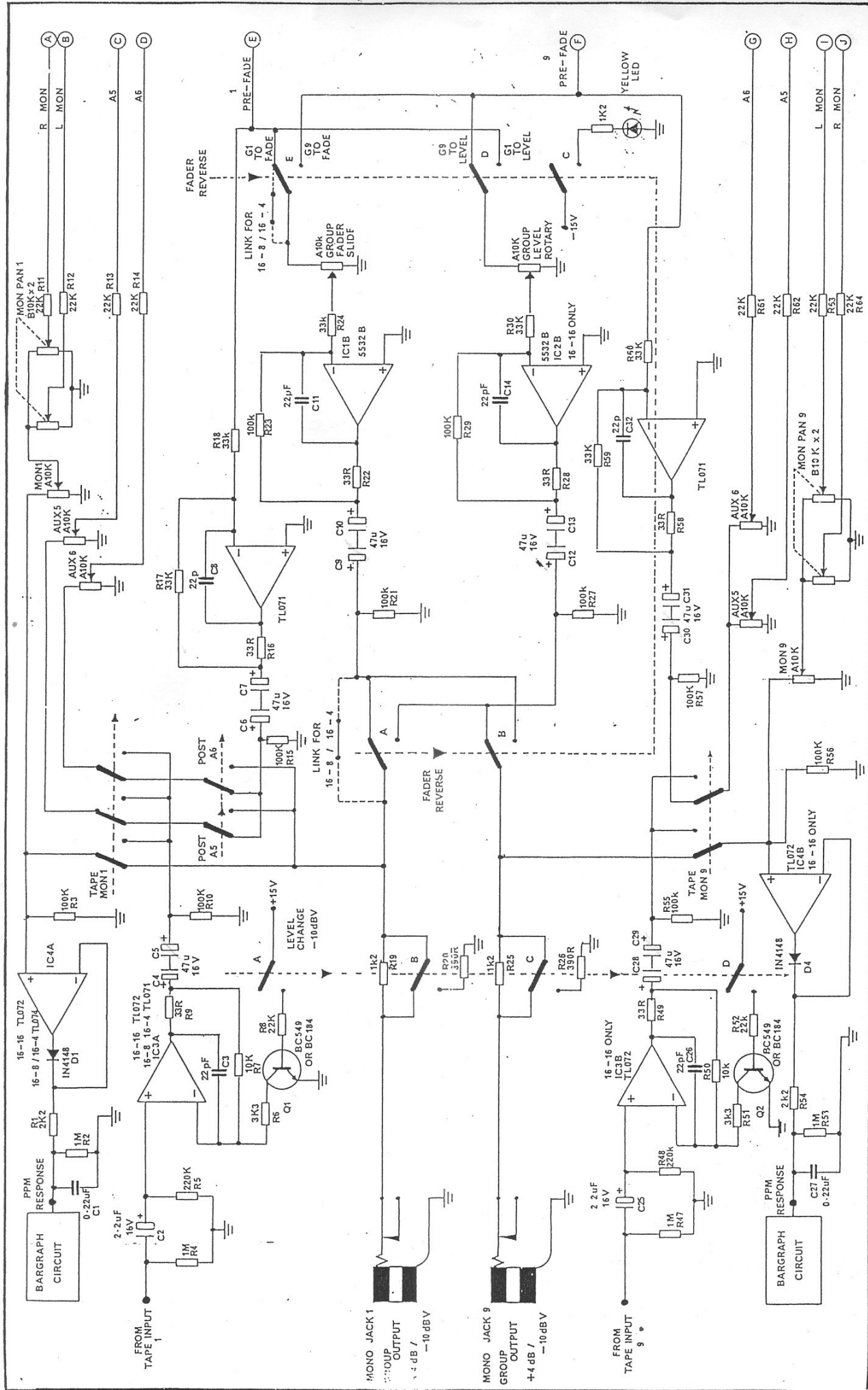


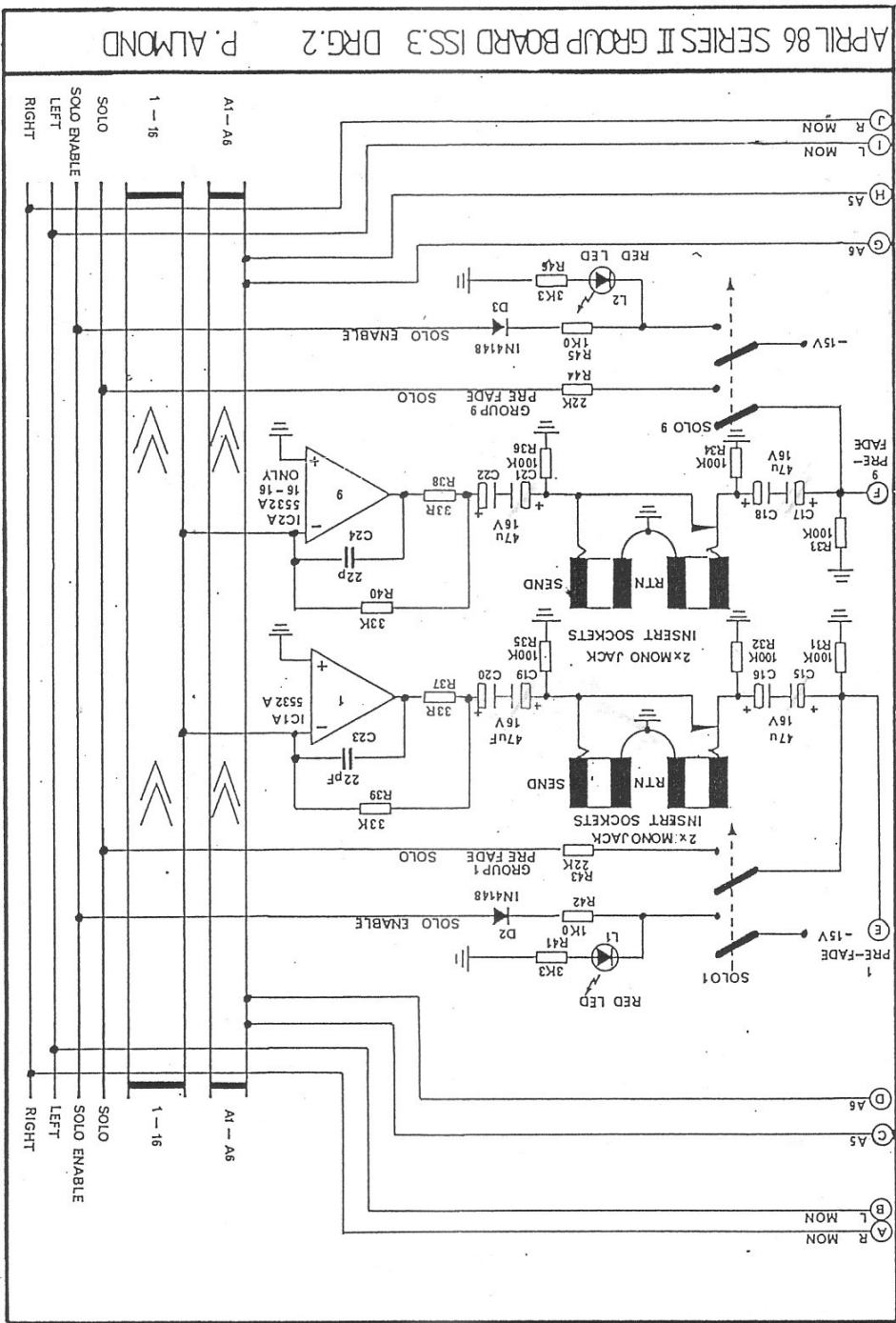


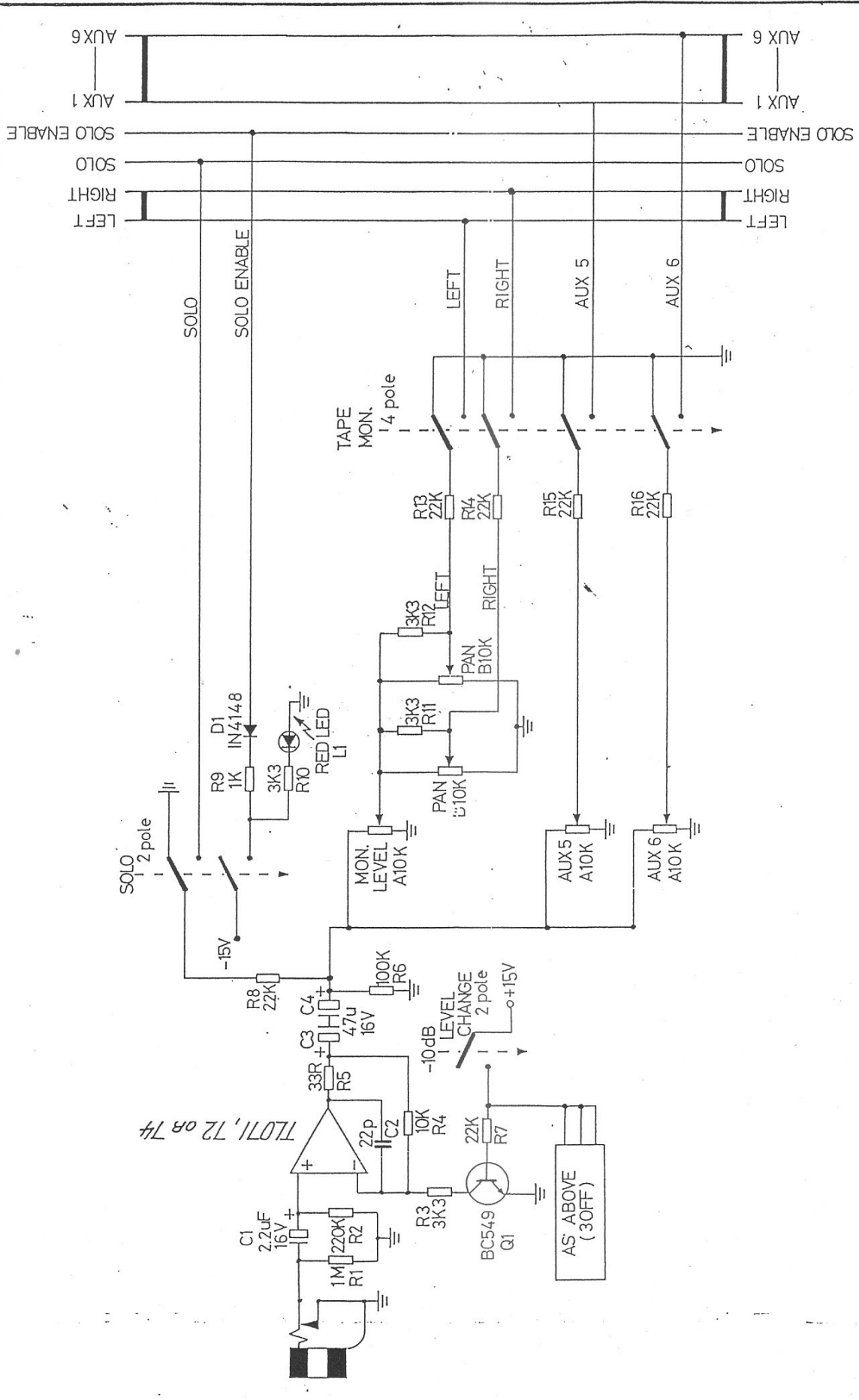
12th August 1986 Studiomas Series II Aux Return ISS.5 (2 OFF) aux 3 stereo & aux 4 and 6 on second P.C.B Drawn By P. Almond

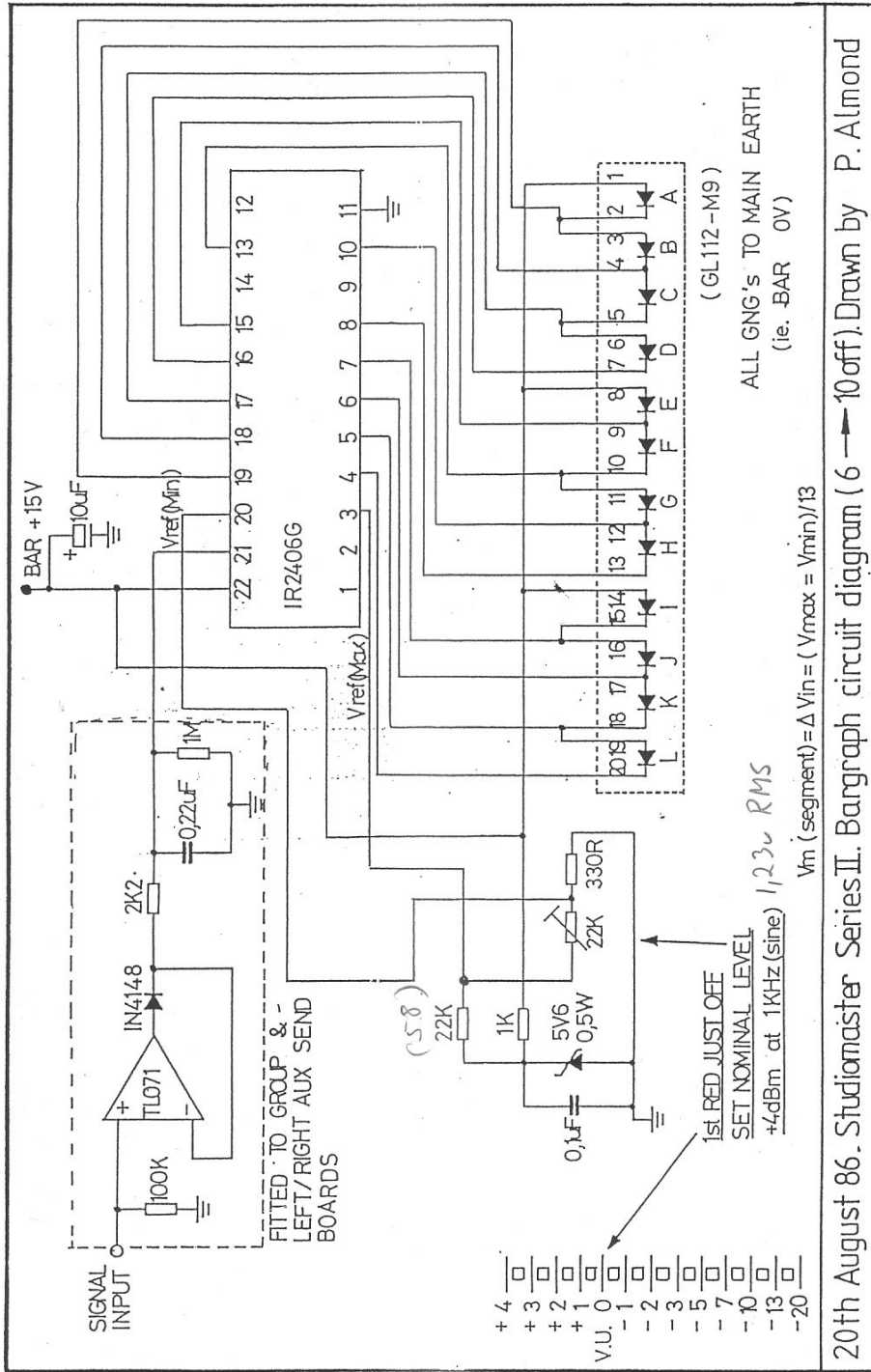


APRIL 86 STUDIOMASTER SERIES II LEFT / RIGHT AUX SENDS DRAWING NO.1of1 P. ALMOND.

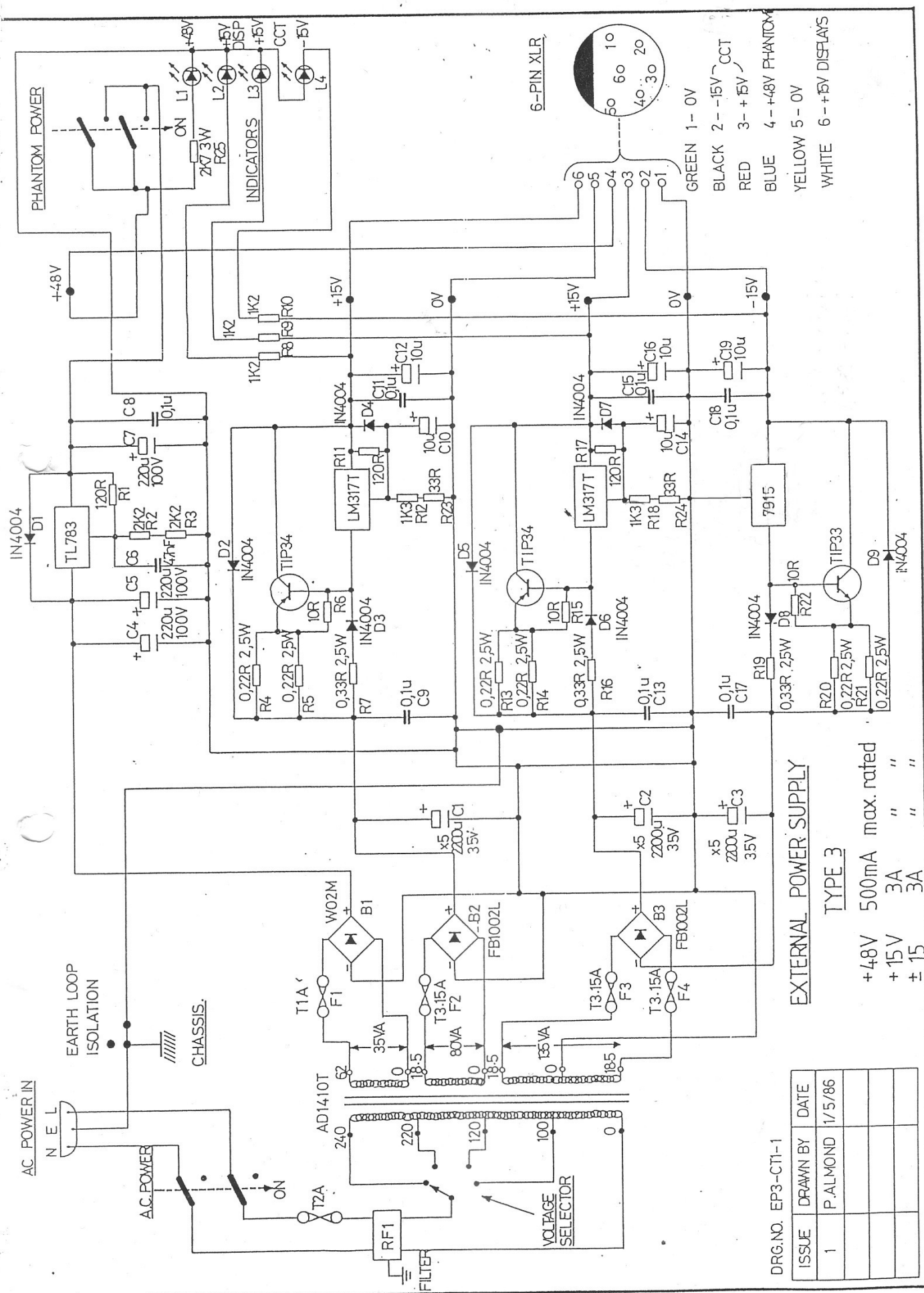








20th August 86. Studiomaster Series II. Bargraph circuit diagram (6 → 10 off). Drawn by P. Almond



DRG. NO. EP3-CT1-1

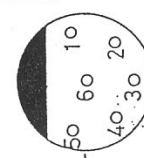
ISSUE	DRAWN BY	DATE
1	P. ALMOND	1/5/86

EXTERNAL POWER SUPPLY

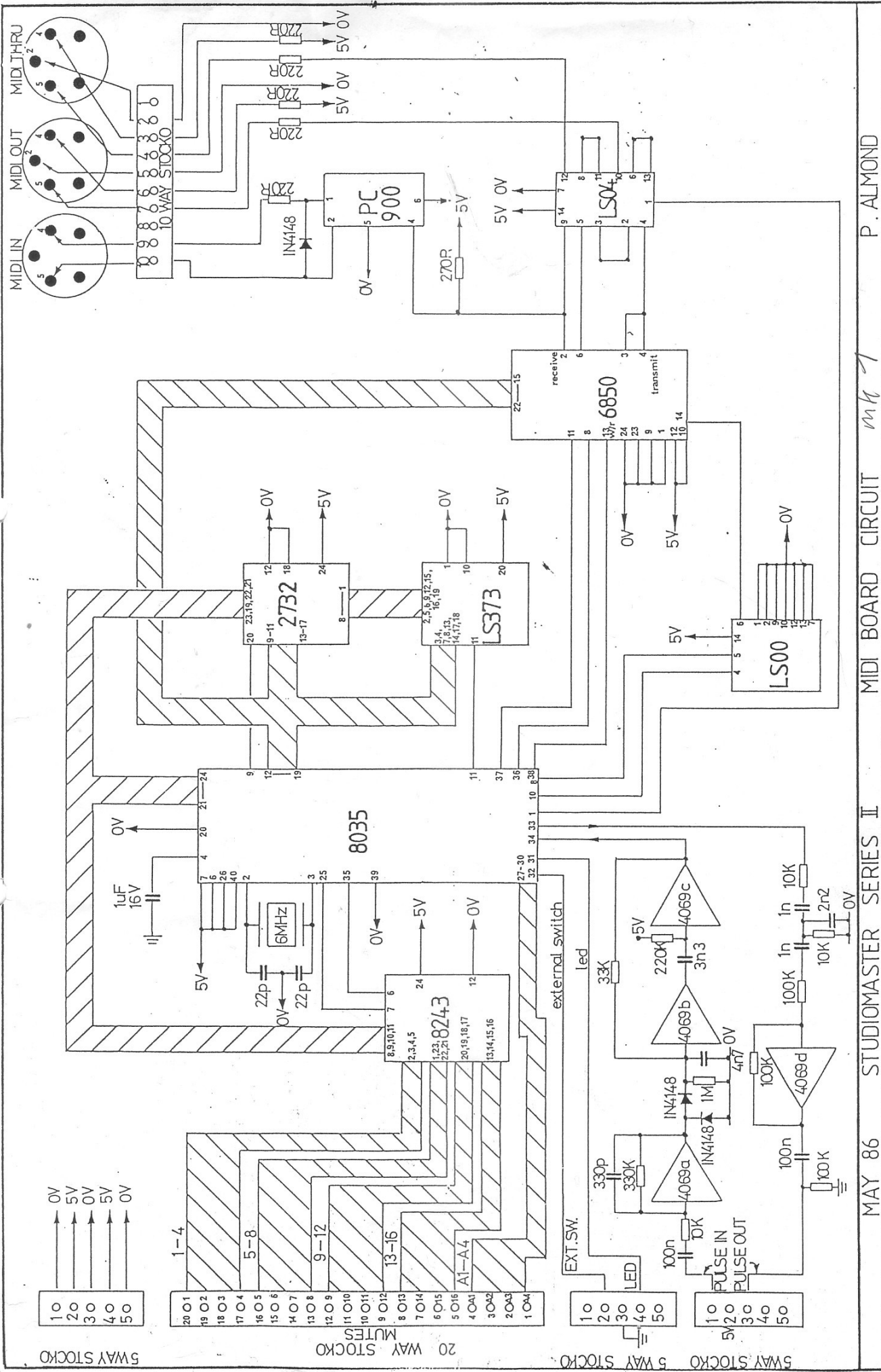
TYPE 3

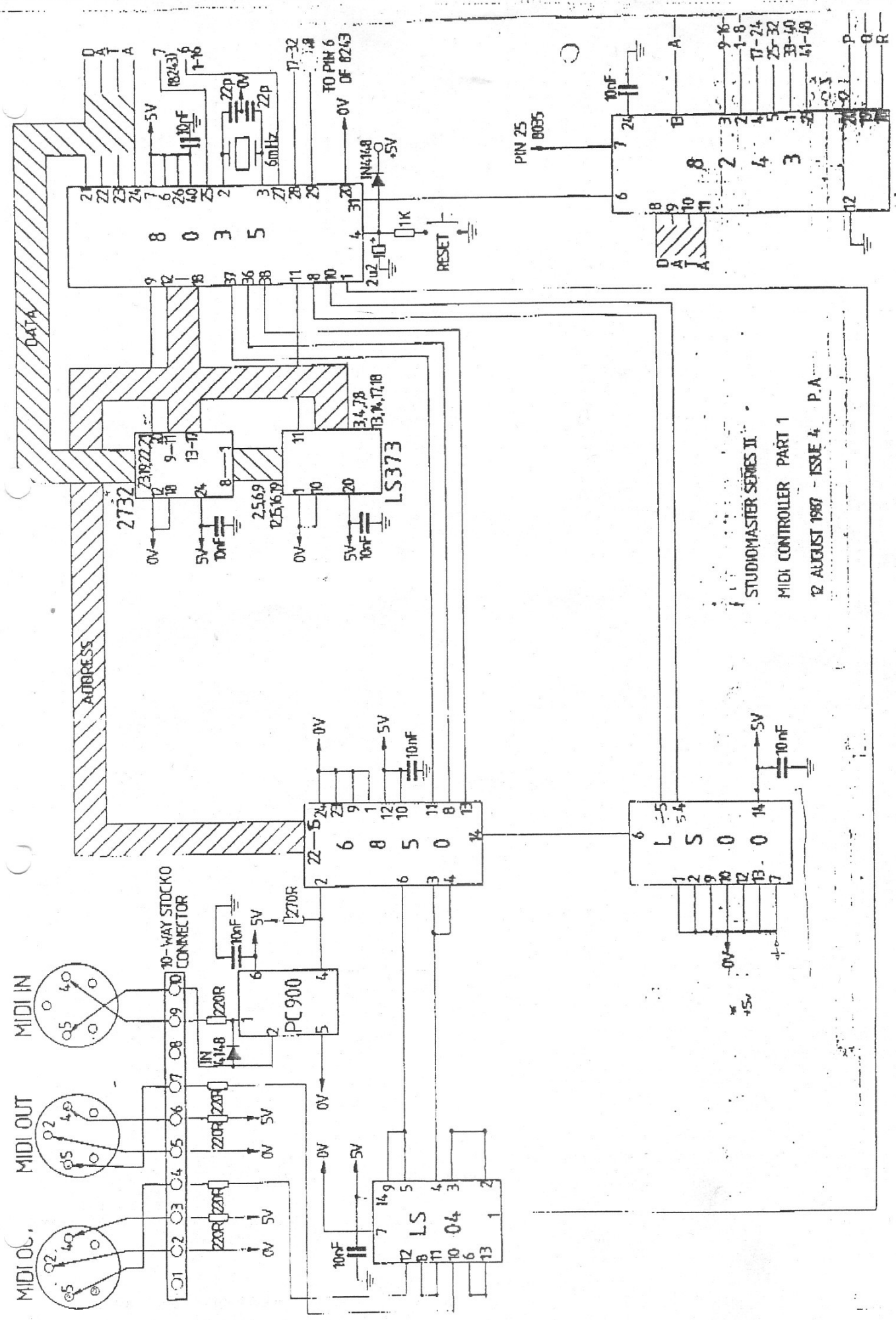
- +48V 500mA max. rated
- +15V 3A " "
- ±15V 3A " "

6-PIN XLR



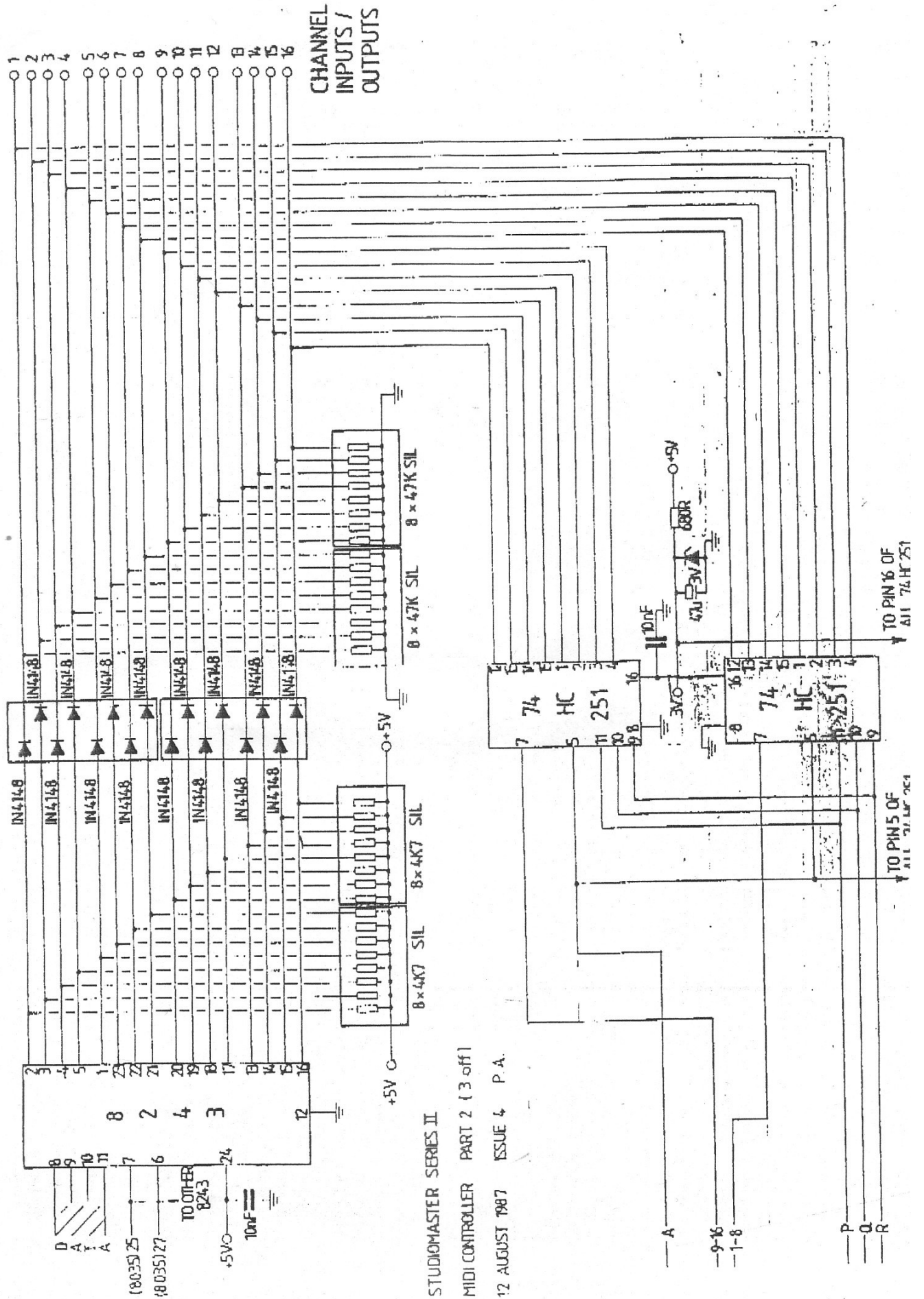
- GREEN 1-0V
- BLACK 2--15V CCT
- RED 3--15V
- BLUE 4--48V PHANTOM
- YELLOW 5-0V
- WHITE 6--15V DISPLAYS





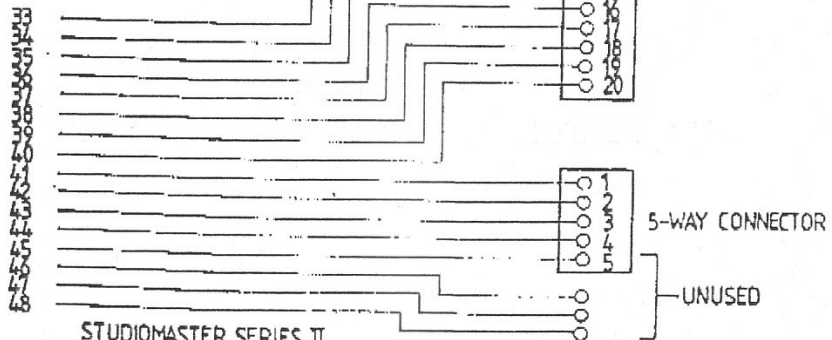
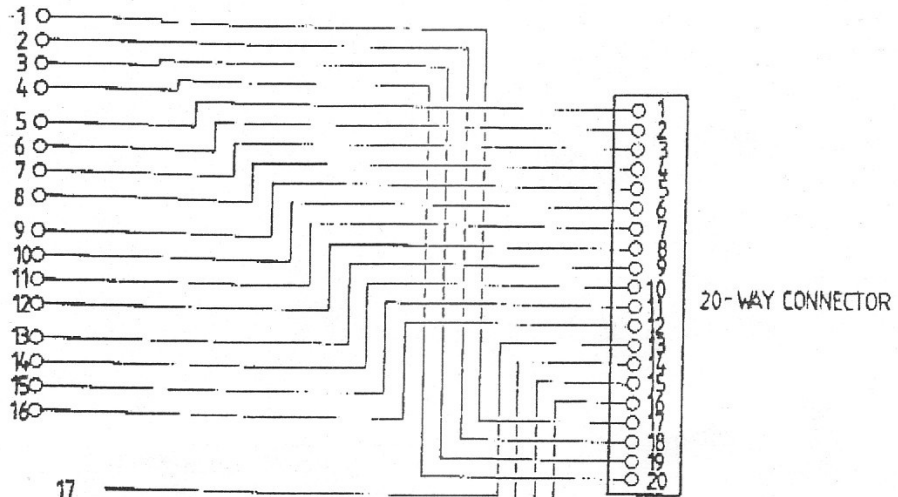
STUDIOMASTER SERIES II
 MIDI CONTROLLER PART 1
 2 AUGUST 1987 - ISSUE 4 P.A

(3 off)



STUDIOMASTER SERIES II
MIDI CONTROLLER PART 2 (3 off)
12 AUGUST 1987 ISSUE 4 P.A.

A
-9-16
-1-8
P
Q
R



STUDIOMASTER SERIES II

MIDI CONTROLLER PART 3

12 AUGUST 1987 ISSUE 3 P. A.

STUDIOMASTER
SERIES 2 MIXING CONSOLES.

MIDI SPECIFICATIONS (MK 2 UPDATE)

The MIDI interface operates on MIDI CHANNEL 16 in both receive and transmit modes.

The Series 2 mute system operates using NOTE ON MIDI codes with:

Velocity	64	-	NOTE ON	(CHANNEL MUTE)
Velocity	0	-	NOTE ON	*(CHANNEL ON)

* Equivalent to NOTE OFF.

There are three PATCH PROGRAMS which are selected using PROGRAM CHANGE MIDI codes.

MIDI CHART.

NOTE ON	1001nnnn	Okkkkkkk	Ovvvvvvv
PROGRAM CHANGE	1100nnnn	Oppppppp	(Patch Change)
	nnnn	=	MIDI CHANNEL NUMBER
	kkkkkkk	=	KEY (MUTE) NUMBER
	vvvvvvv	=	VELOCITY VALUE
	ppppppp	=	PROGRAM NUMBER.

KEY NUMBER CHART.

KEY No.	CONTROL	No.
36	AUX RETURN	1/2
37	AUX RETURN	3/4
38	AUX RETURN	5
39	AUX RETURN	6
40	INPUT CHANNEL	1
to	" "	to
55	INPUT CHANNEL	16

MAIN CONSOLE

cont.....

WRITE
RECORD

MANUALLY MUTING A CH. TRANSMITS A NOTE ON CODE VELOCITY 64 (MUTE)
MANUALLY TURNING A CH. ON TRANSMITS A NOTE ON CODE VELOCITY 0 (CH ON)

SERIES 2 MIDI SPECIFICATIONS (MK 2 UPDATE)

.....contd

KEY No.	CONTROL	No.
56	INPUT CHANNEL	17
to	" "	to
63	INPUT CHANNEL	24
} EXPANDER 1		
64	INPUT CHANNEL	25
to	" "	to
71	INPUT CHANNEL	32
} EXPANDER 2		
72	INPUT CHANNEL	33
to	" "	to
79	INPUT CHANNEL	40
} EXPANDER 3		

NOTE ON INFORMATION RECEIVED BY THE CONSOLE IS RE-TRANSMITTED VIA THE MIDI OUT

PATCH CHANGE CHART.

Using PROGRAM CHANGE MIDI codes.

- PROGRAM 1 - RESET
- 2 - RECORD SELECT
- 3 - ACCEPT RECORD SELECT

PATCH INFORMATION RECEIVED BY THE CONSOLE IS NOT RE-TRANSMITTED VIA THE MIDI OUT

PROGRAM 1

Reset system to power status i.e. all mutes in record (TRANSMIT) and playback (RECEIVE).

MIDI switch (previously SYNC TO TAPE) becomes RESET switch and performs the above function also.

PROGRAM 2

Transmitting program 2 to the mixing console enables the user to manually turn on those channels it is wished to record from and turn off those it is not.

SERIES 2 MIDI SPECIFICATIONS (MK2 UPDATE)

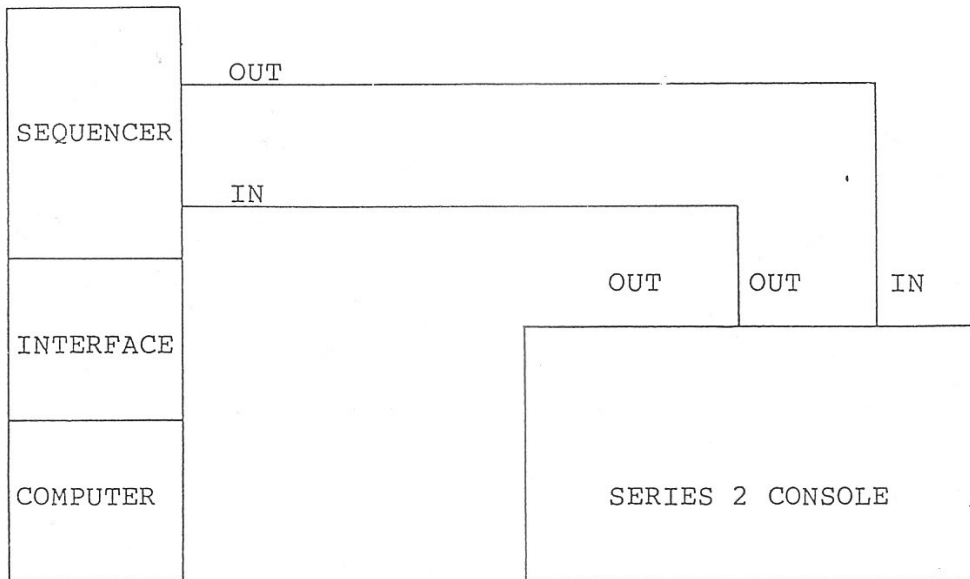
Example: Assigning CHANNEL ON switch on input channels 1, 2, 3 and 4 with all other inputs manually MUTED will enable the user to record (TRANSMIT) from input channel mute switches 1, 2, 3, and 4. All other mute switches will playback (RECEIVE) only, once a combination is set. Any combination is feasible. Turning the selected switches on and off transmits the code.

PROGRAM 3

Transmitting program 3 accepts and stores the combination set in program 2. To change the combination it is necessary to return to program 2 or program 1 for RESET.

CONNECTING UP

NOTE: Before connections are made, the power must be switched OFF. All MIDI leads are 5-pin DIN to 5-pin DIN. They must be of the "straight-through" type (ie NOT "mirror") and not exceed 15 metres in length. For example: Switchcraft 05GM5M.



Also available from Studiomaster is a MIDI interface for the Commodore 64/128 computers.

The manufacturer reserves the right to change features and specification without prior notice.

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