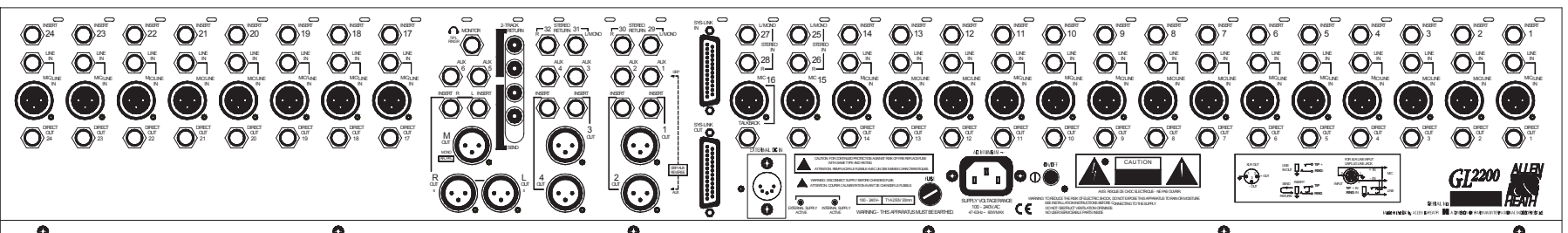
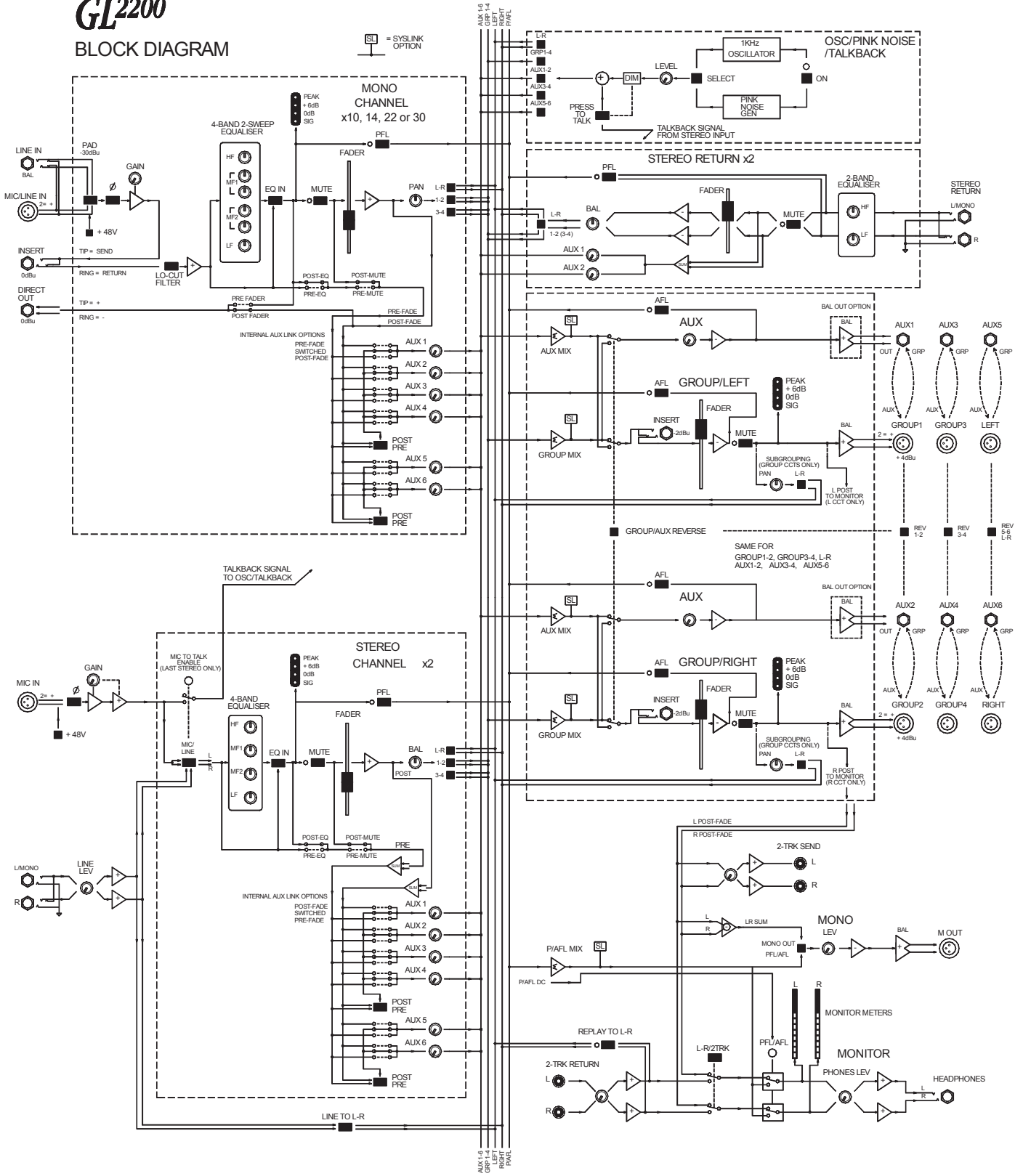


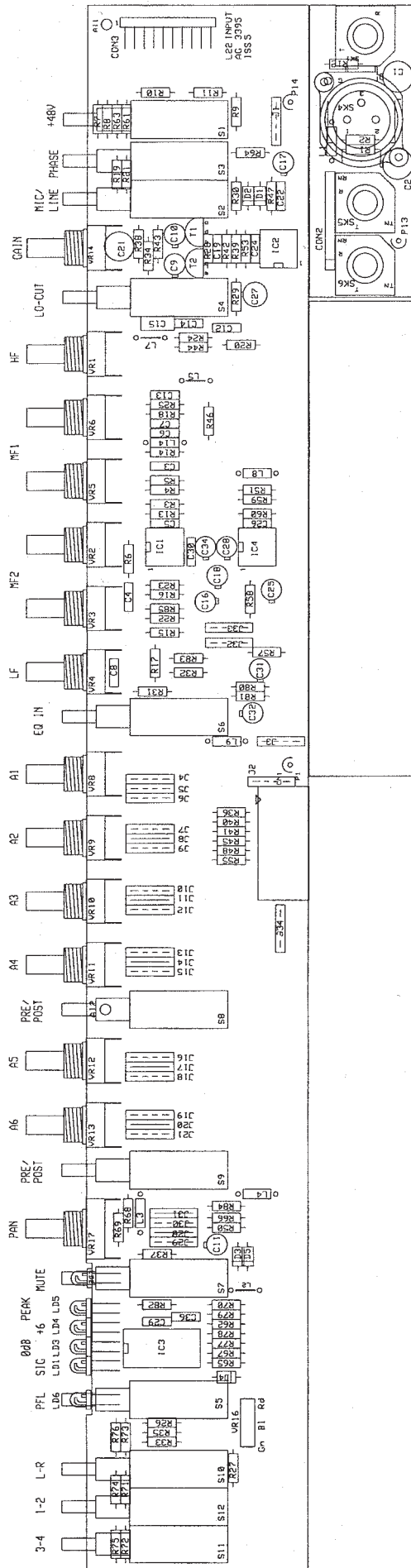
# GL2200 REAR PANEL

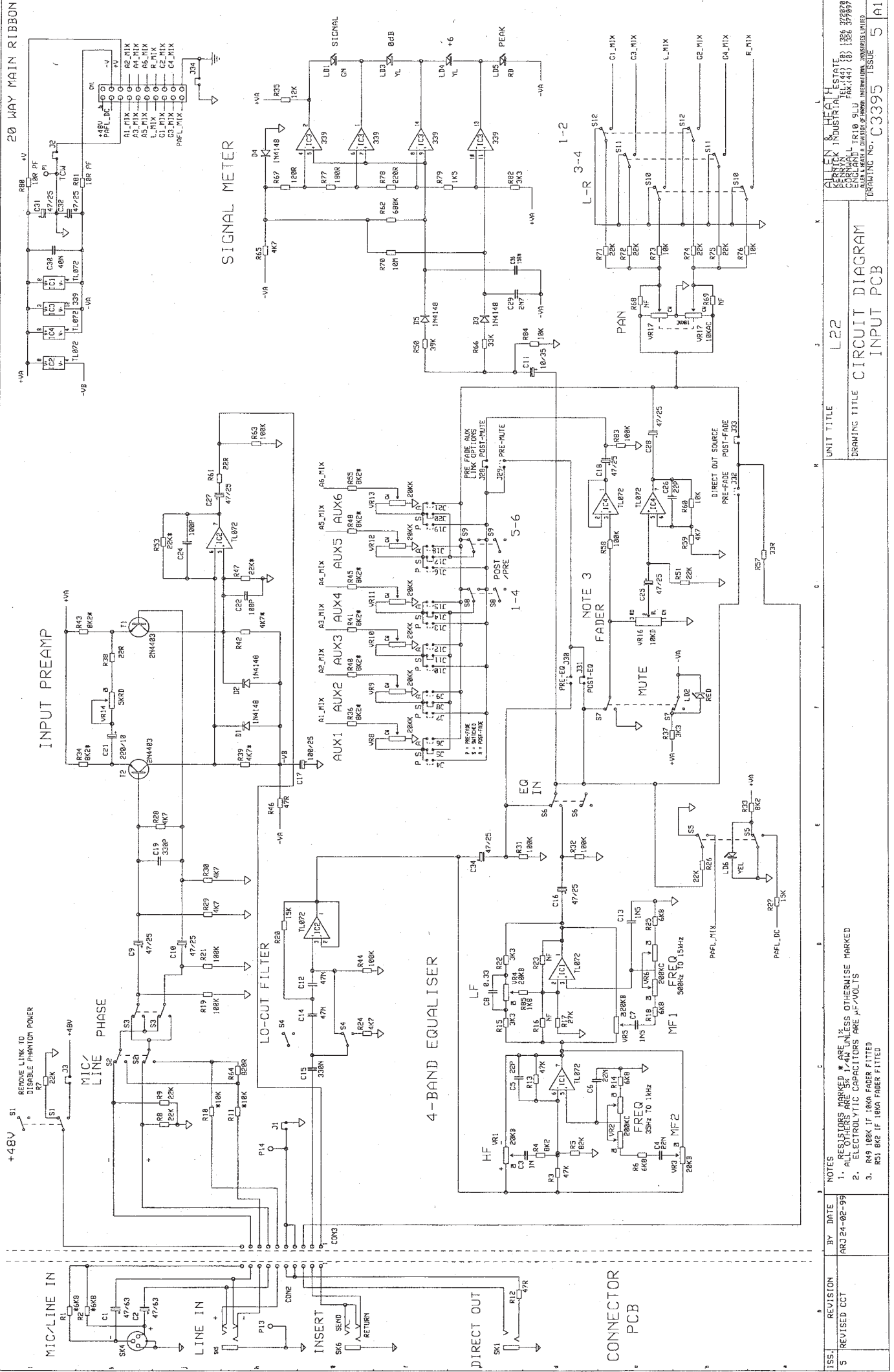


# GL2200

## BLOCK DIAGRAM







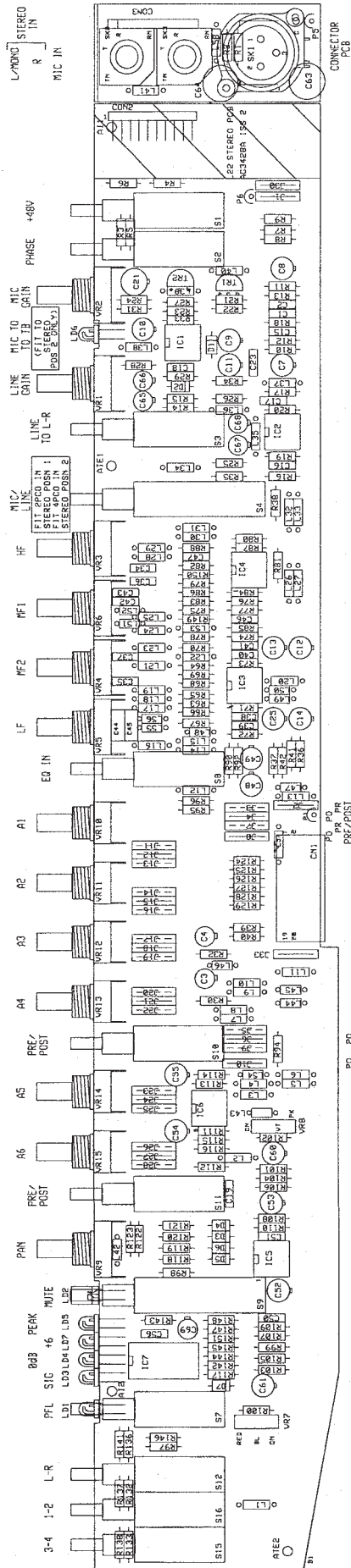
UNIT TITLE  
L22

DRAWING TITLE  
CIRCUIT DIAGRAM  
INPUT PCB

ISS. 5  
REVISION  
AR224-02-99  
REVISED COT

NOTES  
1. RESISTORS MARKED \* ARE UNLESS OTHERWISE MARKED  
2. ELECTROLYTIC CAPACITORS ARE MF/VOLTS  
3. R49 100K IF 100K FADER FITTED  
R51 80K IF 100K FADER FITTED

ALLEN & HEATH LTD  
INDUSTRIAL  
PENRYN  
ENGLAND  
TEL: (44) (0) 1326 378378  
FAX: (44) (0) 1326 378878  
RADIO COMMUNICATIONS INTERNATIONAL, INDUSTRY LIMITED  
DRAWING NO. C3395 ISSUE 5 AI



3-4 1-2 L-R  
PFL SIG +6 MUTE  
PAN

EQ IN  
HF

LINE GAIN TO L-R  
MIC TO MIC STEREO

LINE GAIN +48V PHASE

PRE/POST  
MUTE LINKS

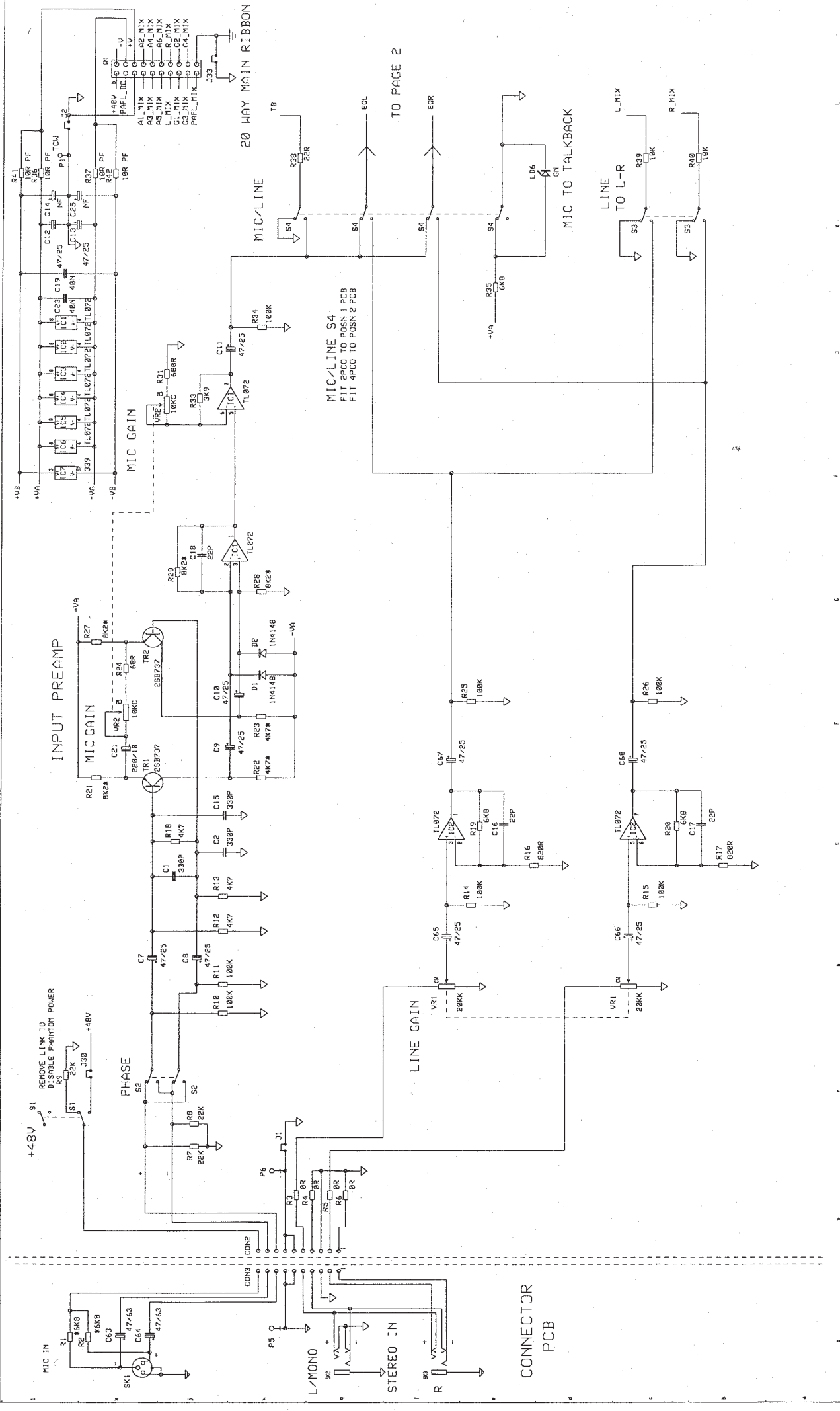
A1  
A2  
A3  
A4  
A5  
A6

RIGHT FADER

PRE/POST  
MUTE LINKS

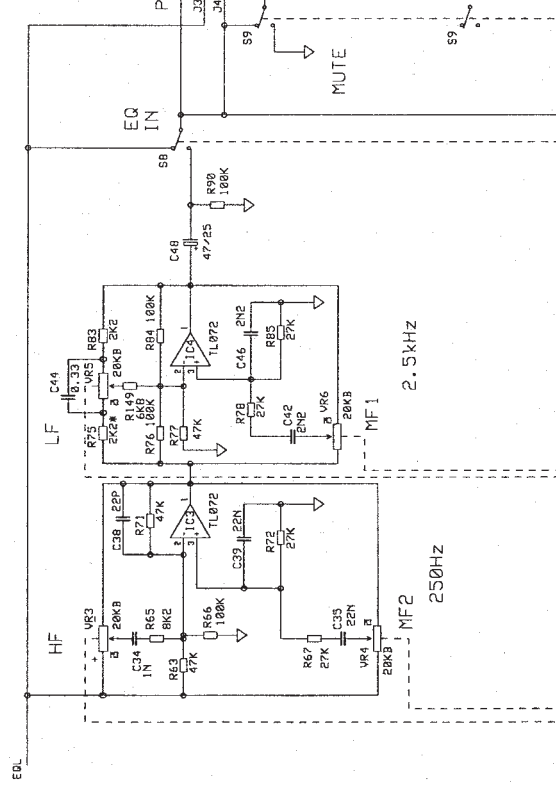
LEFT FADER

CONNECTION PCB

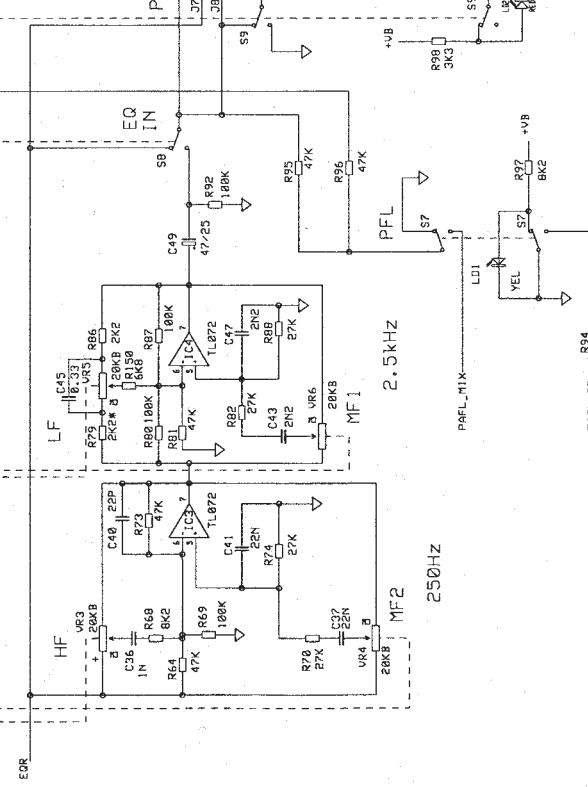


ISS.	REVISION	BY	DATE	NOTES
1	ORIGIN PRODUCTION	DRP	12-8-98	1. RESISTOR VALUES ARE IN ALL UNITS ARE IN UNITS UNLESS OTHERWISE NOTED
2	FABER CORRECTION	ART	05-02-99	2. ELECTRONIC COMPONENTS ARE J-DATE
UNIT TITLE				L22
DRAWING TITLE				CIRCUIT DIAGRAM
				STEREO PCB
PAGE 1 OF 2				ALLEN & HEATH
				TEL: (441) 01 124 7999
				FAX: (441) 01 124 7997
				ALLEN & HEATH, A DIVISION OF ARROW INTERNATIONAL, WINDERSHILL, UNITED KINGDOM
				DRAWING No. C3428
				ISSUE 2

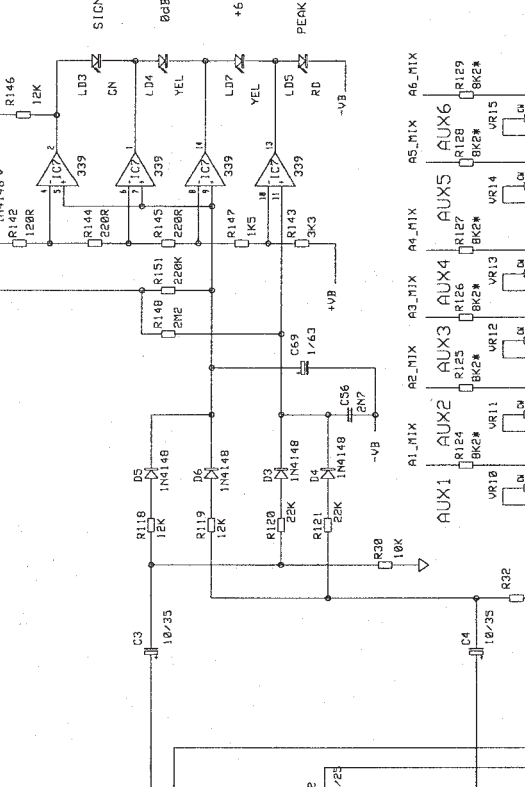
### 4-BAND EQUALISER



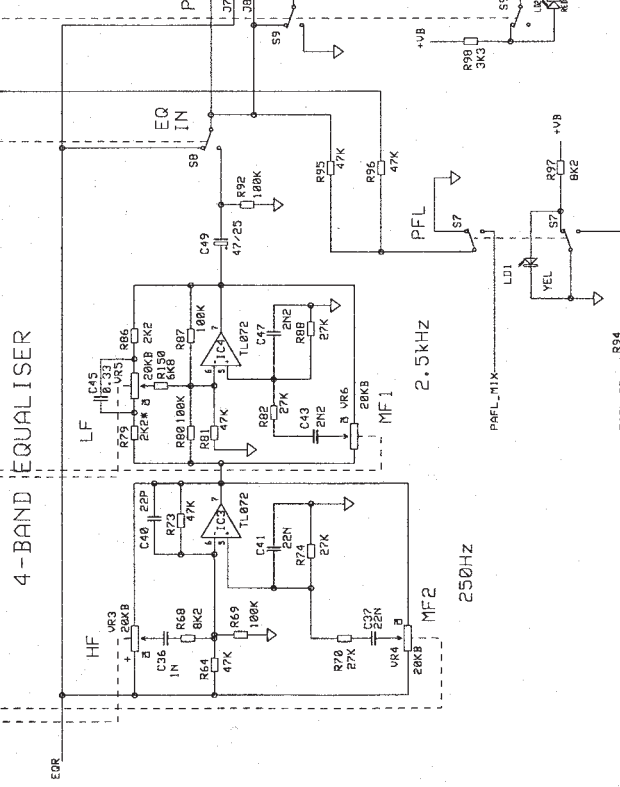
### 4-BAND EQUALISER



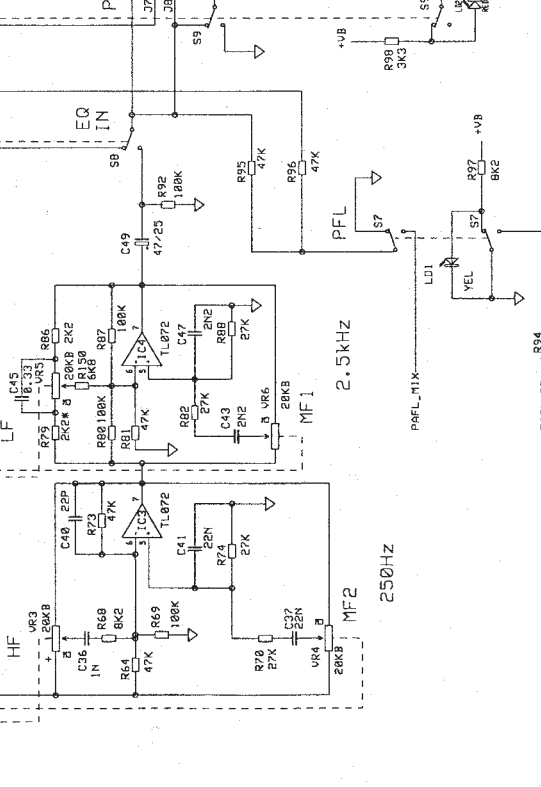
### SIGNAL METER



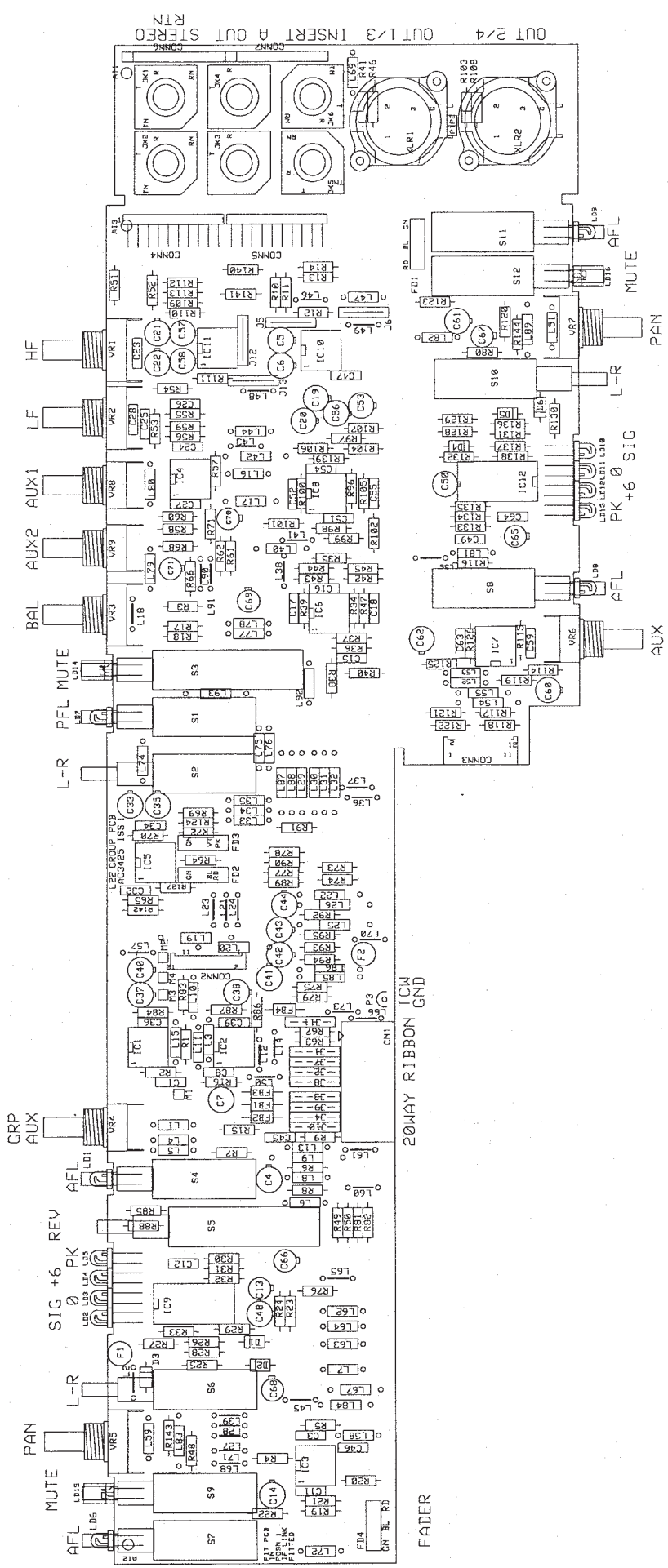
### PRE FADE AUX LINK OPTIONS



### PRE FADE AUX LINK OPTIONS



ISS.	REVISION	BY DATE	NOTES
A	ORIGIN	DRP 12-8-98	1. RESISTOR VALUES ARE IN Ω
1	PRODUCTION	DRP 15-9-98	2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
2	FADER CORRECTION	ART 05-02-99	3. ELECTROLYTIC CAPACITORS ARE µF/OLV
UNIT TITLE			L22
DRAWING TITLE			CIRCUIT DIAGRAM
			STEREO PCB
PAGE 2 OF 2			ISSUE 2
ALLEN & HEATH KENTON INDUSTRIAL ESTATE CENTRAL ENGLAND, T10 0LU ELECTRONIC INDUSTRIES OF AMERICA INTERNATIONAL, INCORPORATED, MILWAUKEE, WISCONSIN, U.S.A. SERIAL NO. C3428			A1



OUT 2/4 OUT 1/3 INSERT A OUT STEREO RTN

20WAY RIBBON TCW

FADER

RE. BL. GR.

RE. BL. GR.

RE. BL. GR.

RE. BL. GR.

RE. BL. GR.

RE. BL. GR.

RE. BL. GR.

RE. BL. GR.

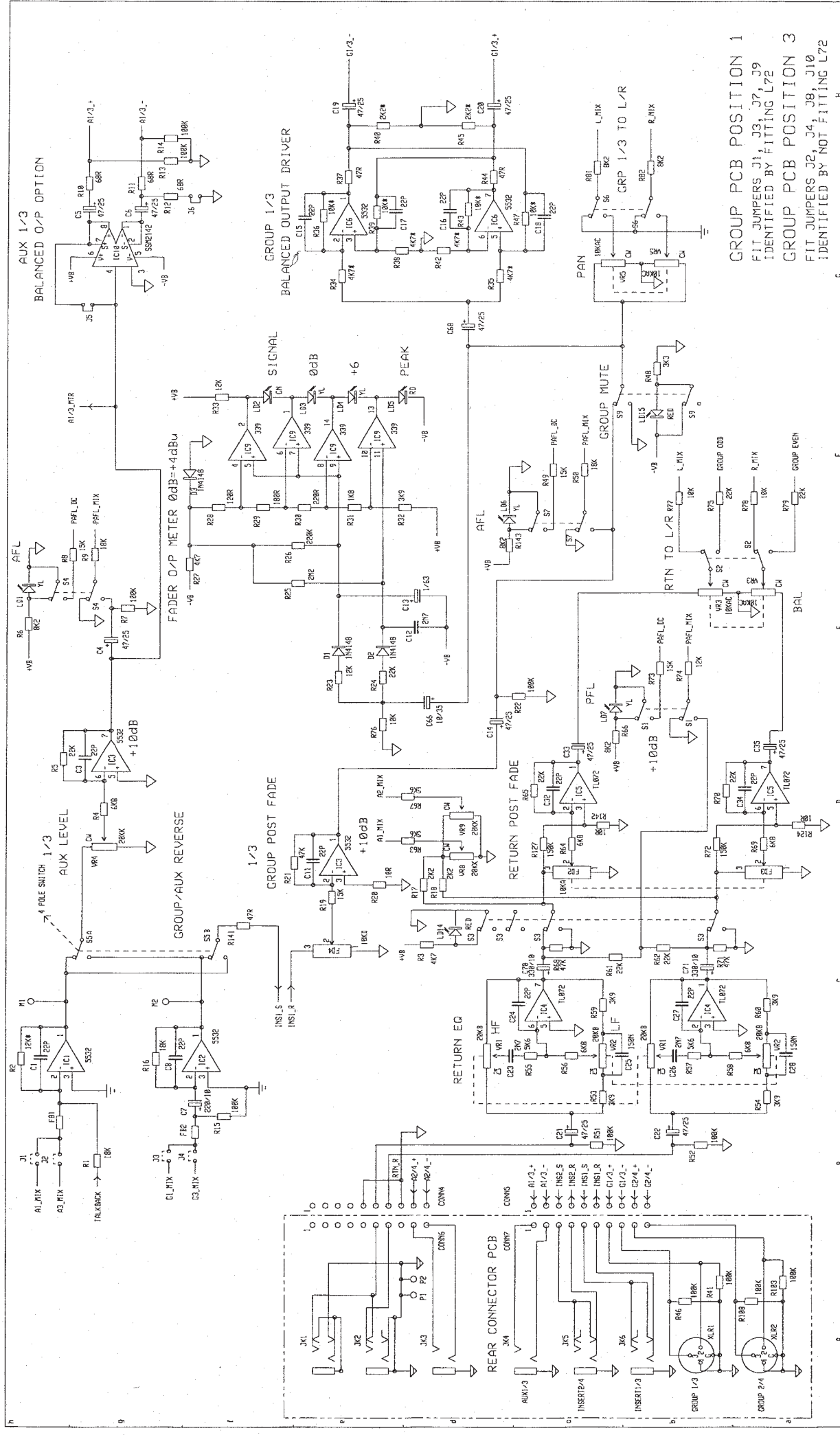
RE. BL. GR.

RE. BL. GR.

RE. BL. GR.

RE. BL. GR.





ISS.	REVISION	BY	DATE	NOTES
1	ORIGIN	DRP	24-8-98	1. RESISTORS MARKED * ARE 1% ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED
2	PRODUCTION	AAT	21-09-98	2. ELECTROLYTIC CAPACITORS ARE 4% VAULTS
	REVISION	DWD	25-02-99	

UNIT TITLE	L22
DRAWING TITLE	CIRCUIT DIAGRAM GROUP PCB
PAGE 1 OF 2	
AC3425	

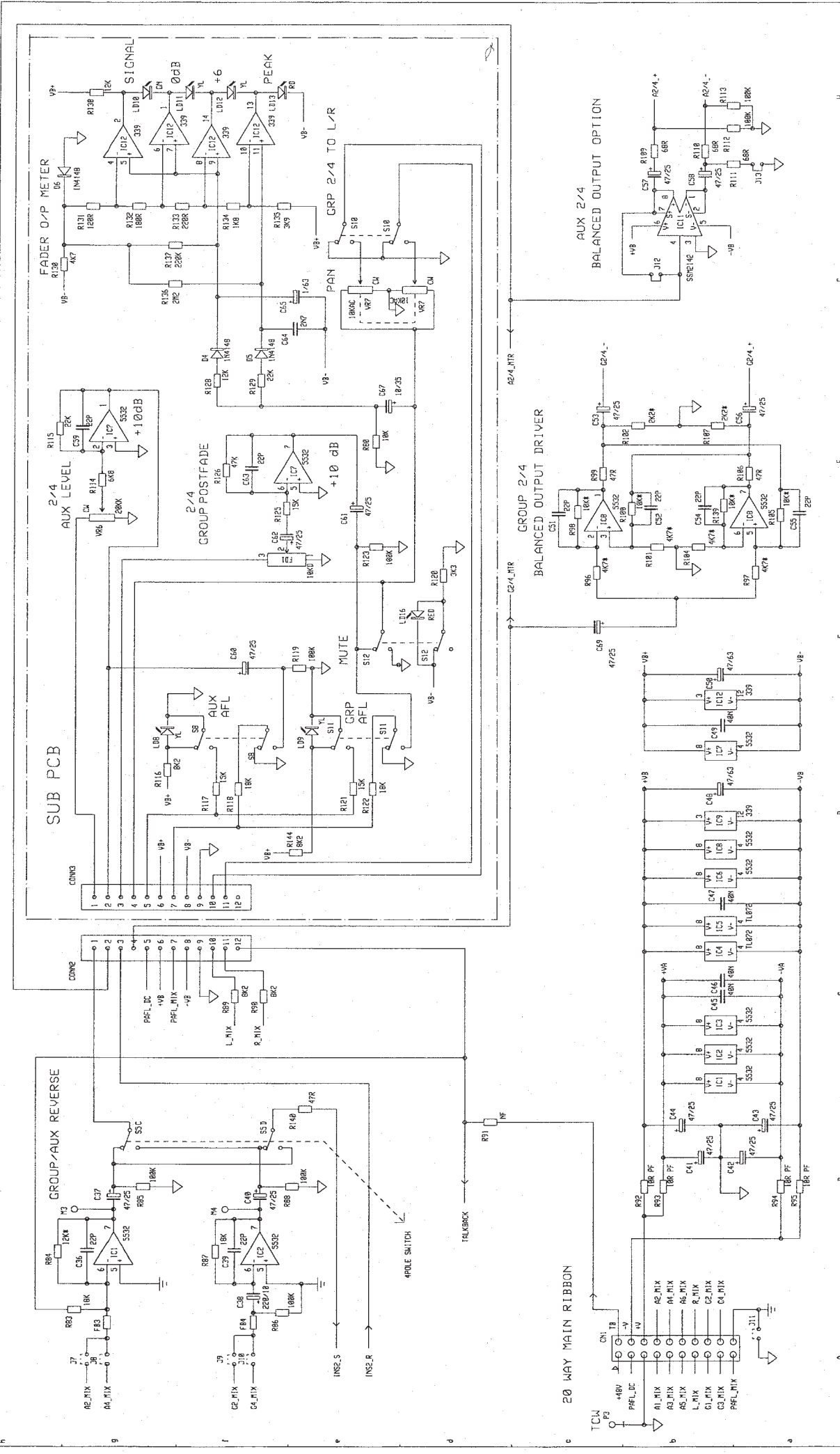
ALLEN & HEATH KERNUX INDUSTRIAL ESTATE PENRYN CORNWALL ENGLAND TR10 9LU	TEL. (44) (0) 1326 372818 FAX. (44) (0) 1326 378977 CORNWALL ENGLAND TR10 9LU
ISSUE	2
DRAWING NO.	C3425

GROUP PCB POSITION 1  
FIT JUMPERS J1, J3, J7, J9  
IDENTIFIED BY FITTING L72

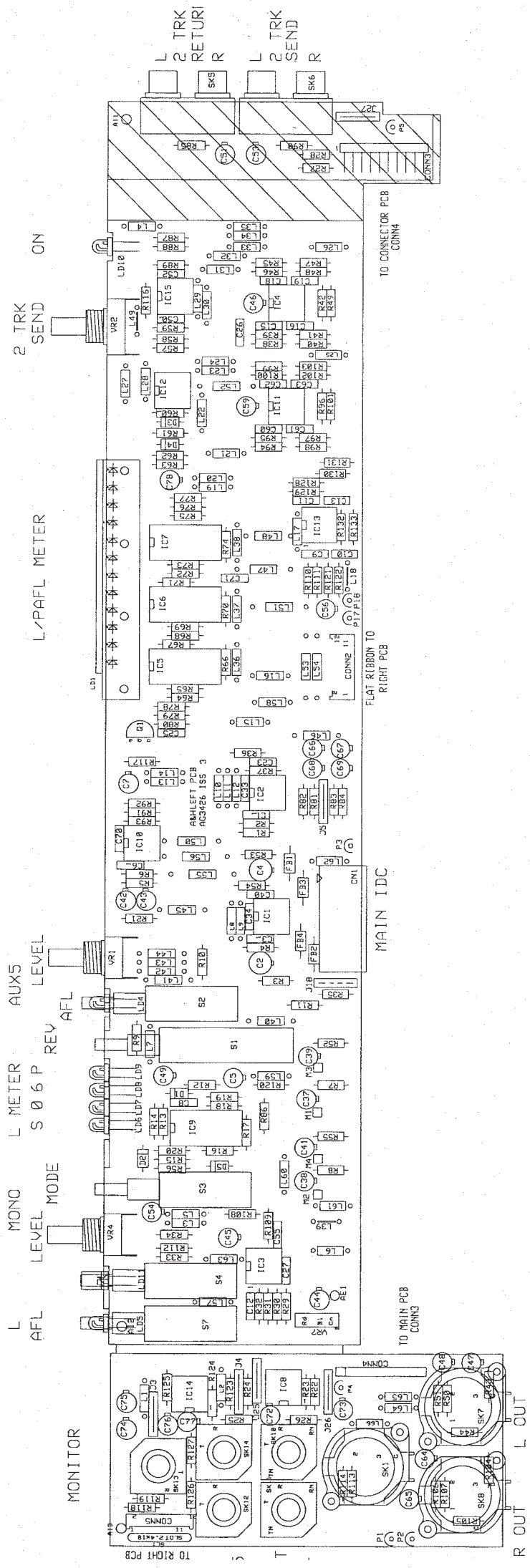
GROUP PCB POSITION 3  
FIT JUMPERS J2, J4, J8, J10  
IDENTIFIED BY NOT FITTING L72

ALLEN & HEATH  
KERNUX INDUSTRIAL ESTATE  
PENRYN  
CORNWALL  
ENGLAND TR10 9LU

TEL. (44) (0) 1326 372818  
FAX. (44) (0) 1326 378977



ISS.	REVISION	BY	DATE	NOTES	UNIT TITLE	DRAWING TITLE	DRIVING No.
1	ORIGIN	DRP	24-8-98	1. RESISTORS MARKED # ARE 1% ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED	L22	CIRCUIT DIAGRAM	AG3425
2	PRODUCTION	AAT	21-09-98	2. ELECTROLYTIC CAPACITORS ARE µF/ALTS	PAGE 2 OF 2	GROUP PCB	AG3425
	REVISION	DWD	25-02-99				



MONITOR

L AFL LEVEL MODE

S 0 6 P REV AFL

AUX5 LEVEL

2 TRK SEND ON

L 2 TRK RETURN

L 2 TRK SEND

TO MAIN PCB CONNS

TO CONNECTOR PCB CONNA

FLAT RIBBON TO RIGHT PCB

MAIN IDC

R OUT

L OUT

IC1 IC2 IC3 IC4 IC5 IC6 IC7 IC8 IC9 IC10 IC11 IC12 IC13 IC14 IC15 IC16 IC17 IC18

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37 R38 R39 R40 R41 R42 R43 R44 R45 R46 R47 R48 R49 R50 R51 R52 R53 R54 R55 R56 R57 R58 R59 R60 R61 R62 R63 R64 R65 R66 R67 R68 R69 R70 R71 R72 R73 R74 R75 R76 R77 R78 R79 R80 R81 R82 R83 R84 R85 R86 R87 R88 R89 R90 R91 R92 R93 R94 R95 R96 R97 R98 R99 R100

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100

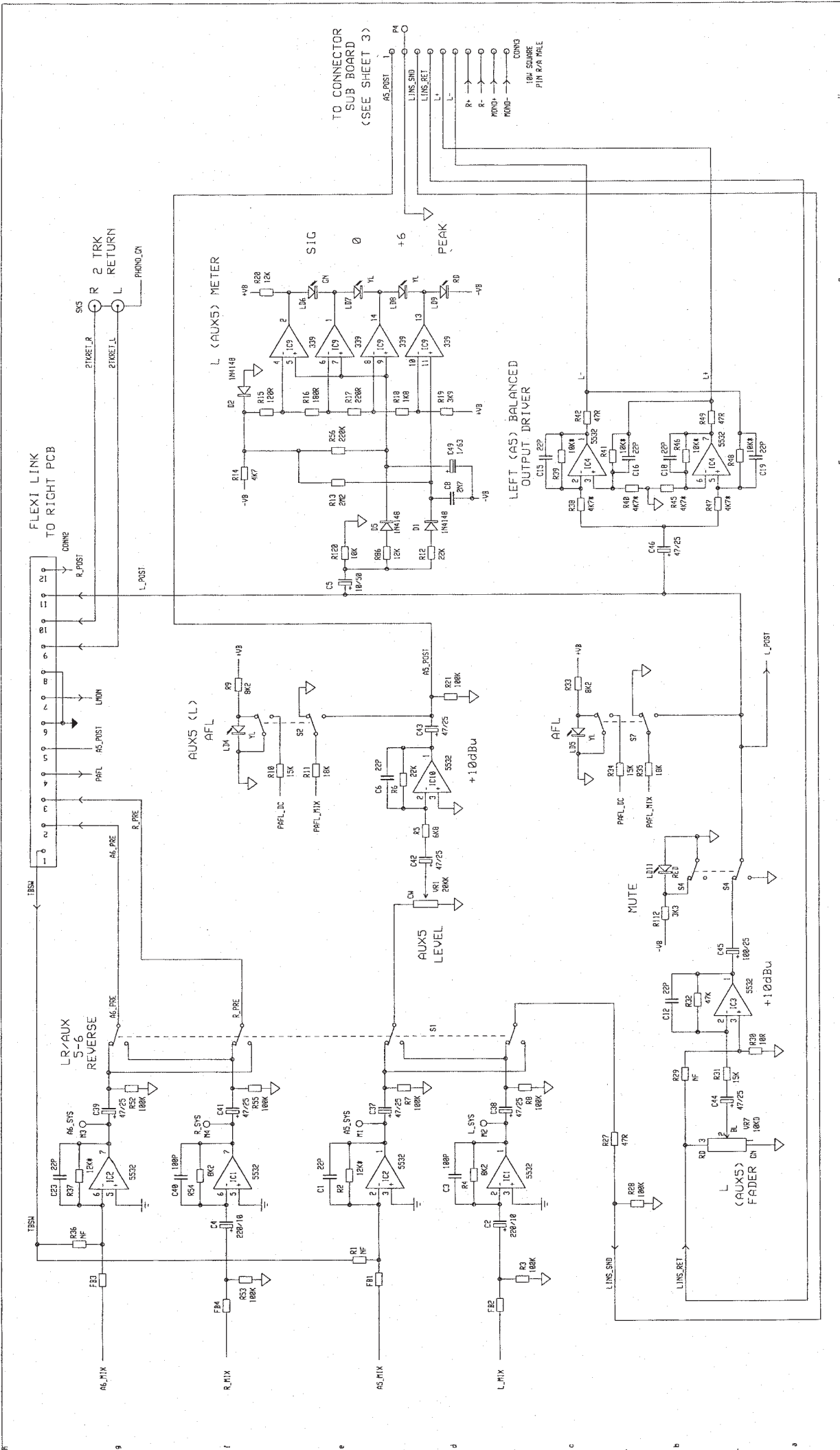
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40 L41 L42 L43 L44 L45 L46 L47 L48 L49 L50 L51 L52 L53 L54 L55 L56 L57 L58 L59 L60 L61 L62 L63 L64 L65 L66 L67 L68 L69 L70 L71 L72 L73 L74 L75 L76 L77 L78 L79 L80 L81 L82 L83 L84 L85 L86 L87 L88 L89 L90 L91 L92 L93 L94 L95 L96 L97 L98 L99 L100

VR1 VR2 VR3 VR4 VR5

S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31 S32 S33 S34 S35 S36 S37 S38 S39 S40 S41 S42 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56 S57 S58 S59 S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100

J1 J2 J3 J4 J5 J6 J7 J8 J9 J10 J11 J12 J13 J14 J15 J16 J17 J18 J19 J20 J21 J22 J23 J24 J25 J26 J27 J28 J29 J30 J31 J32 J33 J34 J35 J36 J37 J38 J39 J40 J41 J42 J43 J44 J45 J46 J47 J48 J49 J50 J51 J52 J53 J54 J55 J56 J57 J58 J59 J60 J61 J62 J63 J64 J65 J66 J67 J68 J69 J70 J71 J72 J73 J74 J75 J76 J77 J78 J79 J80 J81 J82 J83 J84 J85 J86 J87 J88 J89 J90 J91 J92 J93 J94 J95 J96 J97 J98 J99 J100

U1 U2 U3 U4 U5 U6 U7 U8 U9 U10 U11 U12 U13 U14 U15 U16 U17 U18 U19 U20 U21 U22 U23 U24 U25 U26 U27 U28 U29 U30 U31 U32 U33 U34 U35 U36 U37 U38 U39 U40 U41 U42 U43 U44 U45 U46 U47 U48 U49 U50 U51 U52 U53 U54 U55 U56 U57 U58 U59 U60 U61 U62 U63 U64 U65 U66 U67 U68 U69 U70 U71 U72 U73 U74 U75 U76 U77 U78 U79 U80 U81 U82 U83 U84 U85 U86 U87 U88 U89 U90 U91 U92 U93 U94 U95 U96 U97 U98 U99 U100



ISS.	REVISION	BY	DATE	NOTES
A	ORIGIN PRODUCTION	DRP	27-7-98	1. RESISTORS MARKED 'A' ARE 1% ALL OTHERS ARE 5% UNLESS OTHERWISE MARKED
1	CONN GND MOD	DRP	9-10-98	2. ELECTROLYTIC CAPACITORS ARE 'A' MULTS
2		AA	26-01-99	

UNIT TITLE	ISSUE
L22	2

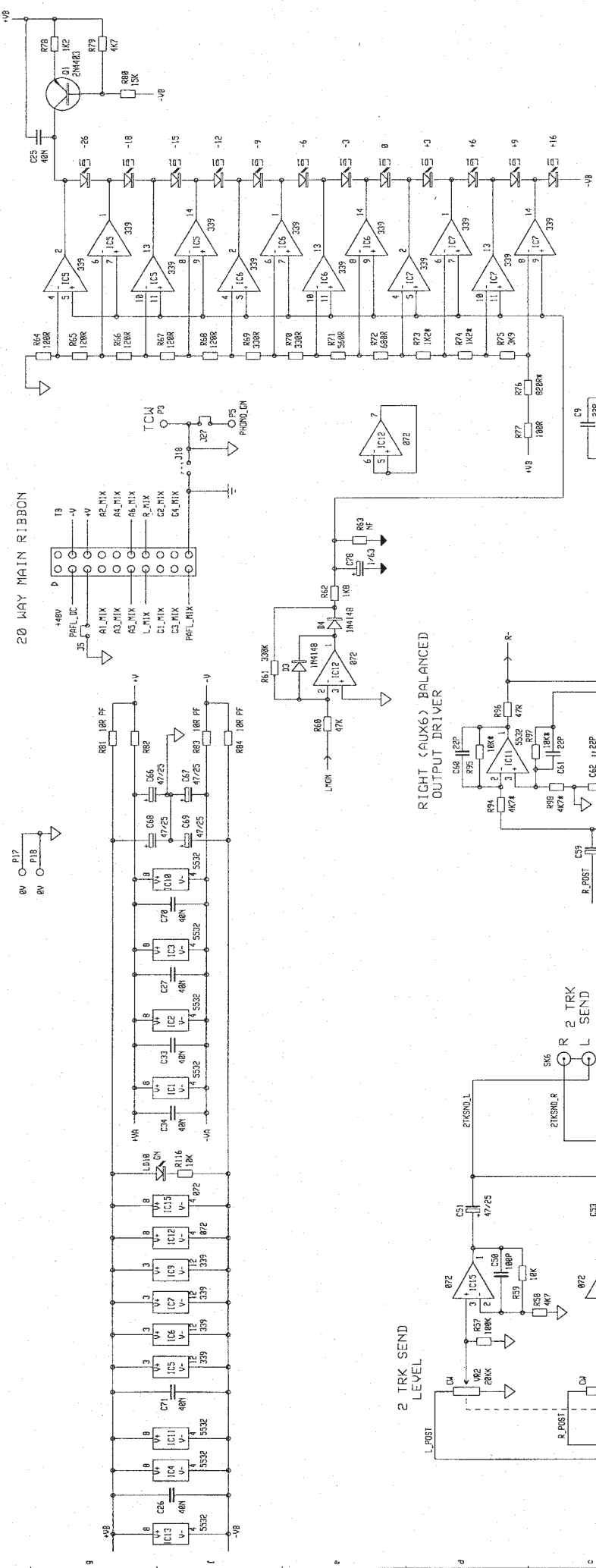
  

SHEET 1 OF 3	
CIRCUIT DIAGRAM	ISSUE
LEFT PCB	2

DRAWING No. C3426	
ALLEN & HEATH	ALLEN & HEATH
PERKINS INDUSTRIAL ESTATE	PERKINS INDUSTRIAL ESTATE
PERKINS	PERKINS
CORNWALL	CORNWALL
ENGLAND TR10 8LU	ENGLAND TR10 8LU
ALLEN & HEATH A DIVISION OF HARMON INTERNATIONAL INDUSTRIES LIMITED	ALLEN & HEATH A DIVISION OF HARMON INTERNATIONAL INDUSTRIES LIMITED
TEL. (44) (0) 1366 378070	TEL. (44) (0) 1366 378070
FAX. (44) (0) 1366 378079	FAX. (44) (0) 1366 378079

20 WAY MAIN RIBBON



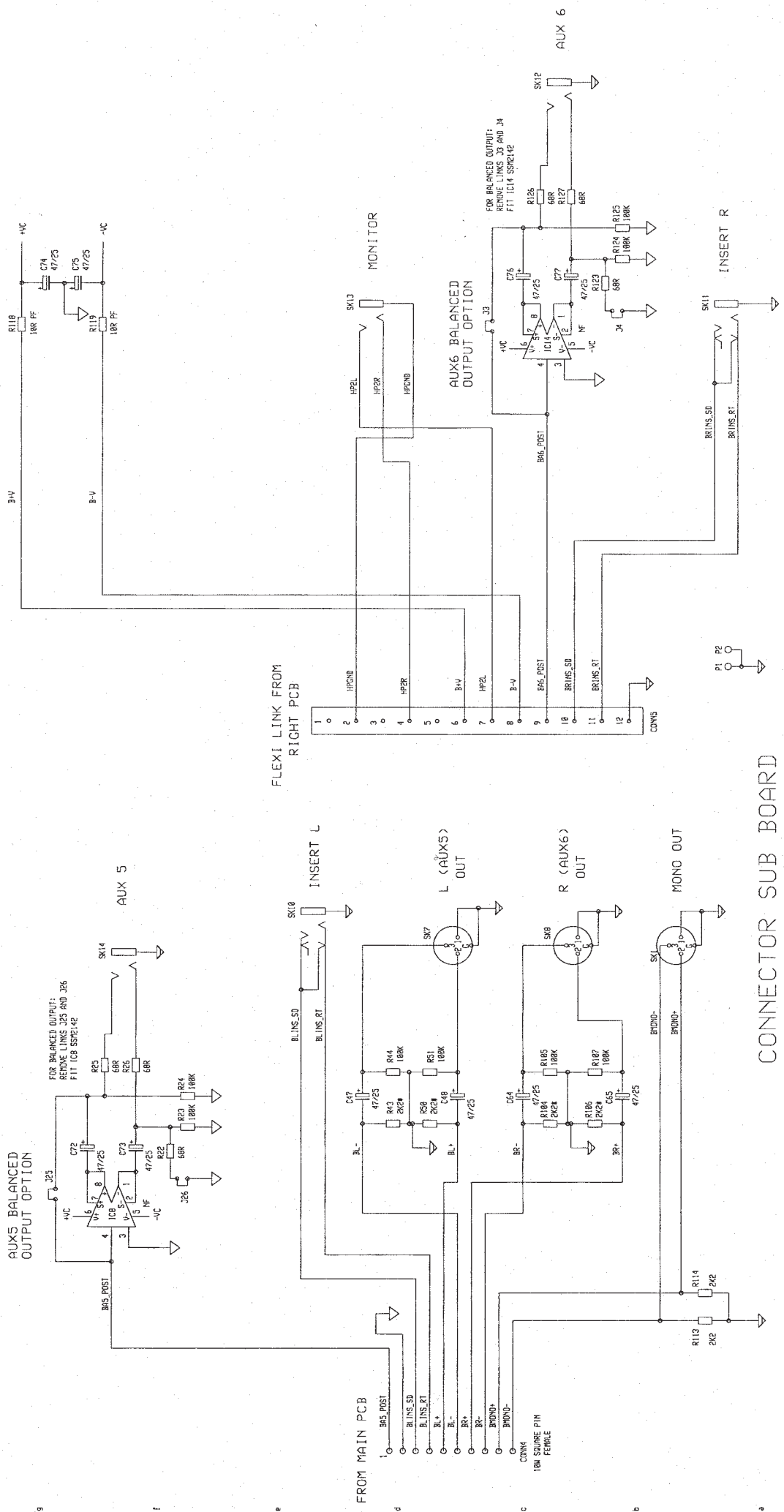
ALLEN & HEATH  
 KERRICK INDUSTRIAL ESTATE  
 PENRYN  
 CORNWALL  
 ENGLAND TR18 9LU  
 ALLEN & HEATH A DIVISION OF HARPOON INTERNATIONAL INDUSTRIES LIMITED  
 TEL. (44) (3) 1236 372078  
 FAX. (44) (3) 1236 377897

L22  
 SHEET 2 OF 3  
 CIRCUIT DIAGRAM  
 LEFT PCB

UNIT TITLE  
 DRAWING TITLE

NOTES  
 1. RESISTORS MARKED \* ARE 1%  
 ALL OTHERS ARE 5% UNLESS OTHERWISE MARKED  
 2. ELECTROLYTIC CAPACITORS ARE µF/VOLTS

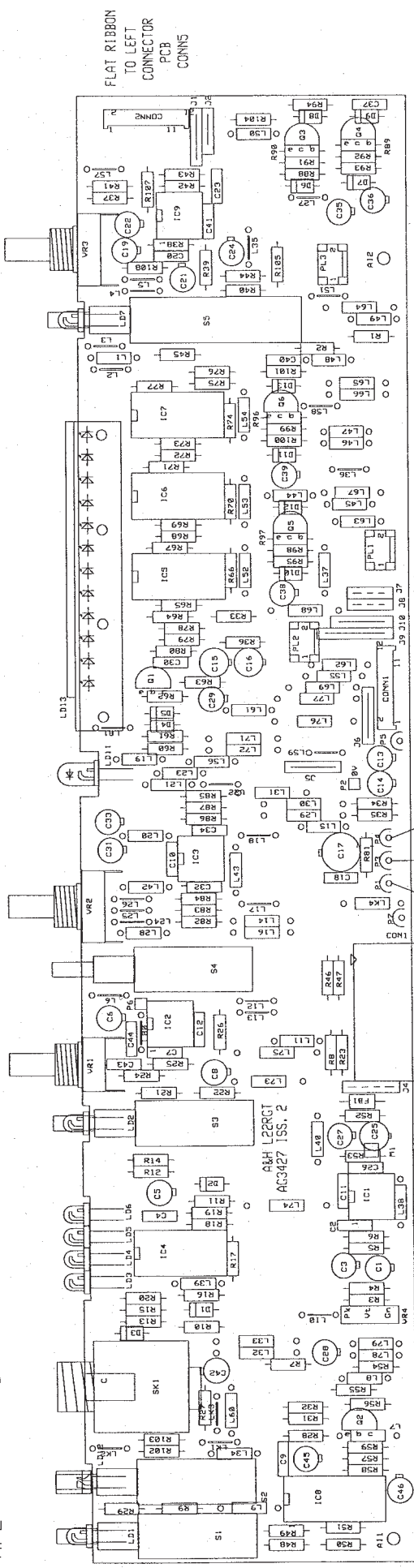
ISS.	REVISION	BY	DATE
A	ORIGIN	DRP	27-7-98
1	PRODUCTION	DRP	9-10-98
2	CONN GND MOD	AAT	26-01-99



CONNECTOR SUB BOARD

ISS.	REVISION	BY	DATE	NOTES	UNIT TITLE	DRAWING TITLE	DRIVING NO.
A	ORIGIN	DRP	27-7-98	1. RESISTORS MARKED * ARE 1% ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED	L22	SHEET 3 OF 3	ALLEN & HEATH PERVEX INDUSTRIAL ESTABLISHMENT CORNWALL ENGLAND TR18 9LU
1	PRODUCTION	DRP	9-10-98	2. ELECTROLYTIC CAPACITORS ARE µF/VOLTS			ALLEN & HEATH, A DIVISION OF HARROCK INTERNATIONAL, INDUSTRIES LIMITED.
2	CONN GND MOD	AAT	26-01-99				ISSUE 2

R AFL HPHONE S 0 6 P R METER AUX6 LR/ HP 2 TRK TO LR LEVEL R/PAFL METER PAFL



FLAT RIBBON TO LEFT PCB CONNS  
 MAIN IDC RA BL YEL  
 FLAT RIBBON TO LEFT PCB CONNS

FLAT RIBBON TO LEFT CONNECTOR PCB CONNS

2 TRK

TO LR LEVEL

R/PAFL METER

PAFL

AUX6 LR/ HP

2TK LEVEL

R METER

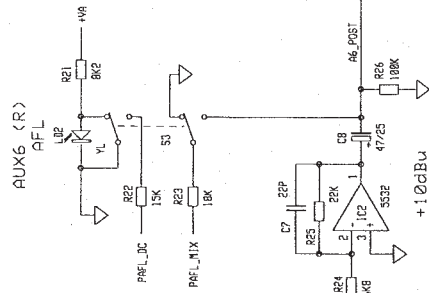
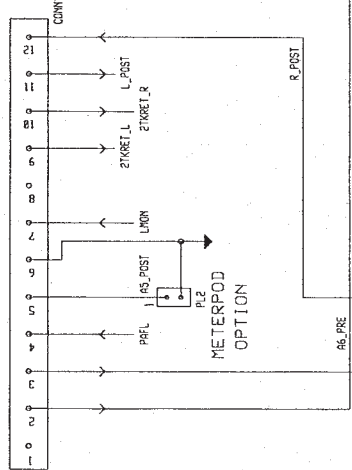
S 0 6 P

AFL HPHONE

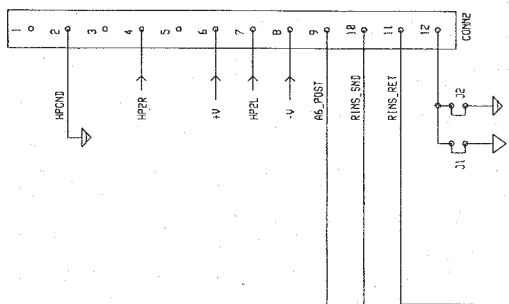
TO LR LEVEL



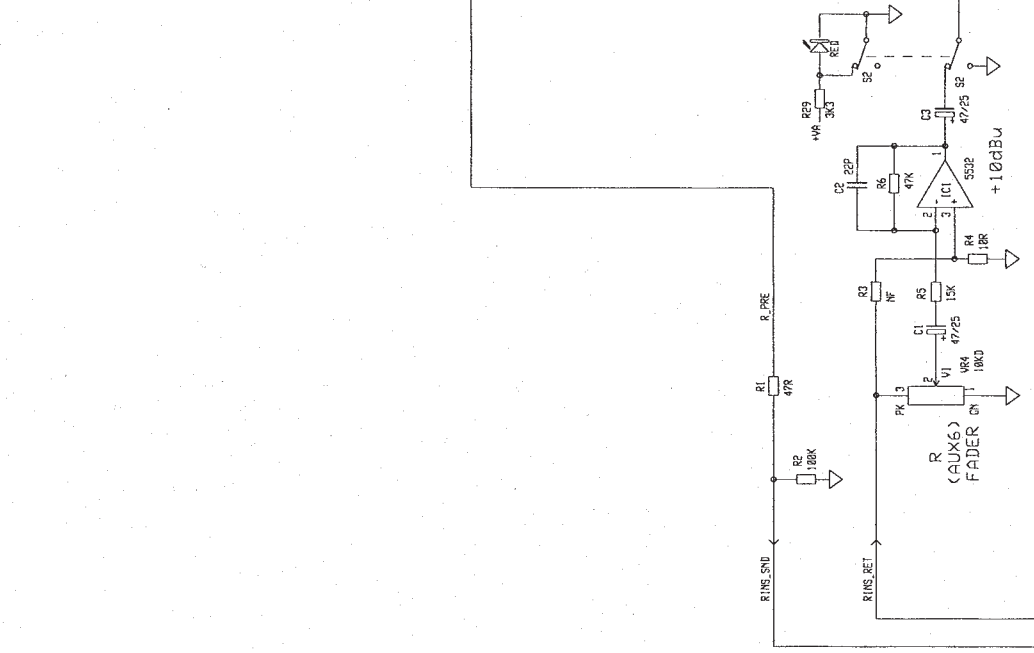
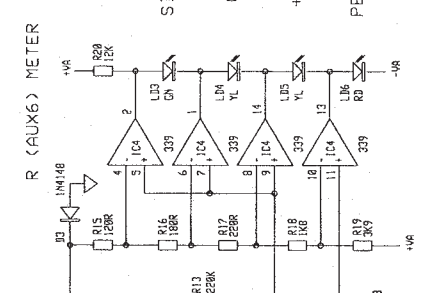
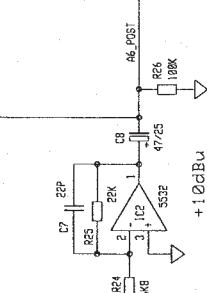
FLEXI LINK TO LEFT PCB



FLEXI LINK TO LEFT CONNECTOR PCB

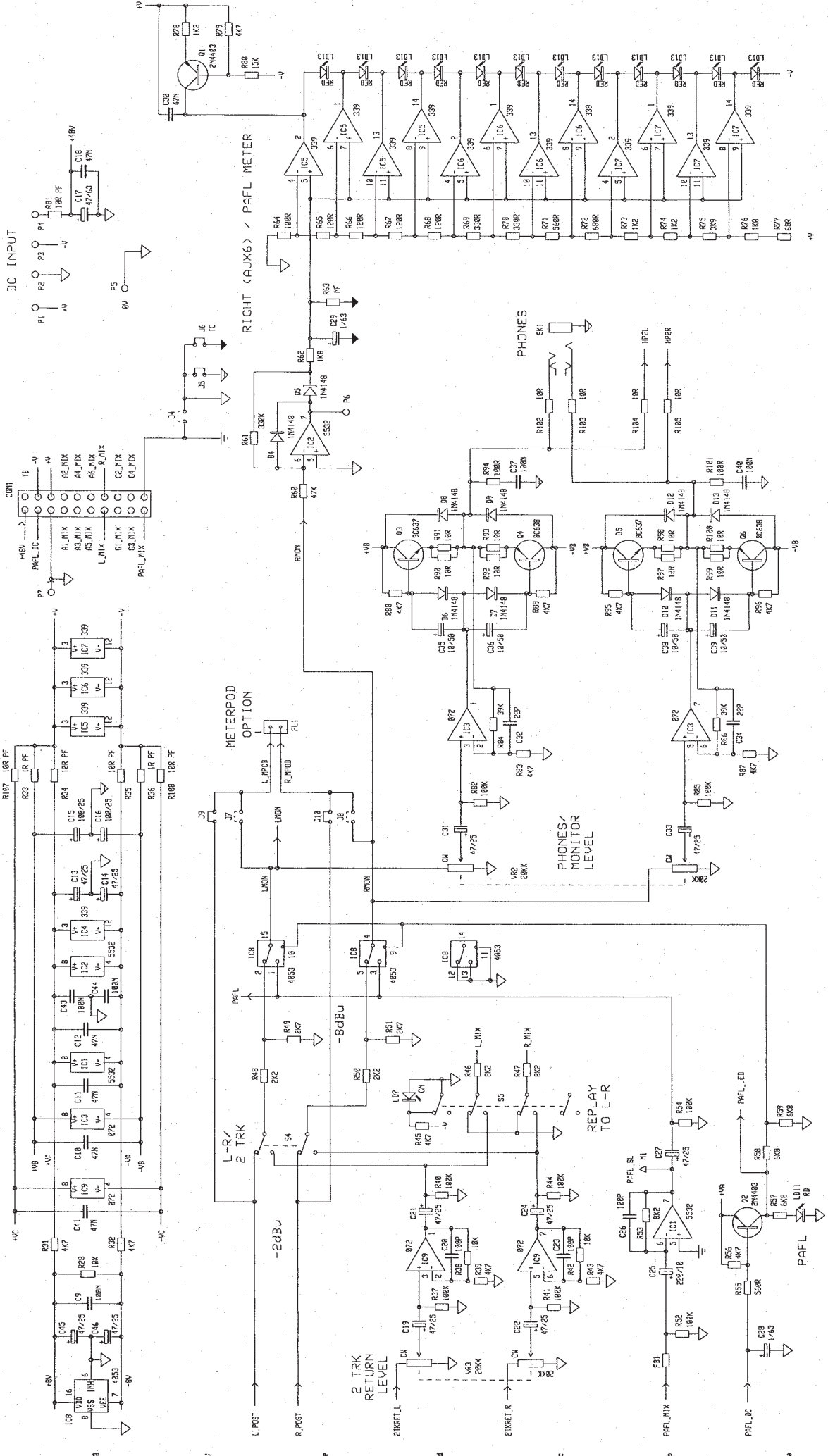


METERPOD OPTION



ISS.	REVISION	BY	DATE	NOTES	UNIT TITLE	SHT 1 OF 2	MANUFACTURED IN ENGLAND BY
A	ORIGIN	AAT	12-08-98	1. RESISTORS MARKED * ARE 1% ALL OTHERS ARE 5% UNLESS OTHERWISE MARKED	L22		ALLEN & HEATH
1	PRODUCTION	ARJ	13-10-98	2. ELECTROLYTIC CAPACITORS ARE µF/VOLTS	RIGHT PCB		A DIVISION OF HARMON INTERNATIONAL INDUSTRIES LTD
2	UPDATES	ARJ	13-1-99				DRAWING No. C3427
							ISSUE 2





MANUFACTURED IN ENGLAND BY

UNIT TITLE  
L22

SHT 2 OF 2

NOTES  
1. RESISTORS MARKED \* ARE 1%  
ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED  
2. ELECTROLYTIC CAPACITORS ARE µF-VOLTS

ISS. A  
1  
2

REVISION BY DATE  
AAT 12-08-98  
AB 9-10-98  
UPDATES

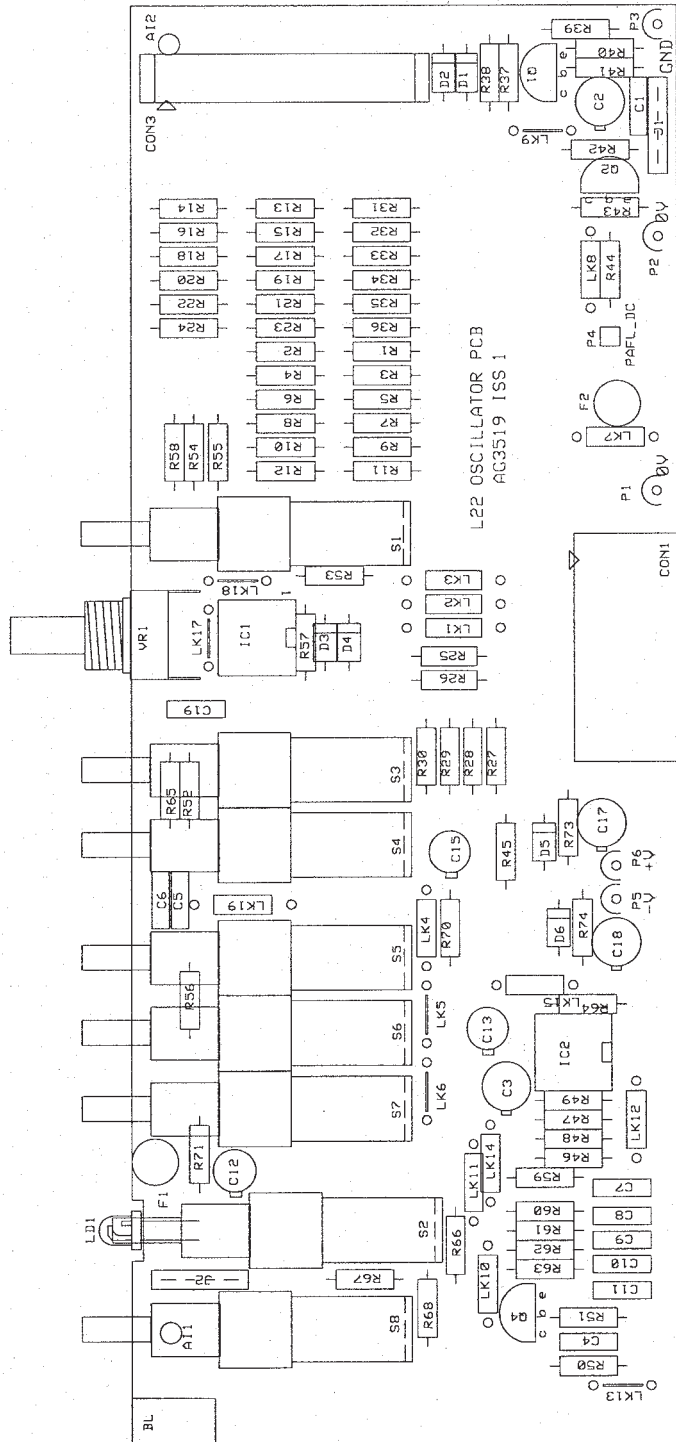
ORIGIN PRODUCTION

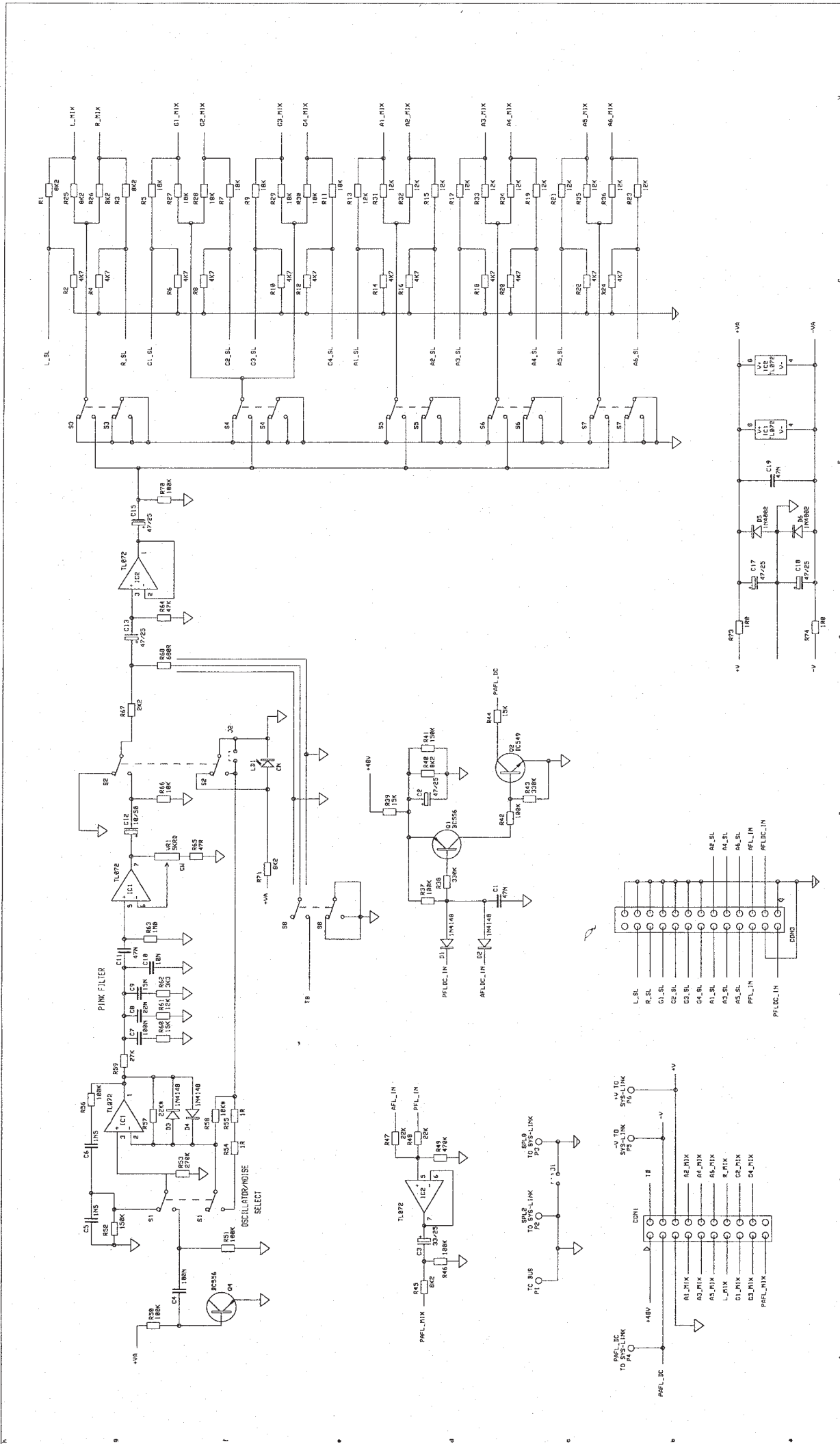
DRAWING TITLE  
RIGHT PCB

PCB TYPE AG3427

ALLEN & HEATH  
A DIVISION OF HARMON INTERNATIONAL INDUSTRIES LTD

DRAWING No. C3427 ISSUE 2





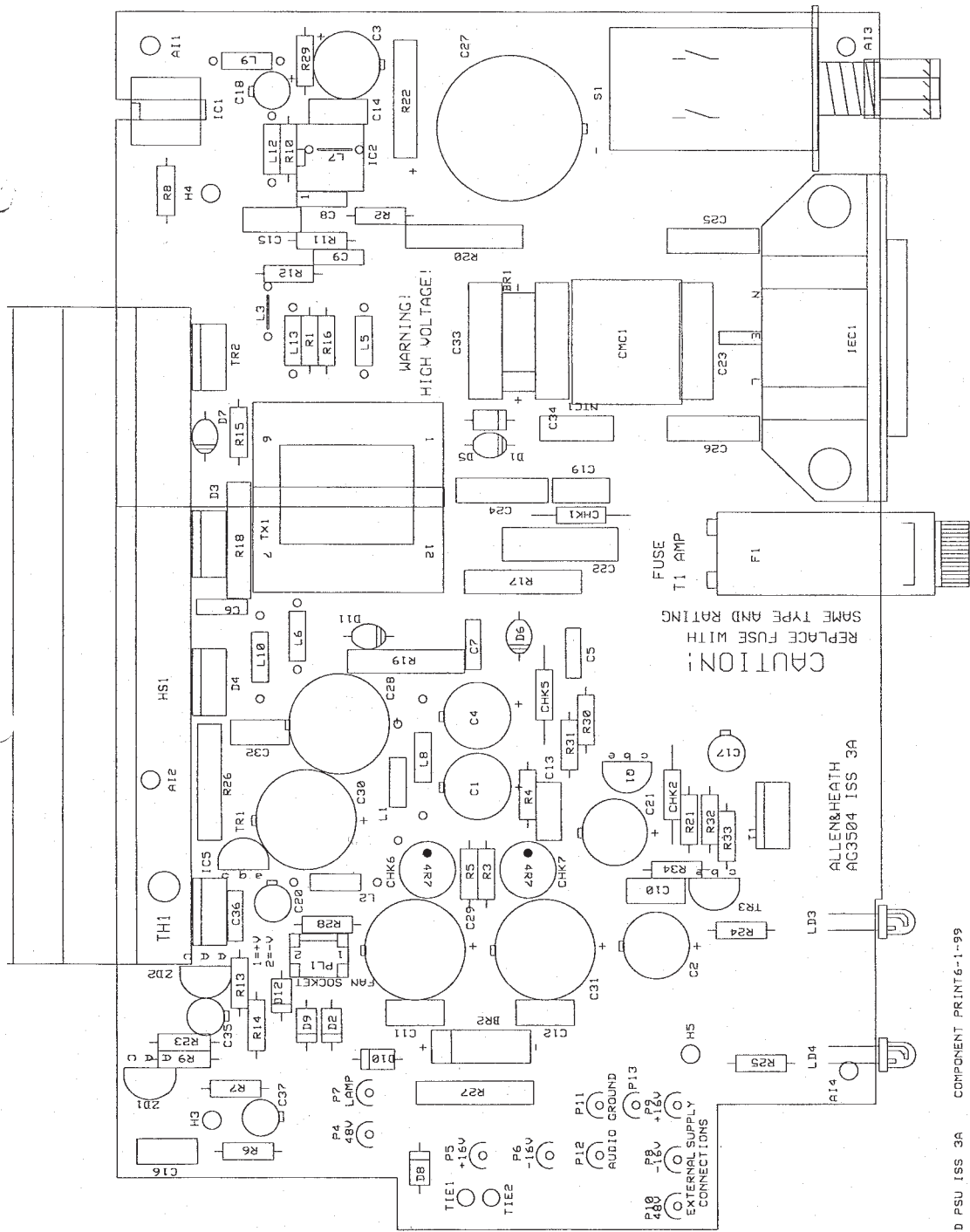
ISS.	REVISION	BY	DATE	NOTES
1	ORIGIN	AAT	18-08-98	
2	PRODUCTION	AAT	17-09-98	
2	SYS-LINK MOD. (R45)	DWD	26-02-99	

UNIT TITLE	GL2200
DRAWING TITLE	OSC/NOISE/SYS IN
PCB	PCB TYPE AG3519

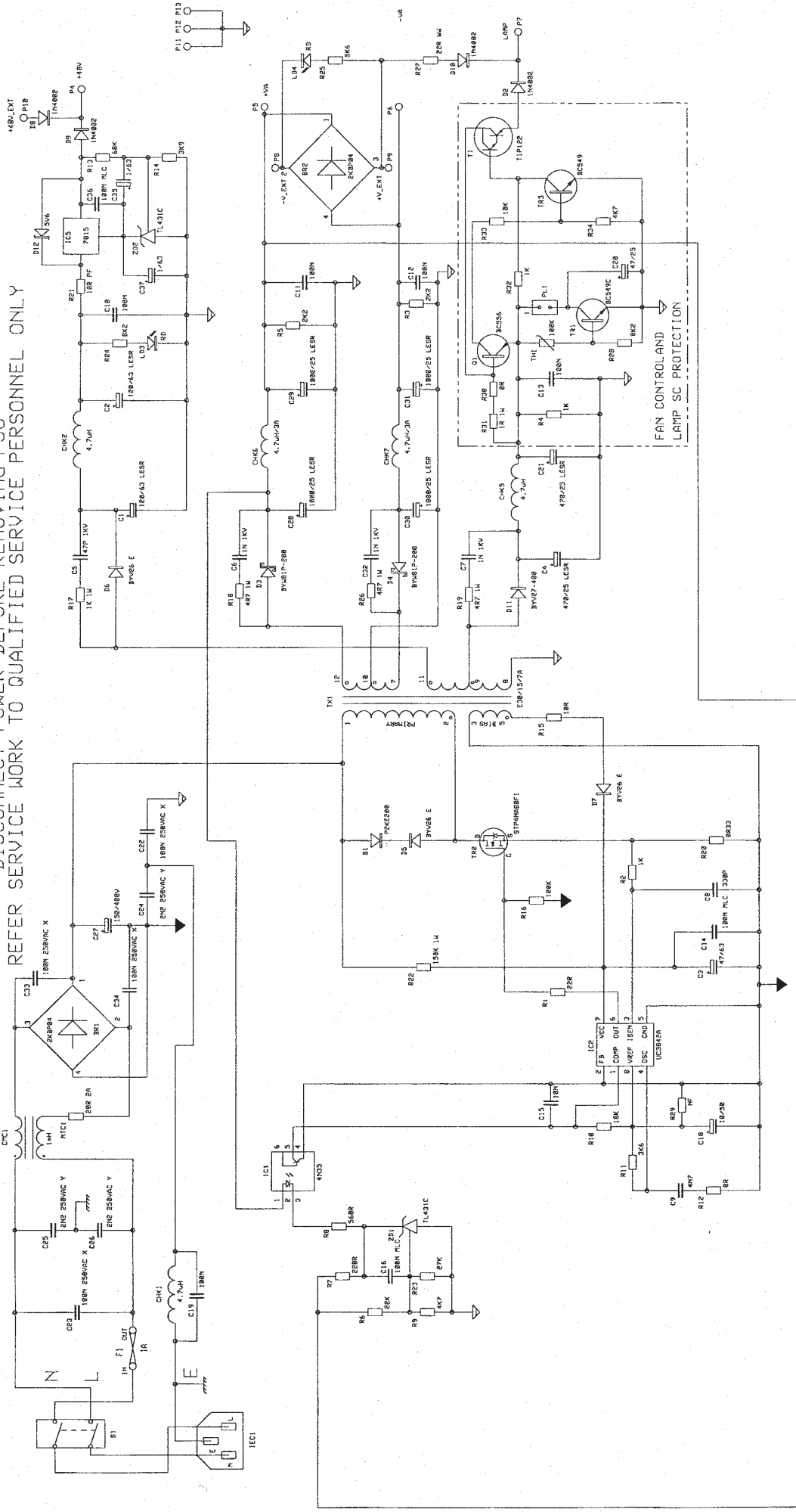
  

ALLEN & HEATH	TEL. (44) (0) 1326 37979
PERVIX INDUSTRIAL ESTATE	FAX. (44) (0) 1326 37977
CORNWALL	
ENGLAND TR18 9U	
ALLEN & HEATH A DIVISION OF HARMON INTERNATIONAL INDUSTRIES LIMITED.	
DRAWING No. C3519	ISSUE 2



AC3504 LED PSU ISS 3A COMPONENT PRINT6-1-99

**DANGER - HIGH VOLTAGE**  
**DISCONNECT POWER BEFORE REMOVING PSU**  
**REFER SERVICE WORK TO QUALIFIED SERVICE PERSONNEL ONLY**



ISS.	REVISION	BY	DATE	NOTES	A	B	C	D	E	F	G	H
A	PROTOTYPE	ARJ	7-08-98	1. RESISTORS MARKED * ARE 1% ALL OTHERS ARE 5% UNLESS OTHERWISE MARKED								
B	REVISED	ARJ	23-9-98	2. ELECTROLYTIC CAPACITORS ARE JFV4013								
1	PRODUCTION	ARJ	12-10-98									
2	UPDATES	ARJ	28-10-98									
3	LAMP PROTECTION	ARJ	25-1-99									

**UNIT TITLE**  
**60W PSU**  
**DRAWING TITLE**  
**GL2200**

MANUFACTURED IN ENGLAND BY  
**ALLEN & HEATH**  
 DRAWING NO. **C3504**  
 ISSUE **3**

PCB AC3504