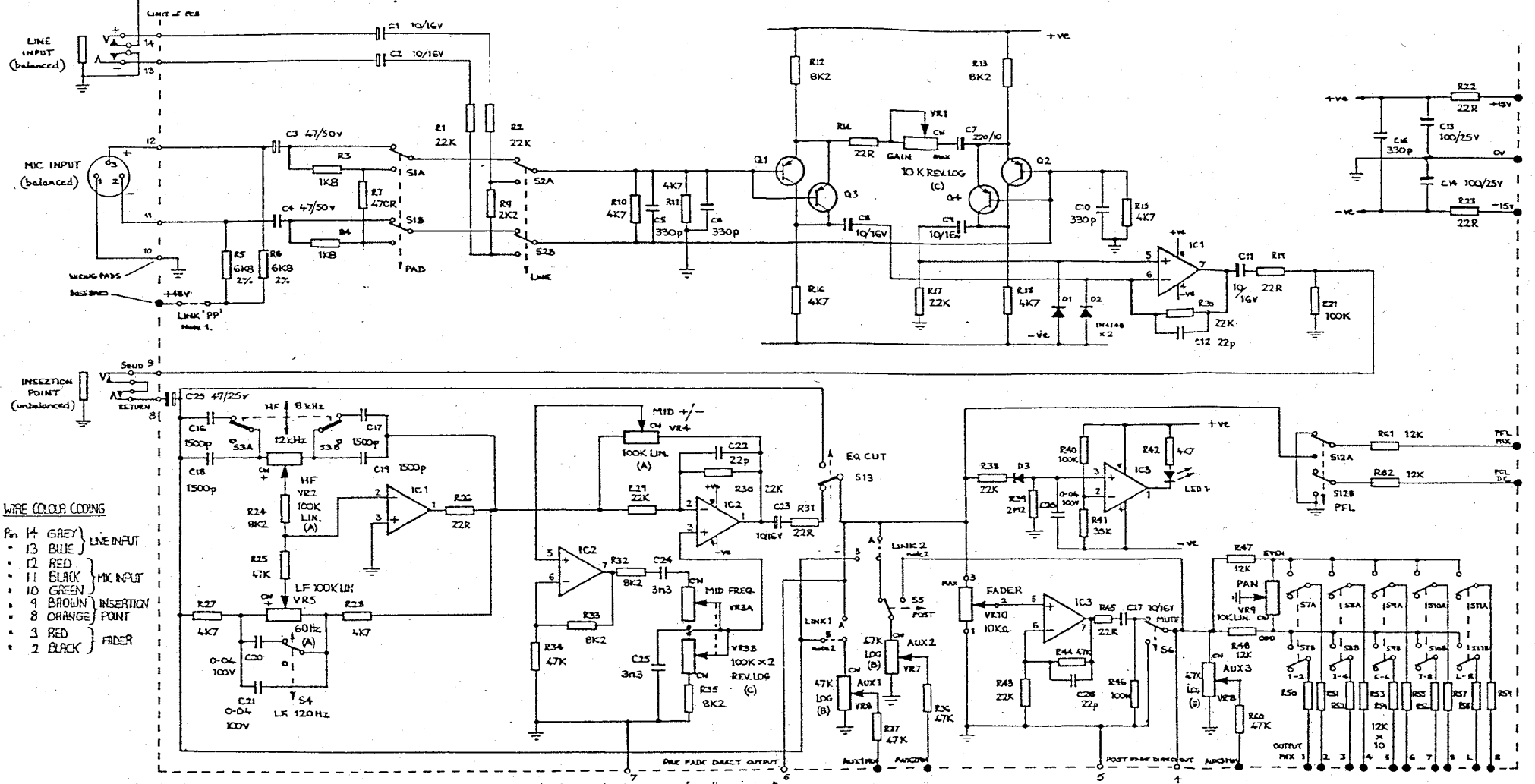


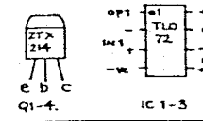
FROM TAPE I/P cct. (channels connected correspond to the number of the tape input)



- WIRE COLOUR CODING**
- Pin 14 GREY } LINE INPUT
  - 13 BLUE }
  - 12 RED }
  - 11 BLACK } MIC INPUT
  - 10 GREEN }
  - 4 BROWN } INSERTION POINT
  - 8 ORANGE }
  - 3 RED } FADER
  - 2 BLACK }

- NOTES:**
- 1 Link 'PP' is fitted at time of manufacture and may be removed by cutting to disconnect +48v phantom power from the mic input.
  - 2 Link 1 is fitted at time of manufacture in position A (AUX1 POST-EQ) and may be changed by soldering to position B (AUX1 PRE-EQ).  
Link 2 - - - - - position A (AUX2 POST-EQ) - - - - - to position B (AUX2 PRE-EQ)
  - 3 Switches are shown in the OUT position.
  - 4 R8, C26 not fitted.
  - 5 Resistors 1/4W 5% unless specified.
  - 6 After 5/4 513 added and VR10 changed to 10K (ALPS).

© ALLEN & HEATH BOWELL LTD. 1982



SYSTEM 8: INPUT CHANNEL CIRCUIT  
DWG 277 Iss.3 PCB TYPE AG0060 Iss.2 NOV 1983

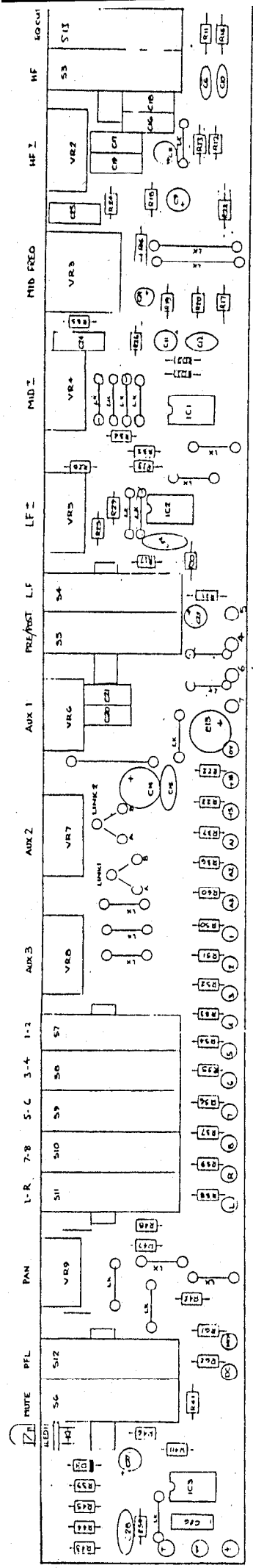
No.	DESCRIPTION	CHKD	APPD.	DATE
153.3	CORRECTIONS AND EQ CUT SWITCH ADDED	G.H.R.	J.M.K.	11-83
153.2	CORRECTIONS			1-83

ALLEN & HEATH SYSTEM 8 MkII

CIRCUIT DIAGRAM: INPUT PCB AG0060 ISS.2.

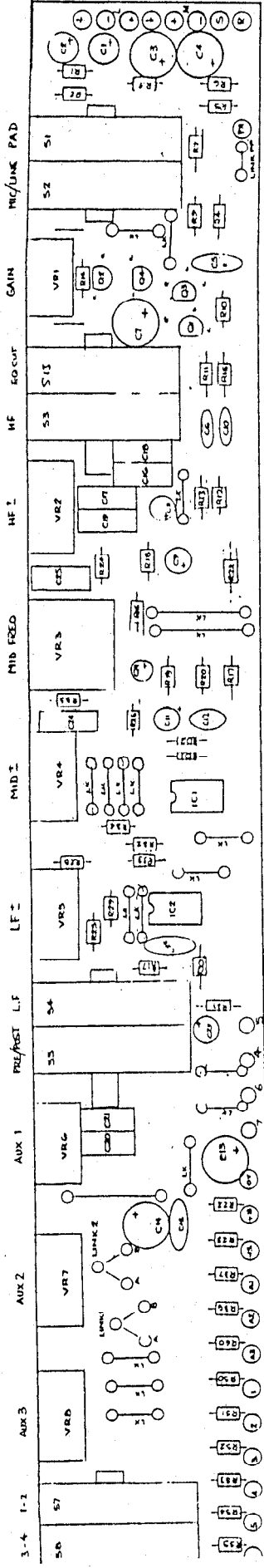
DRAWN	TRACED	CHECKED	APPROVED	DATE	SCALE
R	R	R	R	2.84	-

DRAWING No. 277. Iss.3

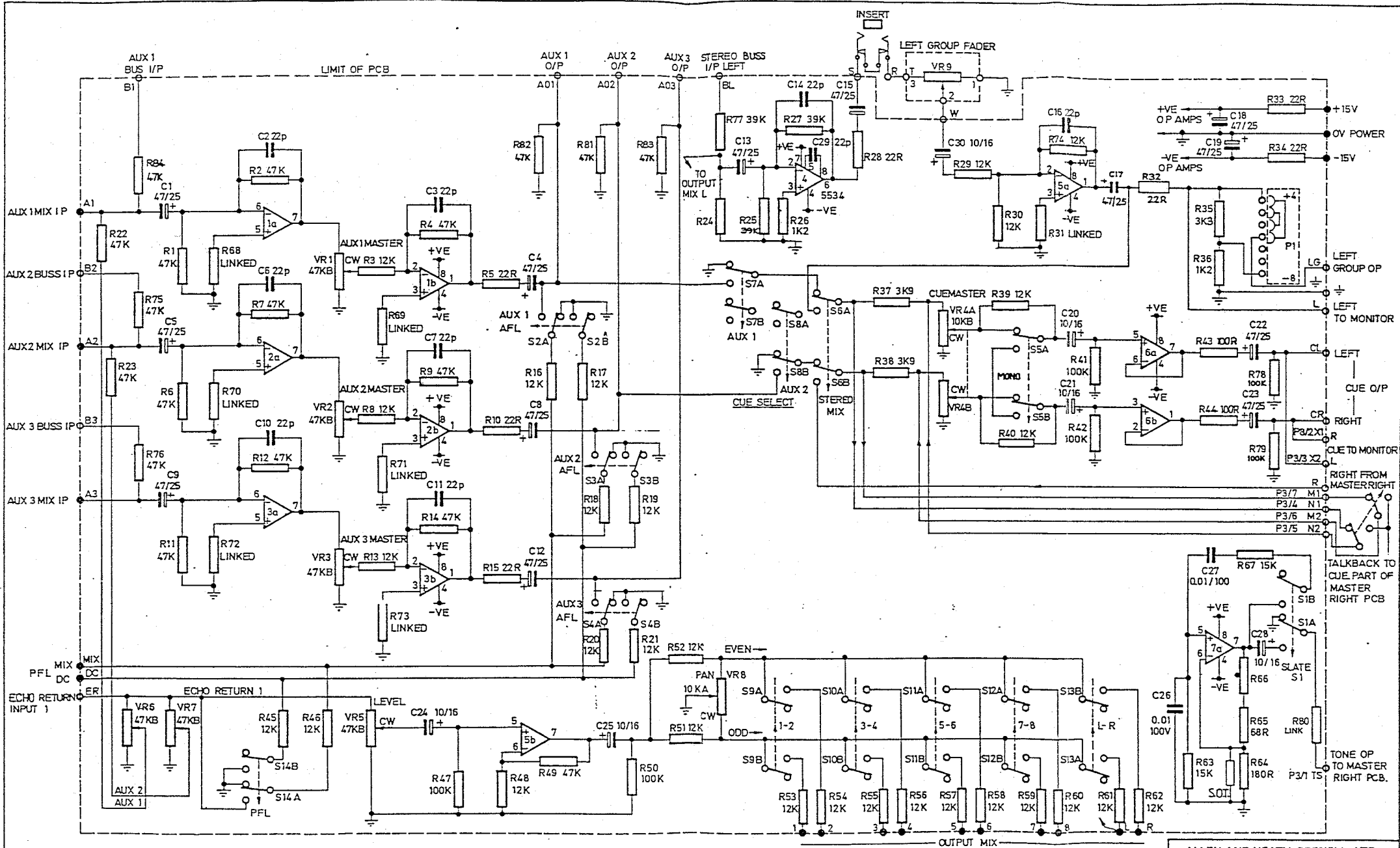


PRE FREQ  
POST FREQ  
DIRECT OUT

PCB ASSEMBLY DIAGRAM: INPUT PCB TYPE AG0060 ISSUE 2 NOV 83 AHS Ltd.



PCB ASSEMBLY DIAGRAM: INPUT PCB TYPE AG0060 ISSUE 2 NOV 85 AHB LTD.



© 1982

○ WIRING PAD

● BUS BAR

Switches shown in OUT position.  
Resistors 1/4W 5% unless specified,  
P1 fitted - 8 position (a manuf'c).

ICs 1,2,3,5,6,7, TL072CP.

IC 4 NE5534.

Capacitors C3,7,11,29 not fitted.  
Resistor R24 not fitted.

WIRE COLOUR CODING

Pin 1 ORANGE }  
Pin 2 BROWN } AUX O/P  
Pin 3 VIOLET }

ECHO RETURN - BLUE  
STEREO BUSS I/P LEFT - VIOLET  
INSERT SEND - BROWN  
RETURN - ORANGE

FADER TOP - ORANGE  
WIPER - BLACK  
LEFT O/P - BLACK  
LEFT TO MON - GREY  
CUE O/P LEFT - BLACK  
RIGHT - RED

ALLEN AND HEATH BRENNELL LTD

NEXT:	R	C	FINISH
	85	31	
DRN	RAG	WDS	DATE 2.84.
CHKD	✓	ISSUE	3
TITLE SYSTEM 8 PCB TYPE MASTER			
LEFT. AG0057 rev 3. MK.II			
SCALE	DRG N° 279 iss. 3		

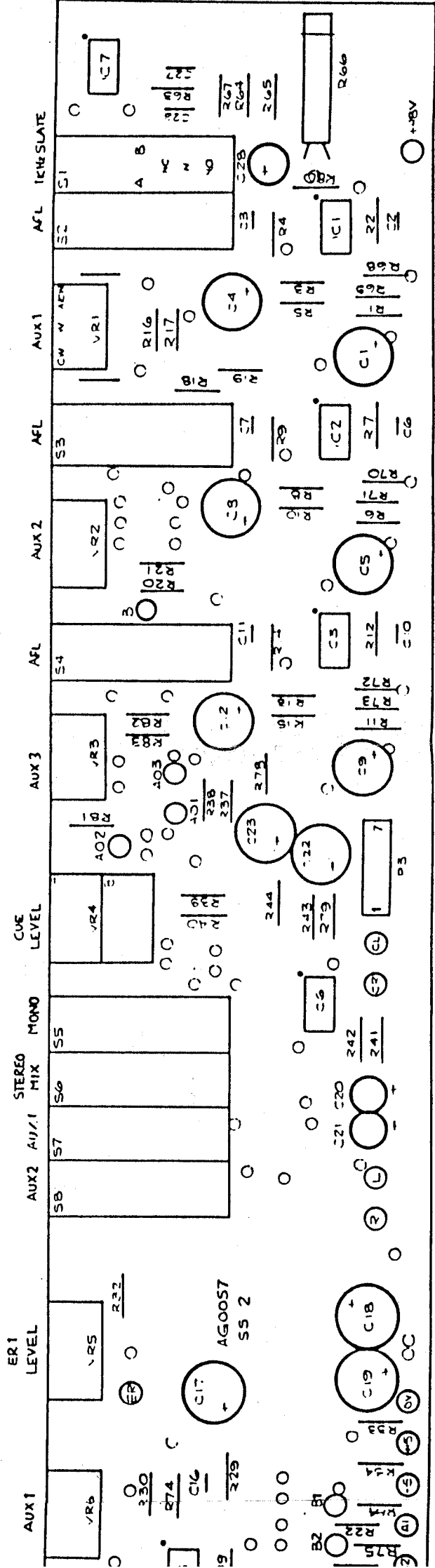
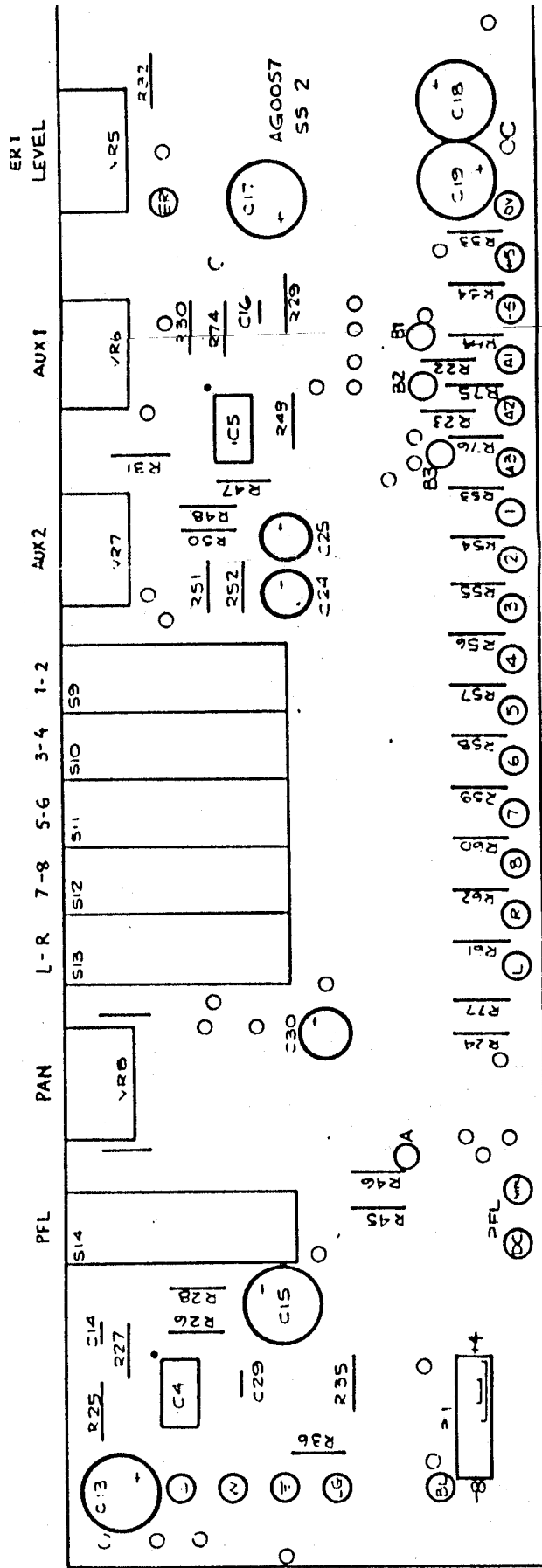
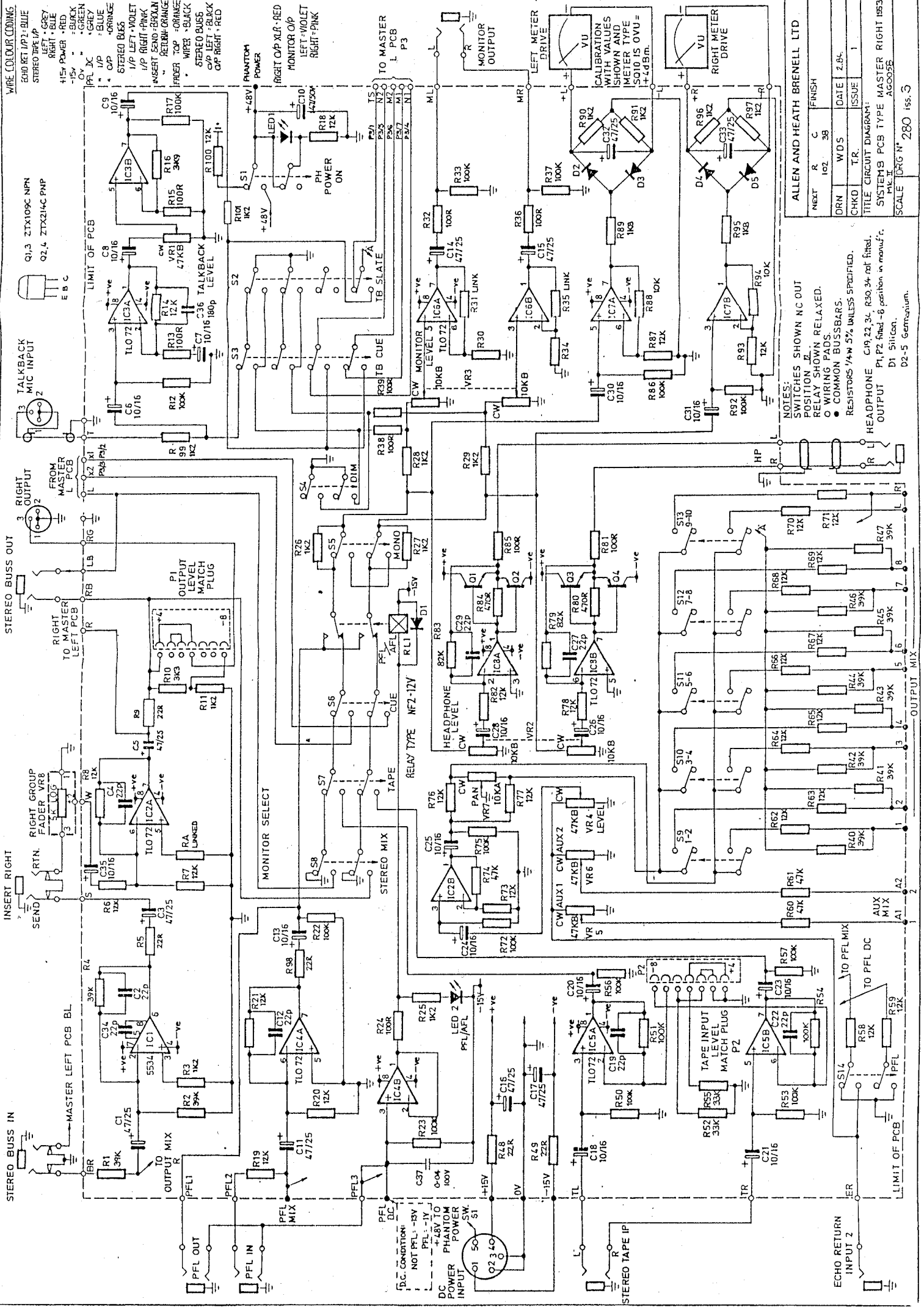


DIAGRAM: MASTER LEFT PCB TYPE AG0057 ISSUE 3 NOV. 1984 AHB LTD.



PCB ASSEMBLY DIAGRAM: MASTER LEFT PCB TYP



WIRE COLOUR CODING  
 ECHO RET IP2: BLUE  
 STEREO TAPE IP: BLUE  
 LEFT: GREY  
 RIGHT: BLUE  
 +15V POWER: RED  
 -15V: BLACK  
 0V: GREEN  
 PFL DC: ORANGE  
 I/P: BLUE  
 O/P: BLUE  
 STEREO BUSES: VIOLET  
 I/P LEFT: VIOLET  
 I/P RIGHT: PINK  
 INSERT SEND: ORANGE  
 RETURN: ORANGE  
 FIBER TOP: ORANGE  
 WIPER: BLACK  
 STEREO BUSS: BLACK  
 O/P LEFT: BLACK  
 O/P RIGHT: RED

Q1,3 ZTX109C NPN  
 Q2,4 ZTX214C PNP  
 E, B, C

RIGHT MIC INPUT  
 TALKBACK  
 TO MASTER  
 FROM MASTER  
 RIGHT OUTPUT  
 LEFT PCB

INSERT RIGHT  
 RIGHT FADER VR8  
 3K LOG  
 TO MASTER  
 LEFT PCB

STEREO BUSS IN  
 MASTER LEFT PCB BL  
 TO OUTPUT MIX  
 PFL1  
 TO PFL DC  
 PFL2

TO MASTER  
 LEFT PCB  
 P3  
 TO MASTER  
 RIGHT PCB  
 P3  
 MONITOR OUTPUT  
 LEFT DRIVE  
 RIGHT DRIVE  
 VU  
 CALIBRATION  
 WITH VALUES  
 SHOWN AND  
 METER TYPE  
 SOLID IS OVU =  
 +4.98m.

ALLEN AND HEATH BRENNELL LTD			
NEXT	R	C	FINISH
102		38	
DRN	W/D.S	DATE	Z.A.A.
CHKO	T.R.	ISSUE	1
TITLE CIRCUIT DIAGRAM:			
SYSTEMS PCB TYPE MASTER RIGHT 1953			
SCALE: DRG N° 280 iss. 3			

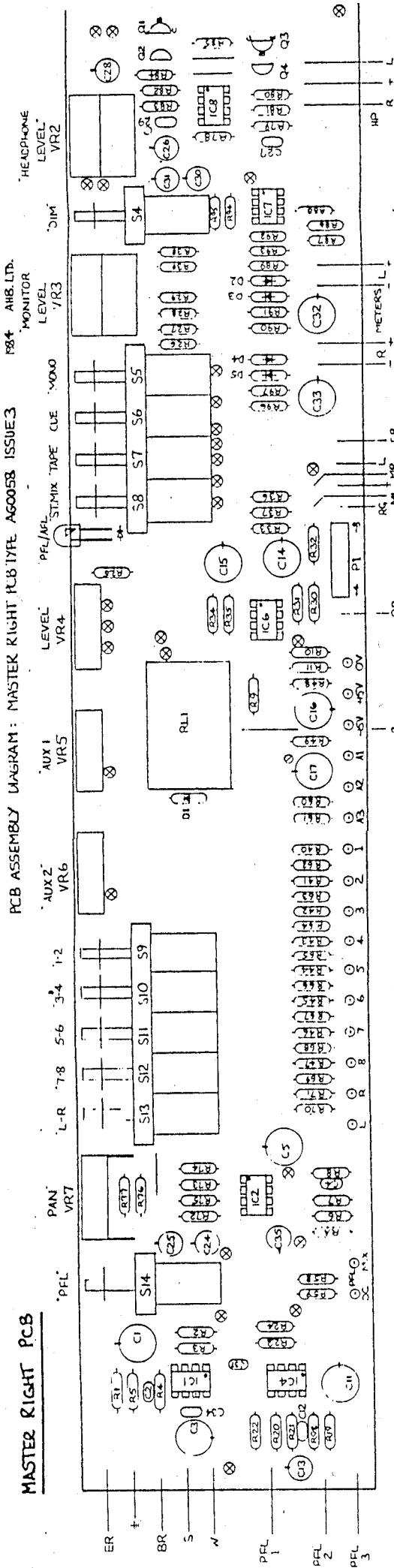
NOTES:  
 SWITCHES SHOWN NC OUT POSITION.  
 RELAY SHOWN RELAXED.  
 O WIRING PADS.  
 ● COMMON BUSSBARS.  
 RESISTORS 1/4W 5% UNLESS SPECIFIED.  
 HEADPHONE C19, 22, 34, R30, 34 not fitted.  
 OUTPUT P1, P2 fitted - 6 position in manufacture.  
 D1 Silicon.  
 D2-5 Germanium.

TO MASTER LEFT PCB  
 P3  
 TO MASTER RIGHT PCB  
 P3  
 MONITOR OUTPUT  
 LEFT DRIVE  
 RIGHT DRIVE  
 VU  
 CALIBRATION WITH VALUES SHOWN AND METER TYPE SOLID IS OVU = +4.98m.

DC CONDITION:  
 NOT PFL -15V  
 PFL -15V  
 +4.8V TO  
 DC POWER INPUT  
 PHANTOM POWER INPUT  
 0-1 50  
 02 3.40  
 03 4.00

STEREO BUSS IN  
 MASTER LEFT PCB BL  
 TO OUTPUT MIX  
 PFL1  
 TO PFL DC  
 PFL2

ECHO RETURN INPUT 2  
 LIMIT OF PCB  
 PFL  
 TO PFL DC  
 R58 12K  
 R59 12K





PCB ASSEMBLY DIAGRAM: MASTER RIGHT RUB TYPE AG005B ISSUE 3

RS4 AHS LTD.

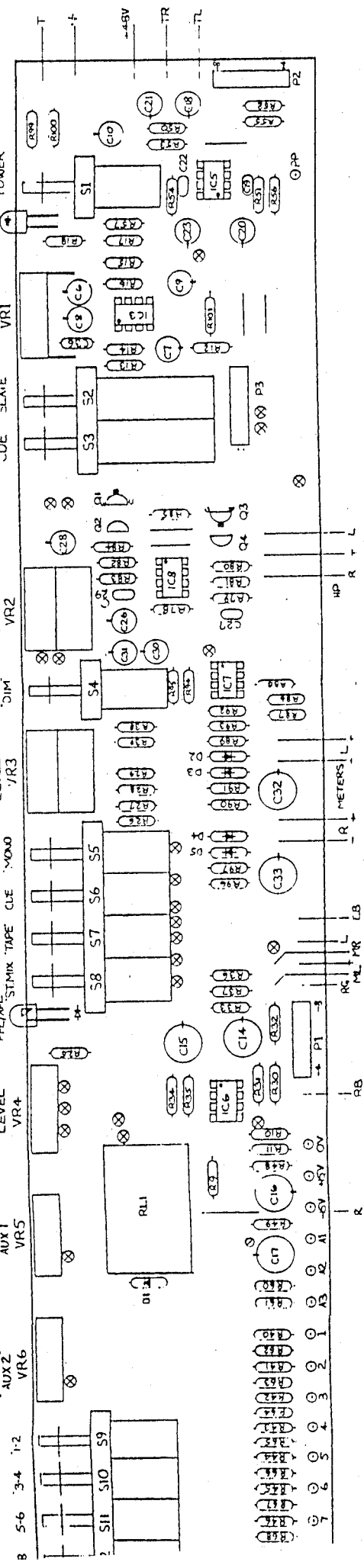
MONITOR LEVEL VR3

HEADPHONE LEVEL VR2

TB CUE SLATE S3

TB LEVEL VRI

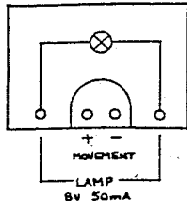
PHANTOM POWER



SYSTEM 8 : METERPOD BUSBAR CONNECTIONS

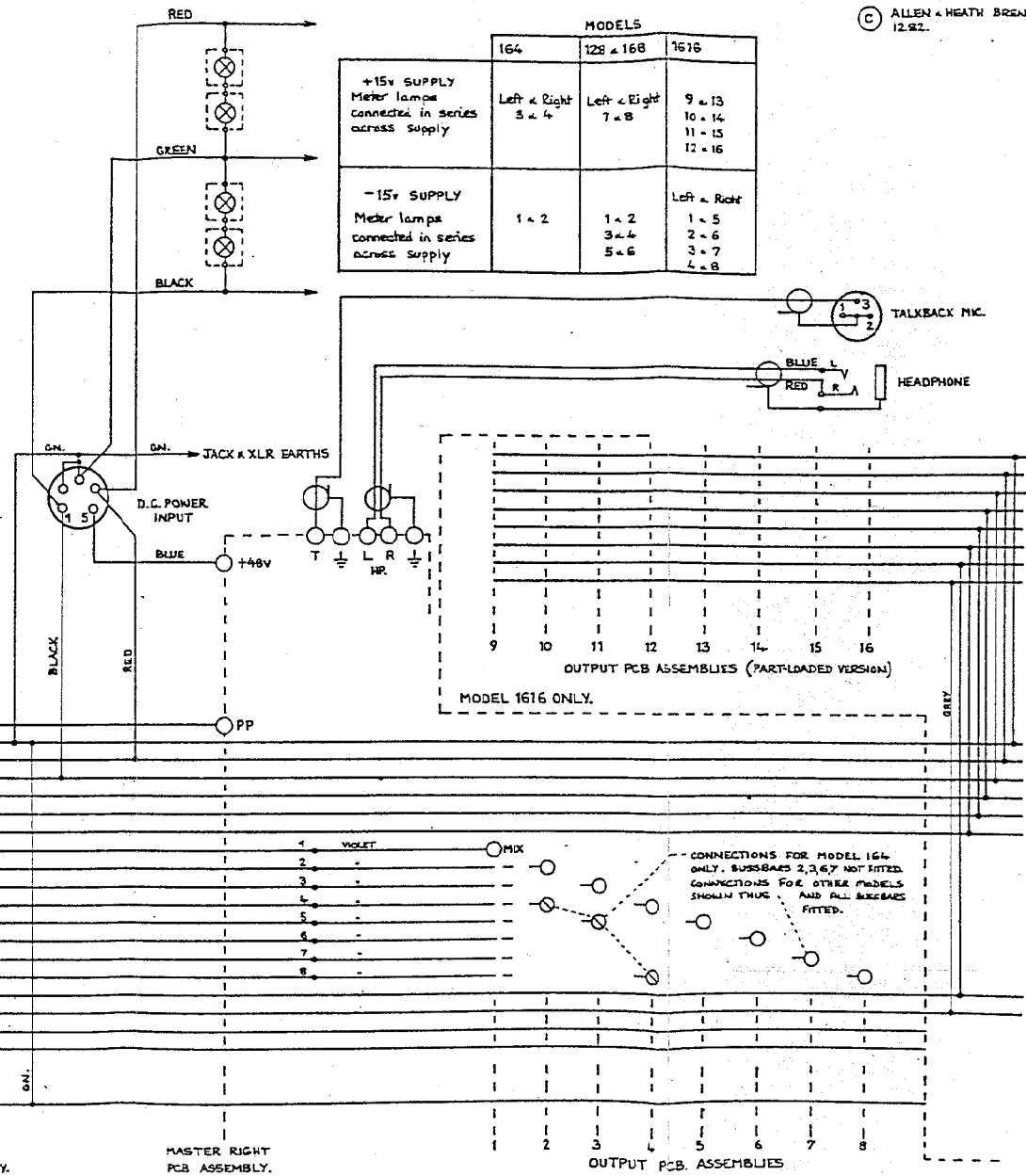
DWG. 282 Iss. 1  
 © ALLEN & HEATH BRENNELL LTD.  
 12.92.

DRG. No. 282 Iss. 1



METER TYPE 5G10

	MODELS		
	164	128 & 168	1616
<b>+15v SUPPLY</b> Meter lamps connected in series across supply	Left & Right 3 & 4	Left & Right 7 & 8	9 & 13 10 & 14 11 & 15 12 & 16
<b>-15v SUPPLY</b> Meter lamps connected in series across supply	1 & 2	1 & 2 3 & 4 5 & 6	Left & Right 1 & 5 2 & 6 3 & 7 4 & 8



COMMON BUSBARS	
FUNCTION	CODE
PHANTOM POWER SUPPLY +48V.	P.
ELECTRONIC SUPPLY 0v.	0v.
"    +15v.	+15v.
"    -15v.	-15v.
AUXILIARY MIX 1	A1.
"    2	A2.
"    3	A3.
OUTPUT MIX 1	1.
"    2	2.
"    3	3.
"    4	4.
"    5	5.
"    6	6.
"    7	7.
"    8	8.
STEREO MIX LEFT	L.
"    RIGHT	R.
PRE-FADE LISTEN MIX	PFL MIX
"    D.C.	PFL D.C.
FADER EARTH	-

INPUT PCB ASSEMBLIES      MASTER LEFT PCB ASSEMBLY      MASTER RIGHT PCB ASSEMBLY      OUTPUT PCB ASSEMBLIES

CONNECTIONS FOR MODEL 1616 ONLY. BUSBARS 2,3,6,7 NOT FITTED. CONNECTIONS FOR OTHER MODELS SHOWN THUS AND ALL BUSES FITTED.

No.	DESCRIPTION	CHKD	APPD	DATE
REVISIONS				

SYSTEM 8 Mk. II  
 ALLEN & HEATH BRENNELL LTD.

© 1982

METERPOD & BUSBAR CONNECTIONS

DRAWN	TRACED	CHECKED	APPROVED	DATE	SCALE
R		R	R	2.84	

DRAWING No. 282 issue 1