ALLEN&HEATH



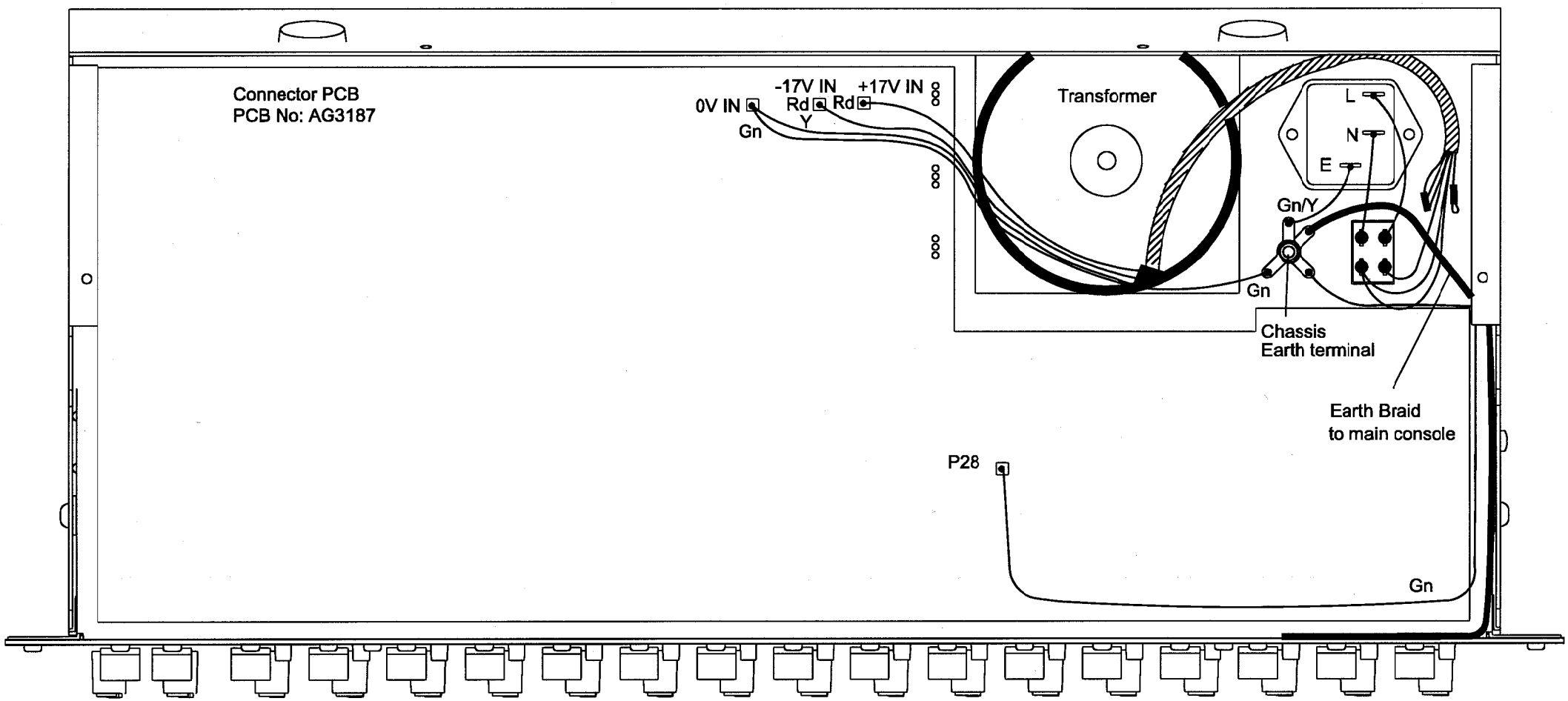
WARNING – HIGH VOLTAGES

Power Supply Unit (PSU) work should only be carried out by qualified personnel.

We recommend that you use an approved Allen & Heath service centre for all power supply work.

Please contact your local Allen & Heath distributor for more details.

http://www.allen-heath.com/



CHASSIS EARTH ARRANGEMENT
M3 NYLOK NUT (AB0102) 4BA EARTH TAGS (AK0002) M3 HALF NUT (AB0094) M3 SHAKEPROOF WASHER (AB0244) 4BA CHASSIS EARTH TAG
STICK EARTH LABEL (AN2799) NEXT TO EARTH TERMINAL

Main console unit removed for clarity

ISSUE	REVISION	BY DATE
1	PRODUCTION	IMcB 10-2-98

DRAWING TITLE

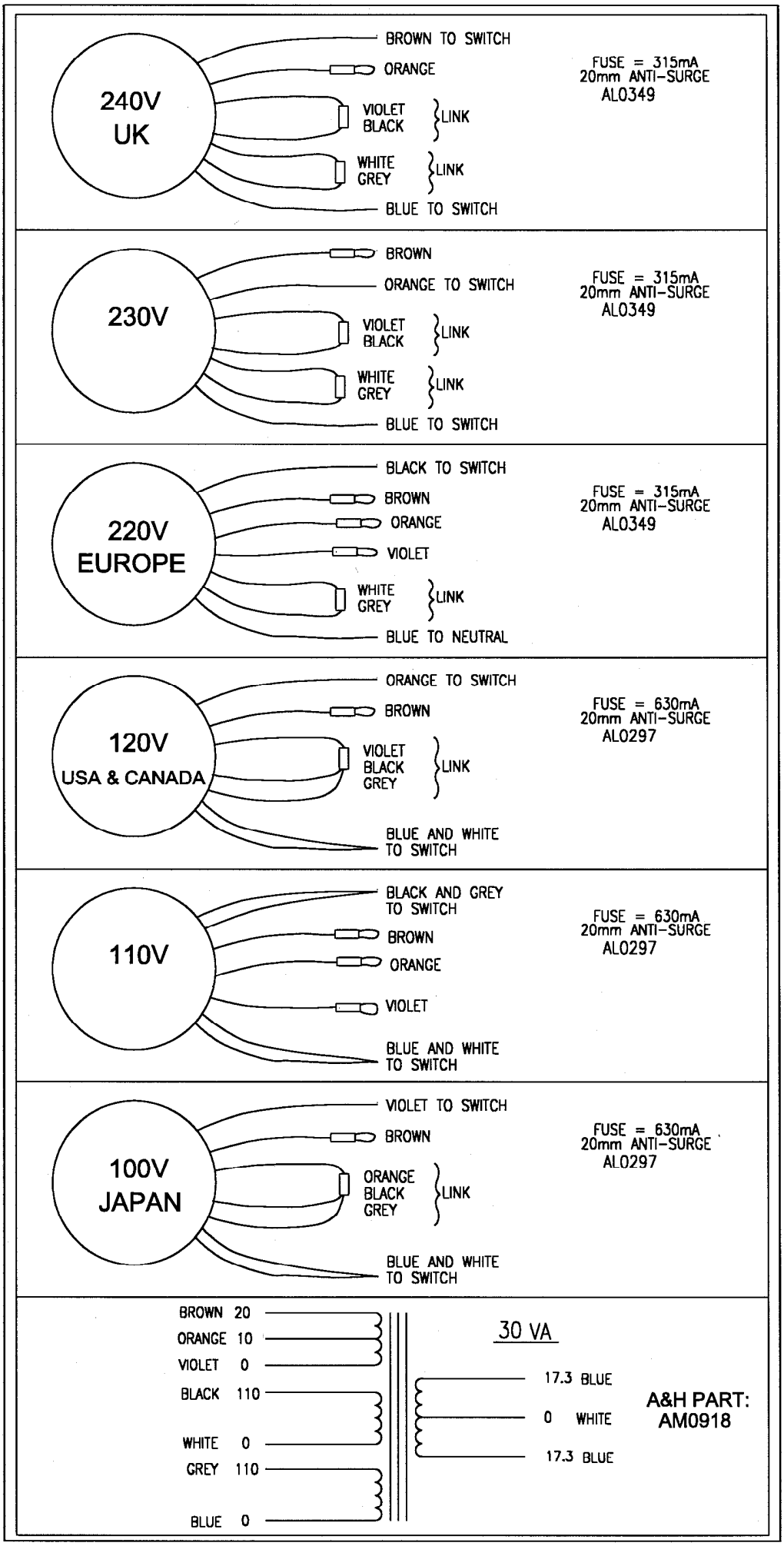
2e-4
PSU ASSEMBLY

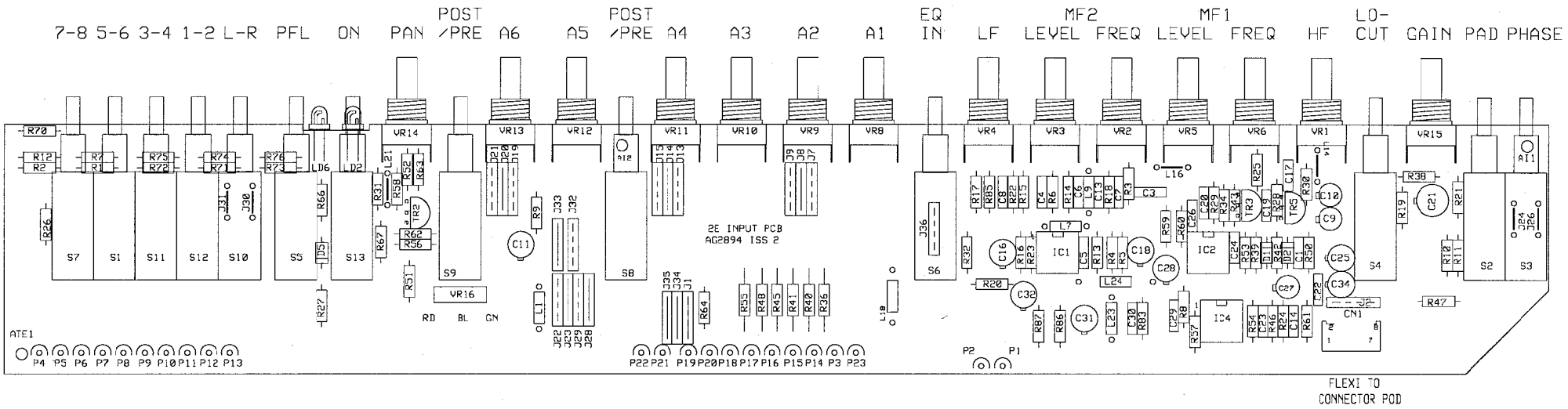
ALLEN & HEATH
KERNICK INDUSTRIAL ESTATE,
PENRYN, CORNWALL TR10 9LU.
TEL. 01326 372070
FAX. 01326 377097

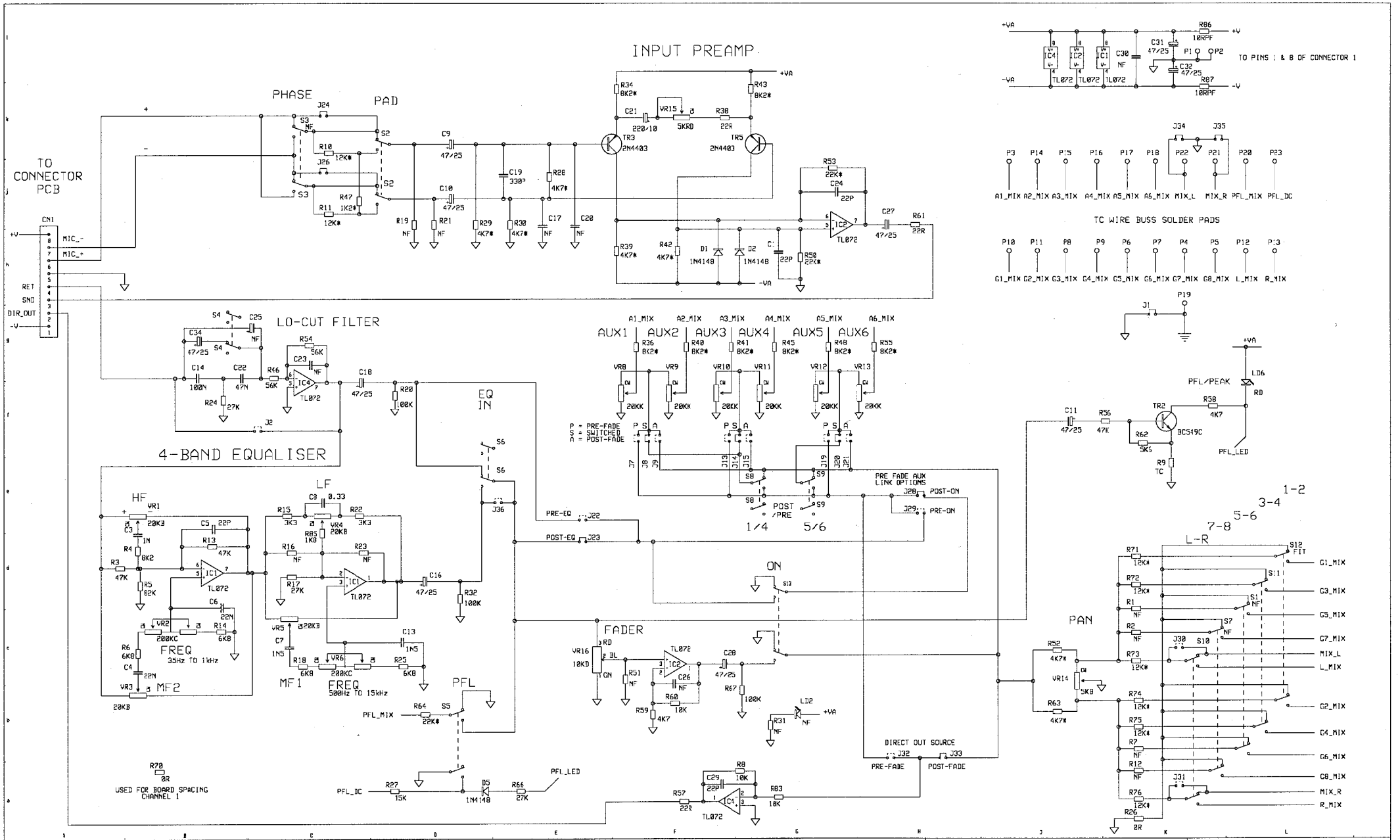
DRAWING No M002-321 ISSUE 1

2e TRANSFORMER - MAINS WIRING

⊂⊃ = SLEEVED & UNCONNECTED.




7-8 5-6 3-4 1-2 L-R PFL ON PAN POST /PRE A6 A5 POST /PRE A4 A3 A2 A1 EQ IN LF MF2 LEVEL FREQ MF1 LEVEL FREQ HF LO- CUT GAIN PAD PHASE
2E INPUT PCB
AG2894 ISS 2
RD BL GN
FLEXI TO
CONNECTOR POD



ISS.	REVISION	BY	DATE
A	ORIGIN	ARJ	20/01/97
1_4	2E-4 VALUES	ARJ	18-8-97

NOTES

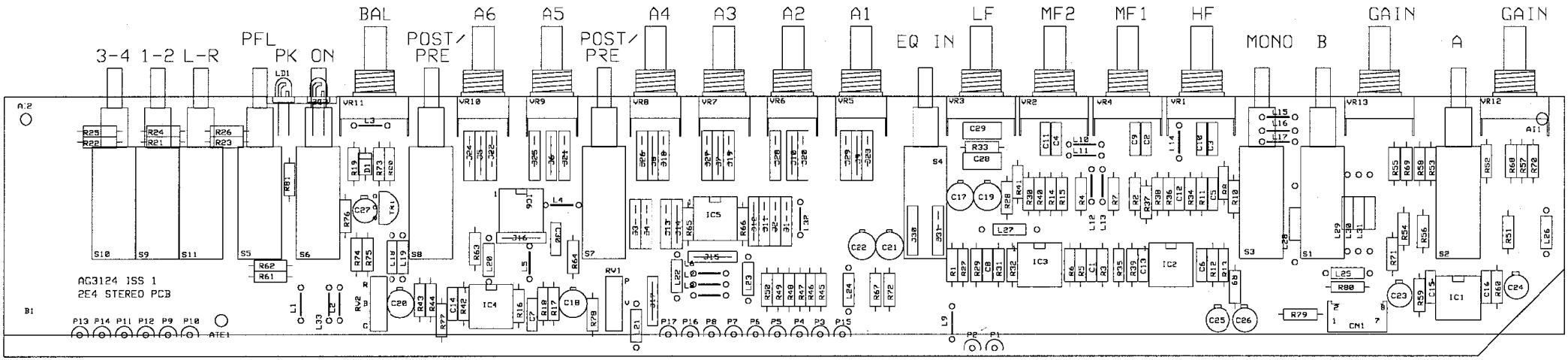
1. RESISTORS MARKED # ARE 1% ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED
2. ELECTROLYTIC CAPACITORS ARE µF/VOLTS
3. DO NOT MODIFY THIS CCT. WITHOUT REFERENCE TO OTHER WIZARD INPUT CCTs.

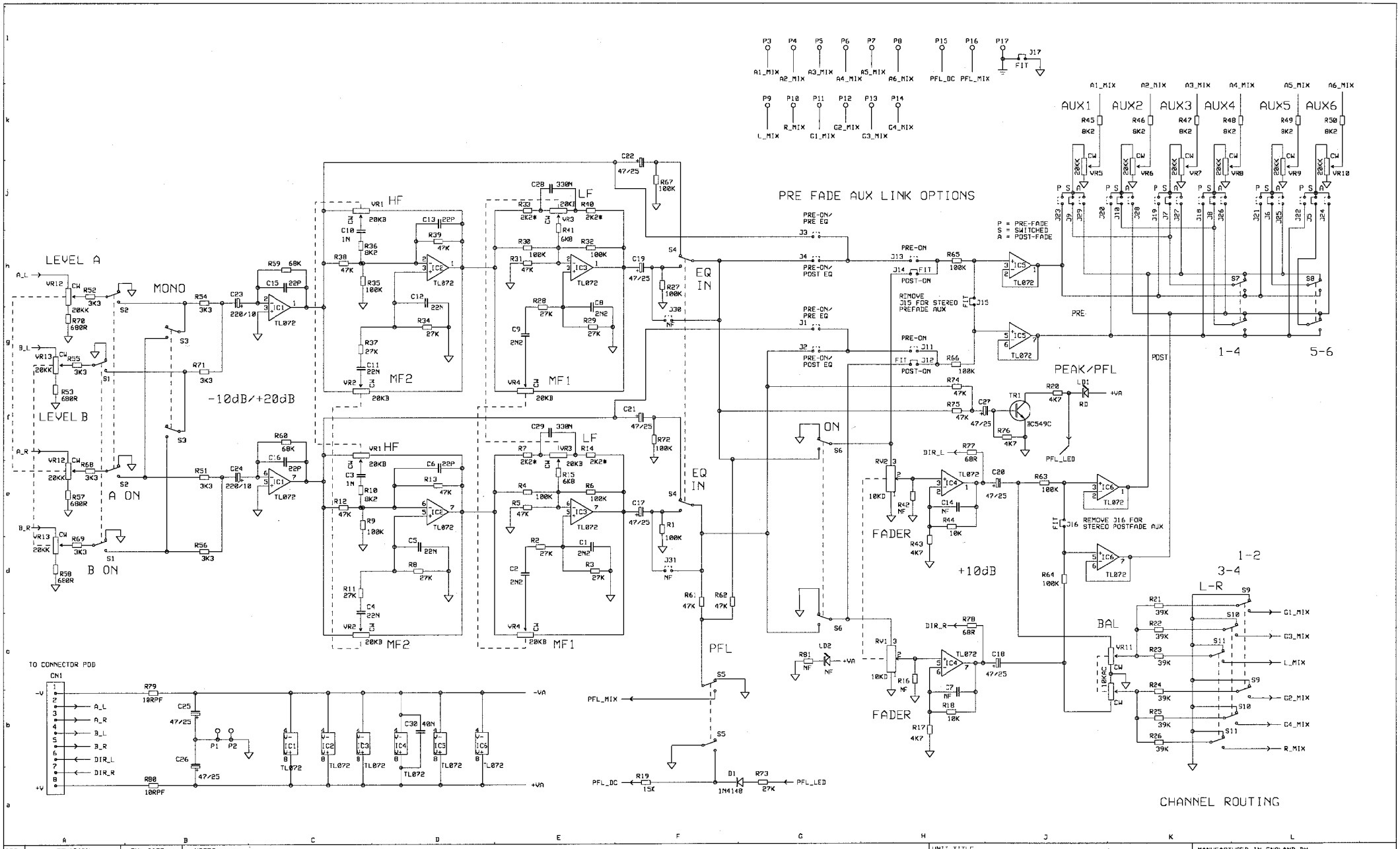
UNIT TITLE 2E_4 R/G347

DRAWING TITLE INPUT CIRCUIT DIAGRAM PCB TYPE AG2894

MANUFACTURED IN ENGLAND BY ALLEN & HEATH

DRAWING No. C2894 ISSUE 1 A1


3-4
1-2
L-R
PFL
PK
ON
BAL
POST/
PRE
A6
A5
POST/
PRE
A4
A3
A2
A1
EQ IN
LF
MF2
MF1
HF
MONO
B
GAIN
A
GAIN
AG3124 ISS 1
2E4 STEREO PCB



ISS.	REVISION	BY	DATE
A	ORIGIN	ARJ	27-5-97
B	VALUE UPDATES	ARJ	14-8-97

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

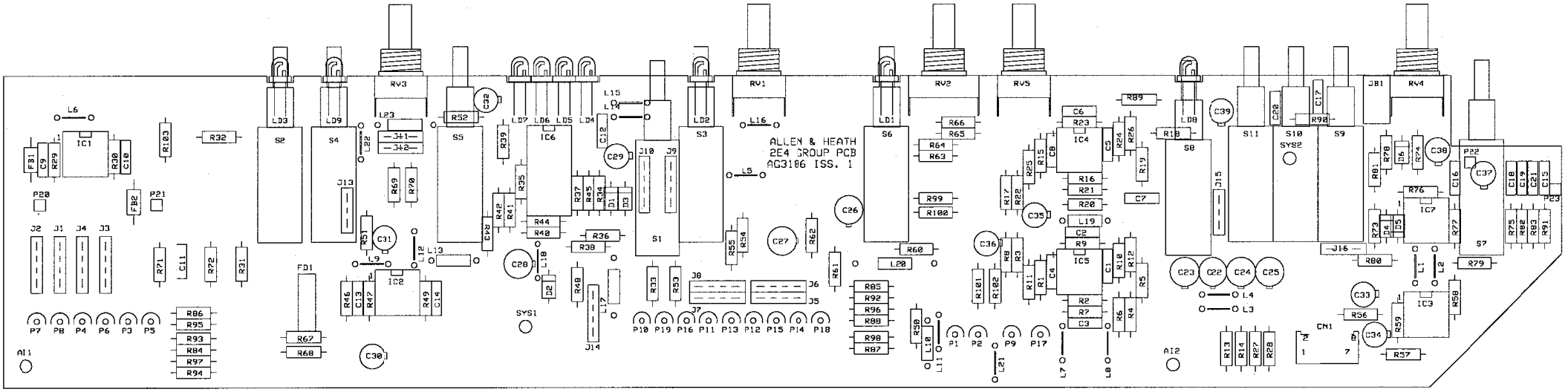
UNIT TITLE: 2E-4

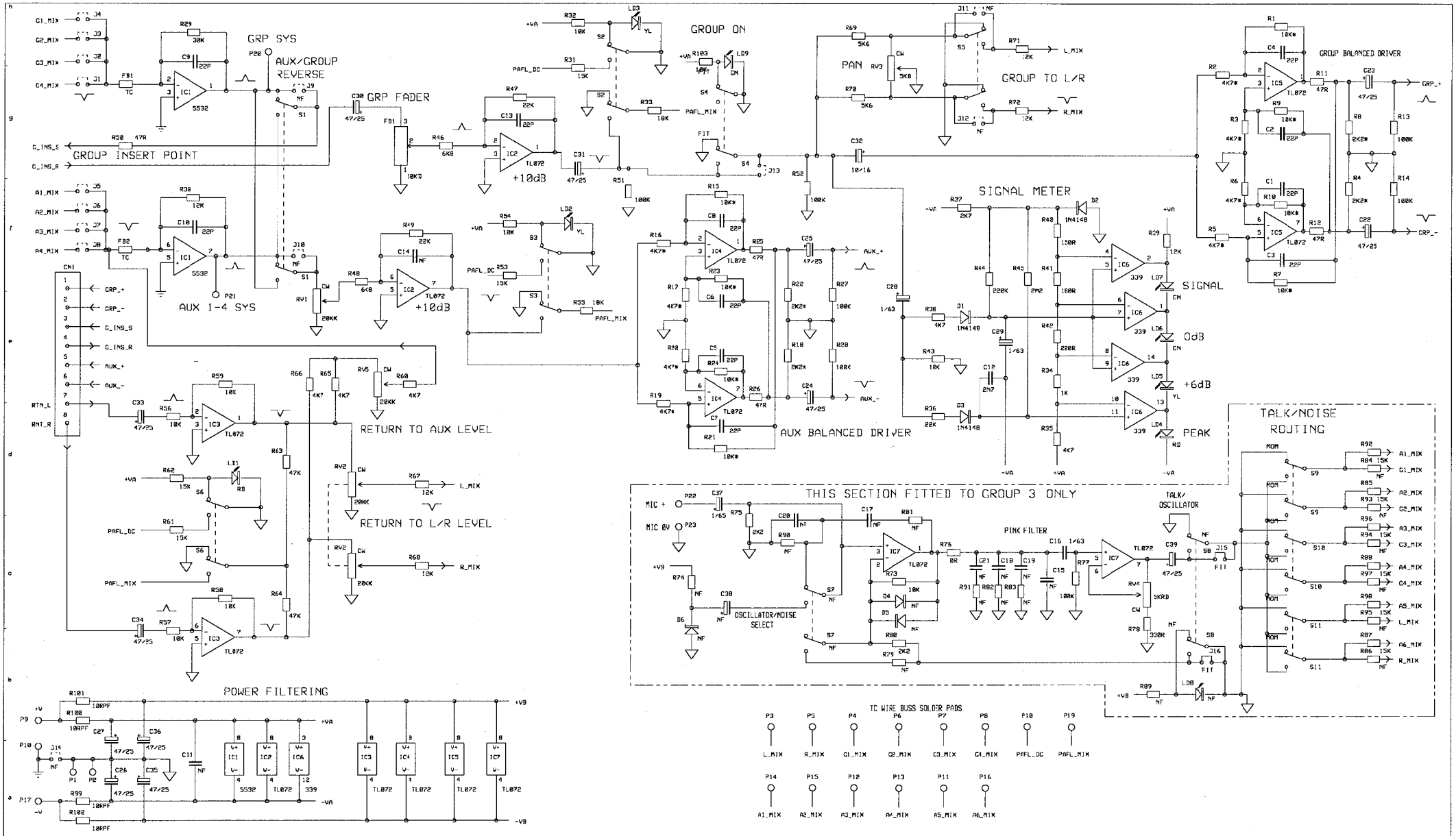
DRAWING TITLE: STEREO PCB

PCB AG3124

MANUFACTURED IN ENGLAND BY
ALLEN & HEATH

DRAWING No. RG347 C3124 ISSUE B A1


ALLEN & HEATH
2E4 GROUP PCB
AG3186 ISS. 1



ISS.	REVISION	BY DATE
A	ORIGIN	ARJ 26-6-97
B	VALUE UPDATES	ARJ 14-8-97
1	C28 VALUE CHANGE	DWD 14-11-97
2	C32 VALUE CHANGE	ARJ 22-1-98

NOTES

1. RESISTORS MARKED # ARE 1%
   ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED
2. ELECTROLYTIC CAPACITORS ARE µF/VOLTS

UNIT TITLE: 2E-4

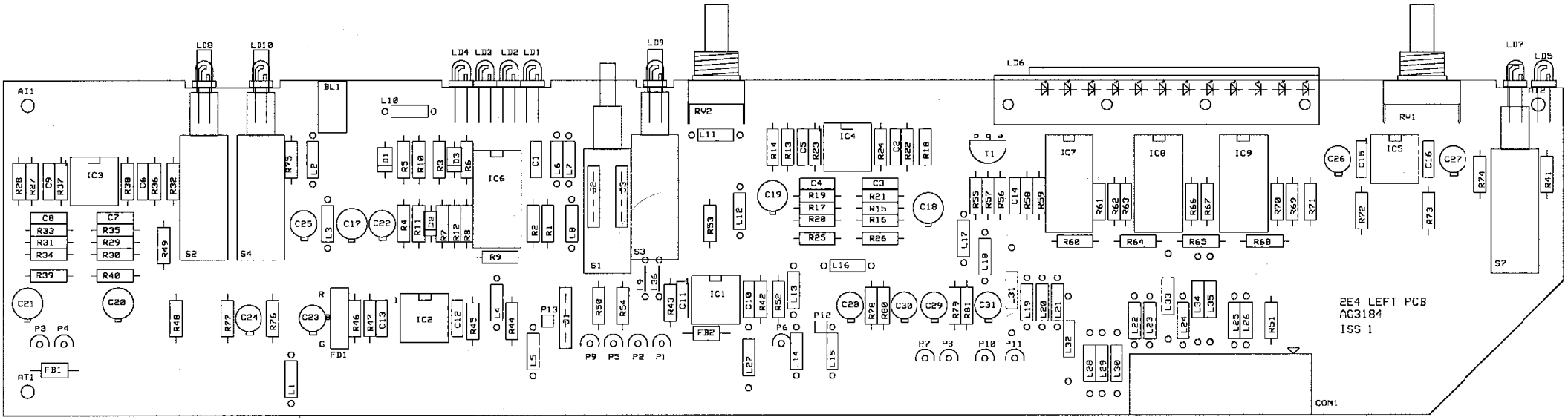
DRAWING TITLE: GROUP PCB

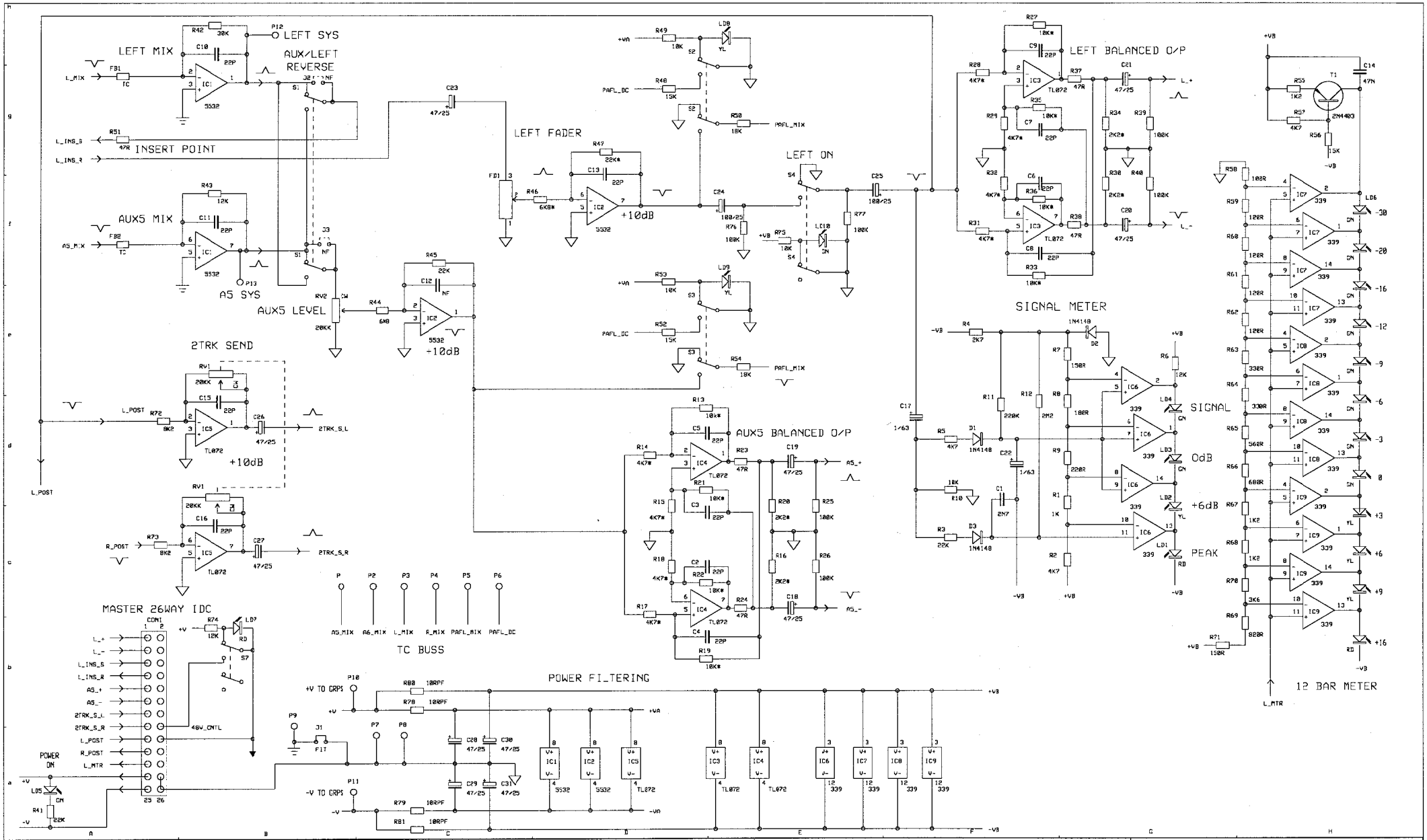
RG 347

MANUFACTURED IN ENGLAND BY

ALLEN & HEATH

DRAWING No. M3186 ISSUE 2 A2


2E4 LEFT PCB
AG3184
ISS 1
CON1
RV1
RV2
T1
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
S1
S2
S3
S4
S7
FD1
FB1
FB2
BL1
AT1
AI1
AI2
LD1
LD2
LD3
LD4
LD5
LD6
LD7
LD8
LD9
LD10



ISS.	REVISION	BY DATE
A	ORIGIN	ARJ 15-7-97
B	REVISED VALUES	ARJ 14-8-97
1	VALUE CHANGES	DWD 14-11-97

NOTES

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

UNIT TITLE: 2E-4

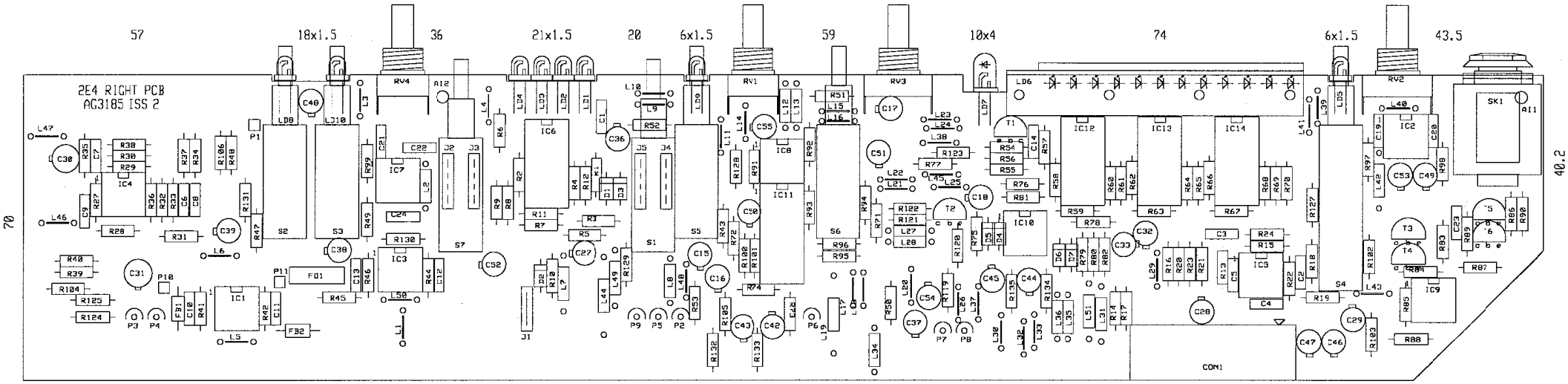
DRAWING TITLE: LEFT PCB CIRCUIT DIAGRAM

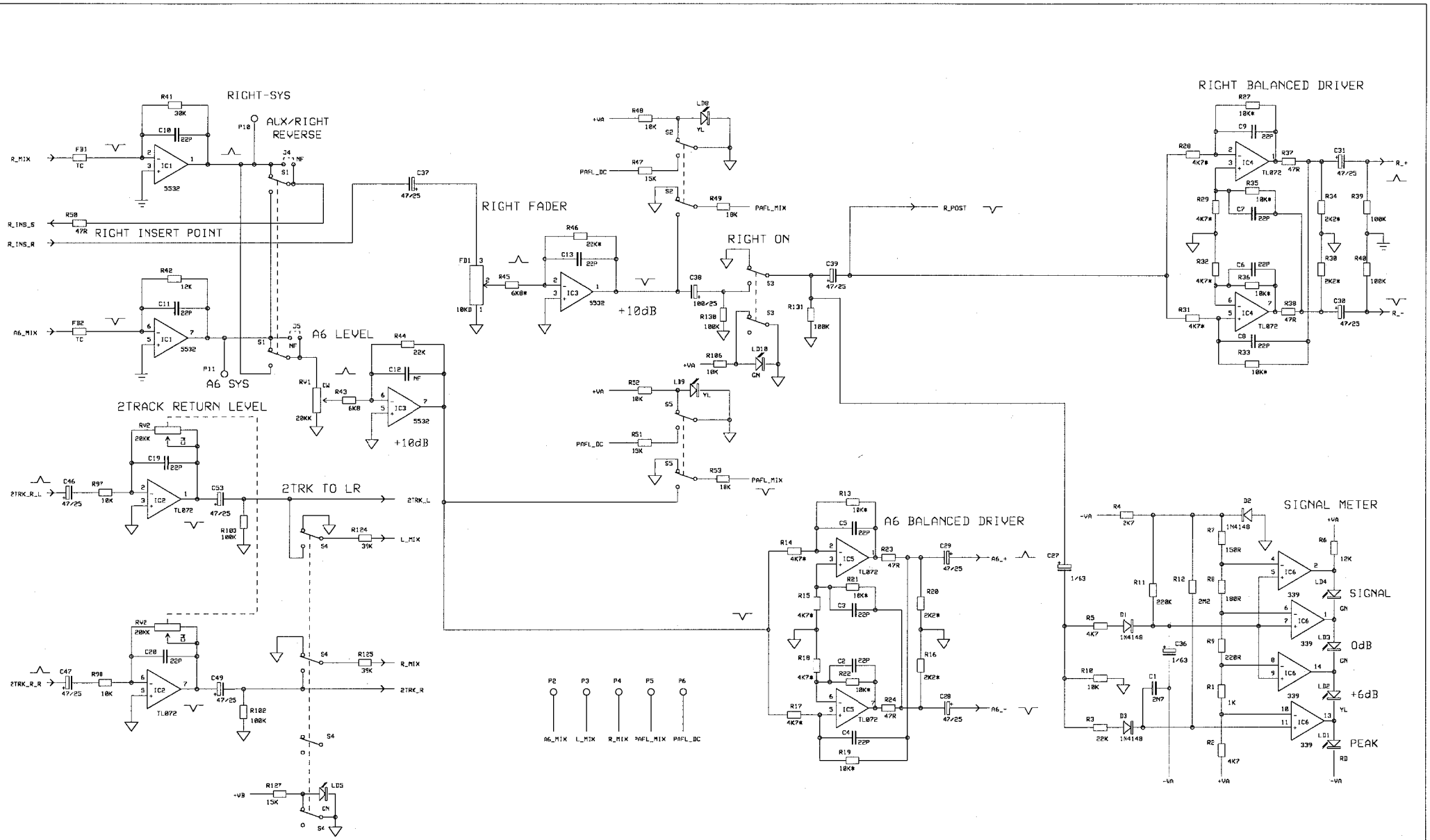
PCB AG3184 RG347

MANUFACTURED IN ENGLAND BY

ALLEN & HEATH

DRAWING No. C3184 ISSUE 1 A2


2E4 RIGHT PCB
AG3185 ISS 2
57
18x1.5
36
21x1.5
20
6x1.5
59
10x4
74
6x1.5
43.5
70
40.2
RV4
RV1
RV3
RV2
SK1
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC11
IC12
IC13
IC14
T1
T2
T3
T4
S1
S2
S3
S4
S5
S6
S7
CON1
LD6



ISS.	REVISION	BY DATE
A	ORIGIN	ARJ 10-6-97
3	UPDATES	ARJ 18-8-97
C	VALUE CHANGE R5	ARJ 29-10-97
1	C24 ADDED	ARJ 04-11-97
2	VALUE CHANGES	DWD 14-11-97
3	C48 VALUE CHANGE	DWD 21-11-97

NOTES

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

UNIT TITLE: 2E-4 PAGE 1 OF 2

DRAWING TITLE: RIGHT PCB

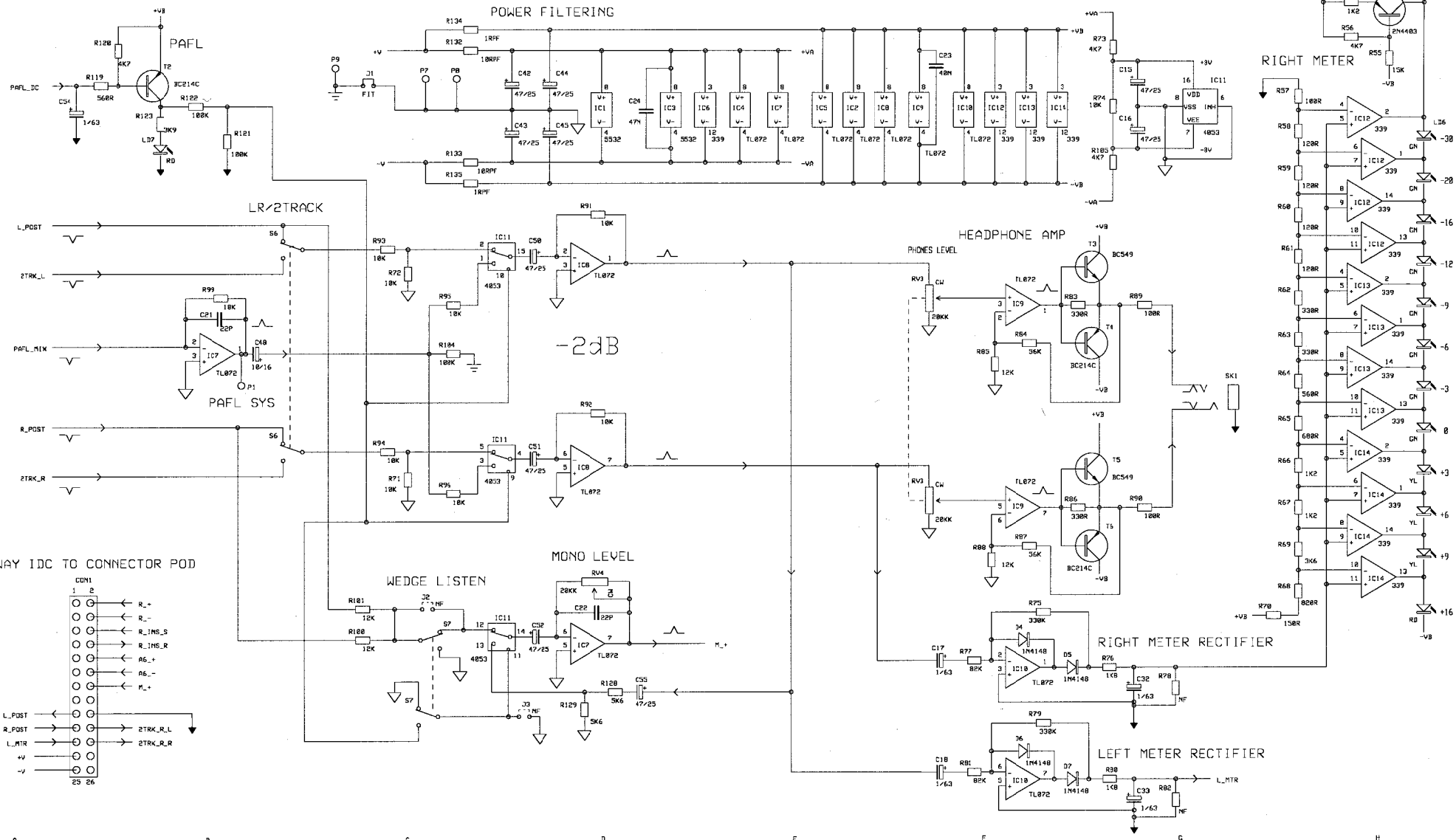
RG347

MANUFACTURED IN ENGLAND BY

ALLEN & HEATH

DRAWING No. C3185 ISSUE 3 A2

MONITOR SECTION



ISS.	REVISION	BY DATE
A	ORIGIN	ARJ 10-6-97
B	UPDATES	ARJ 18-8-97
C	VALUE CHANGE R5	ARJ 29-10-97
1	C24 ADDED	ARJ 04-11-97
2	VALUE CHANGES	IWD 14-11-97
3	C48 VALUE CHANGE	IWD 21-11-97

NOTES

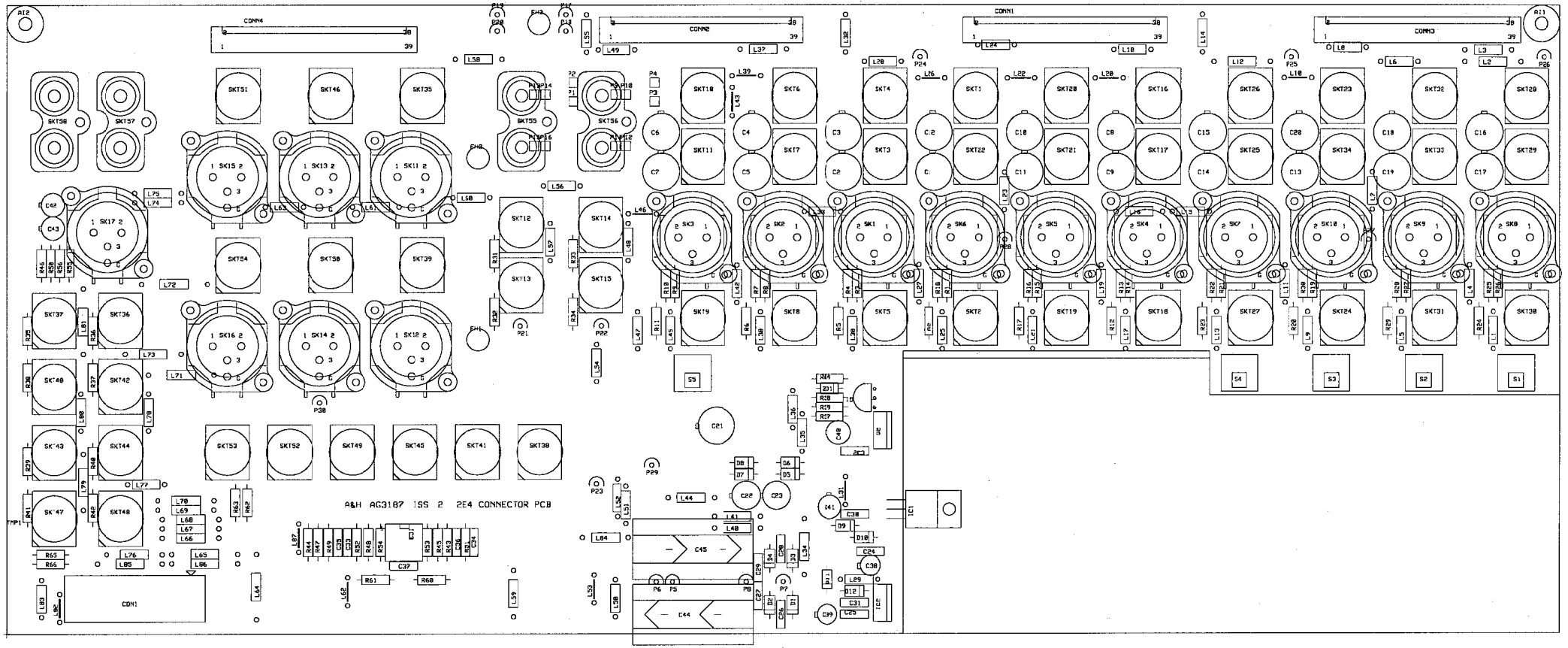
1. RESISTORS MARKED # ARE 1%
   ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED
2. ELECTROLYTIC CAPACITORS ARE µF/VOLTS

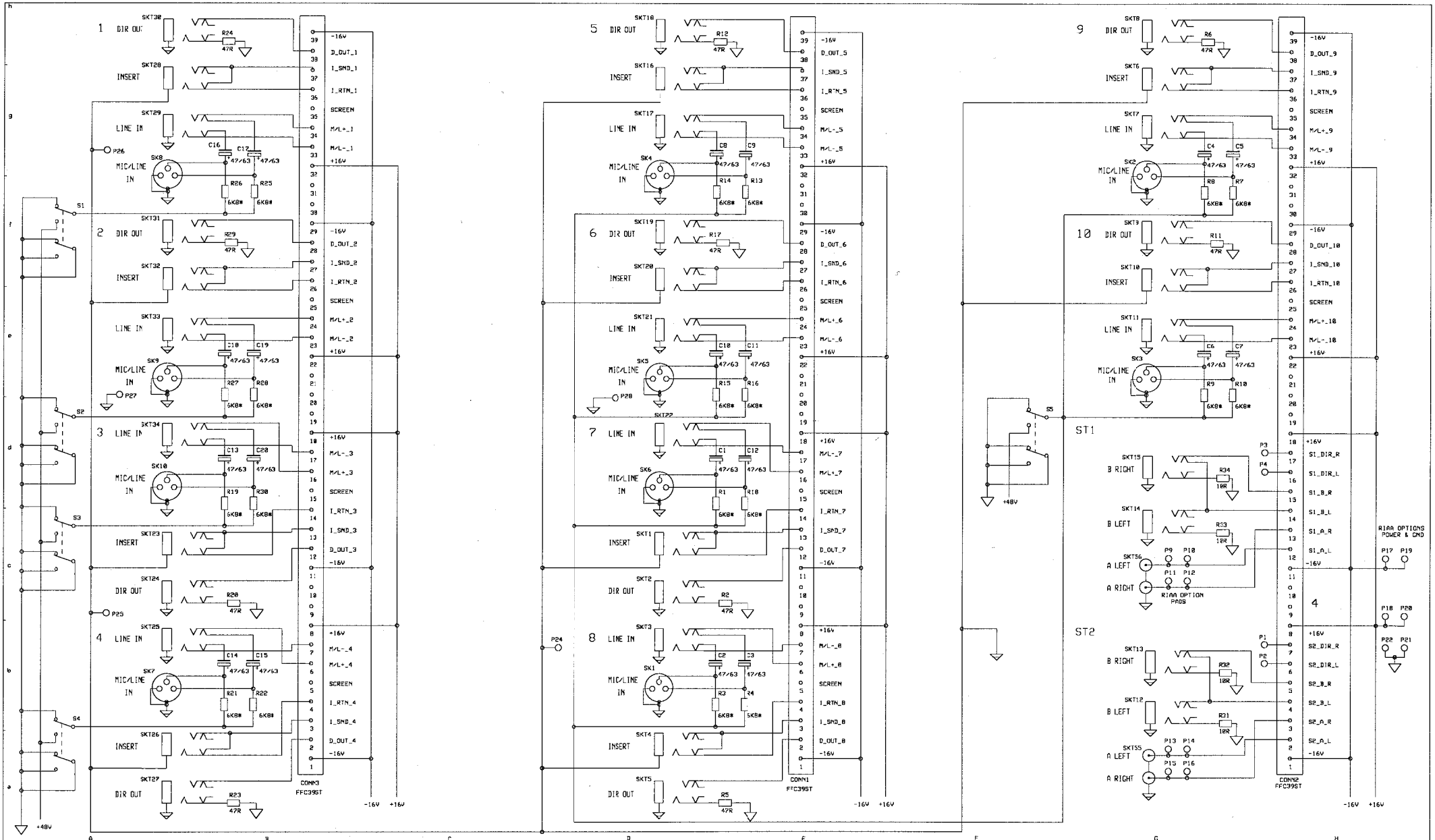
UNIT TITLE: 2E-4 — PAGE 2 OF 2

DRAWING TITLE: RIGHT PCB — RG347

MANUFACTURED IN ENGLAND BY: ALLEN & HEATH

DRAWING No. C3185 — ISSUE 3 — A2


A&H AG3187 ISS 2 2E4 CONNECTOR PCB
DIR OUT IN LINE INSERT



ISS.	REVISION	BY	DATE
A	ORIGIN	ARJ	3-7-97
B	UPDATES	ARJ	19-8-97
1	PRODUCTION	AAT	3-11-97

NOTES

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

UNIT TITLE 2E-4

PAGE 1 OF 2

DRAWING TITLE CONNECTOR PCB

PCB AG3187/1

MANUFACTURED IN ENGLAND BY

ALLEN & HEATH

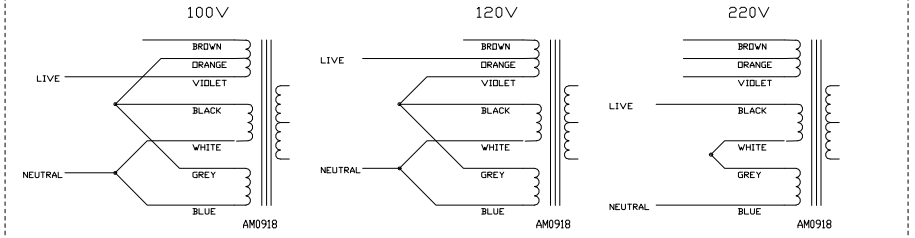
RG 347

DRAWING No. C3187 ISSUE 1 A2

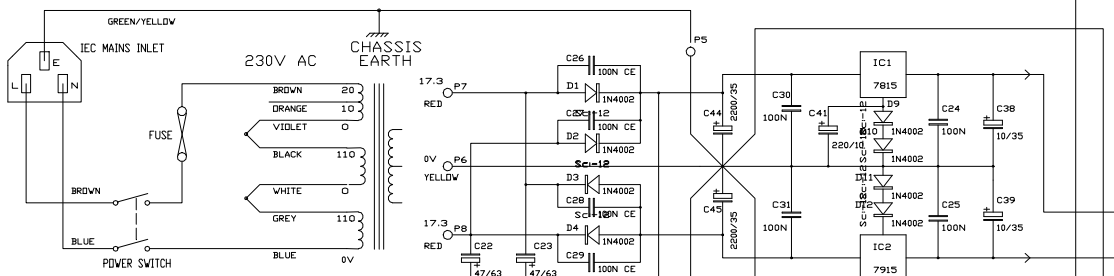
DANGER - HIGH VOLTAGE!

DISCONNECT MAINS SUPPLY BEFORE WORKING ON THIS UNIT
REFER SERVICE WORK TO QUALIFIEDSERVICE PERSONNEL ONLY

ALTERNATIVE VOLTAGE SETTINGS

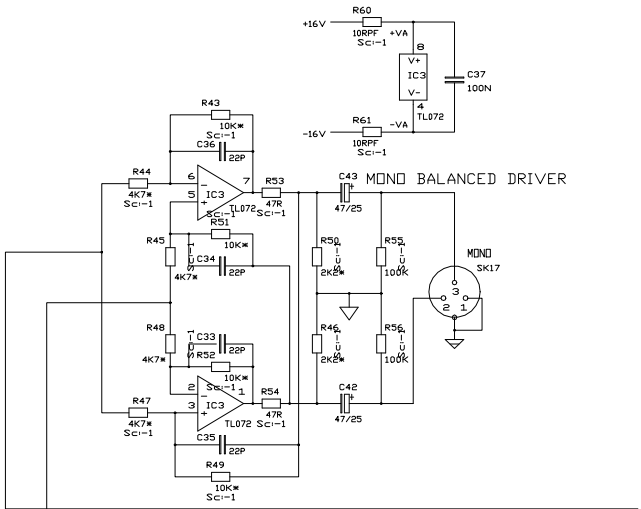


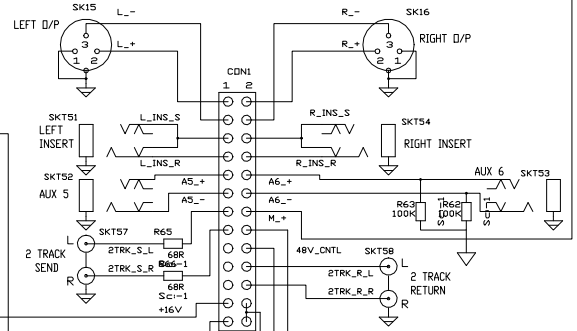
MAINS WIRING

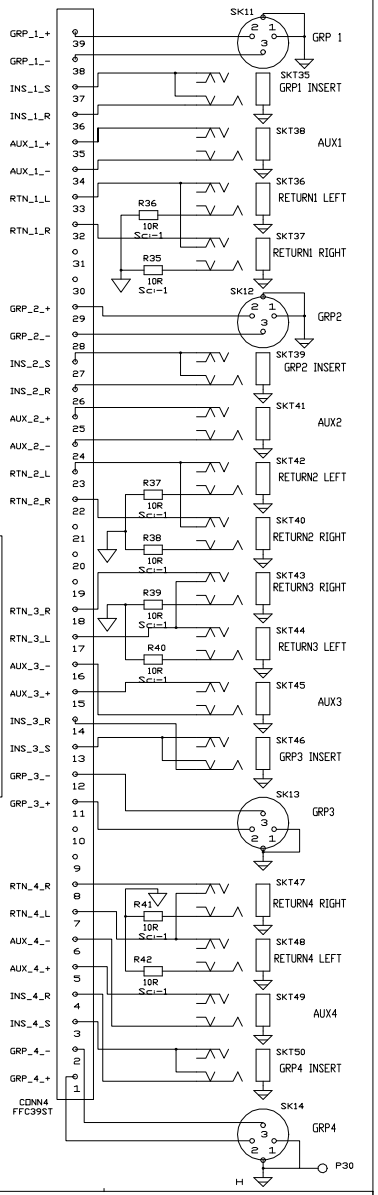


FUSE RATING	
MAINS VOLTAGE	FUSE RATING
100V	630mA T
120V	630mA T
220V	315mA T
230V	315mA T

MONO BALANCED DRIVER







ISS.	REVISION	BY	DATE
A	ORIGIN	ARJ	3-7-97
B	UPDATES	ARJ	19-8-97

NOTES

1. RESISTORS MARKED * ARE 1%
   ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED
2. ELECTROLYTIC CAPACITORS ARE ?F/VOLTS

UNIT TITLE 2E-4 PAGE 2 OF 2

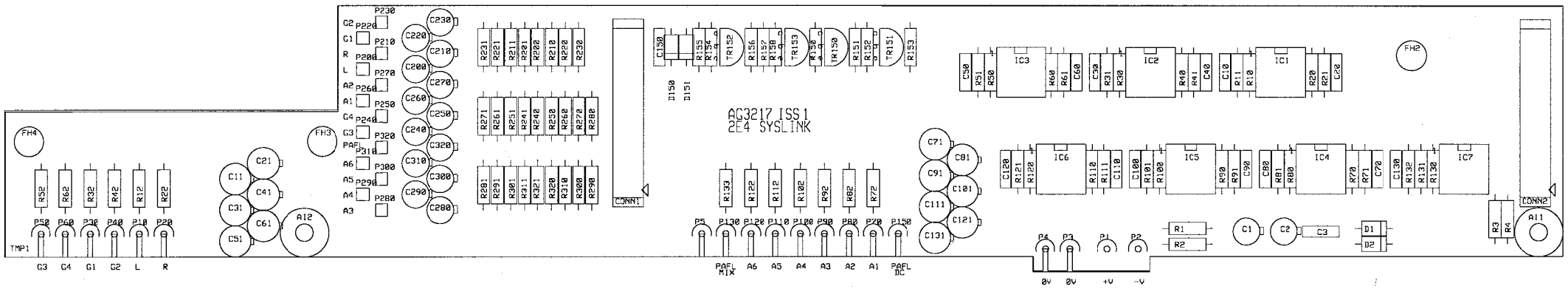
DRAWING TITLE CONNECTOR PCB

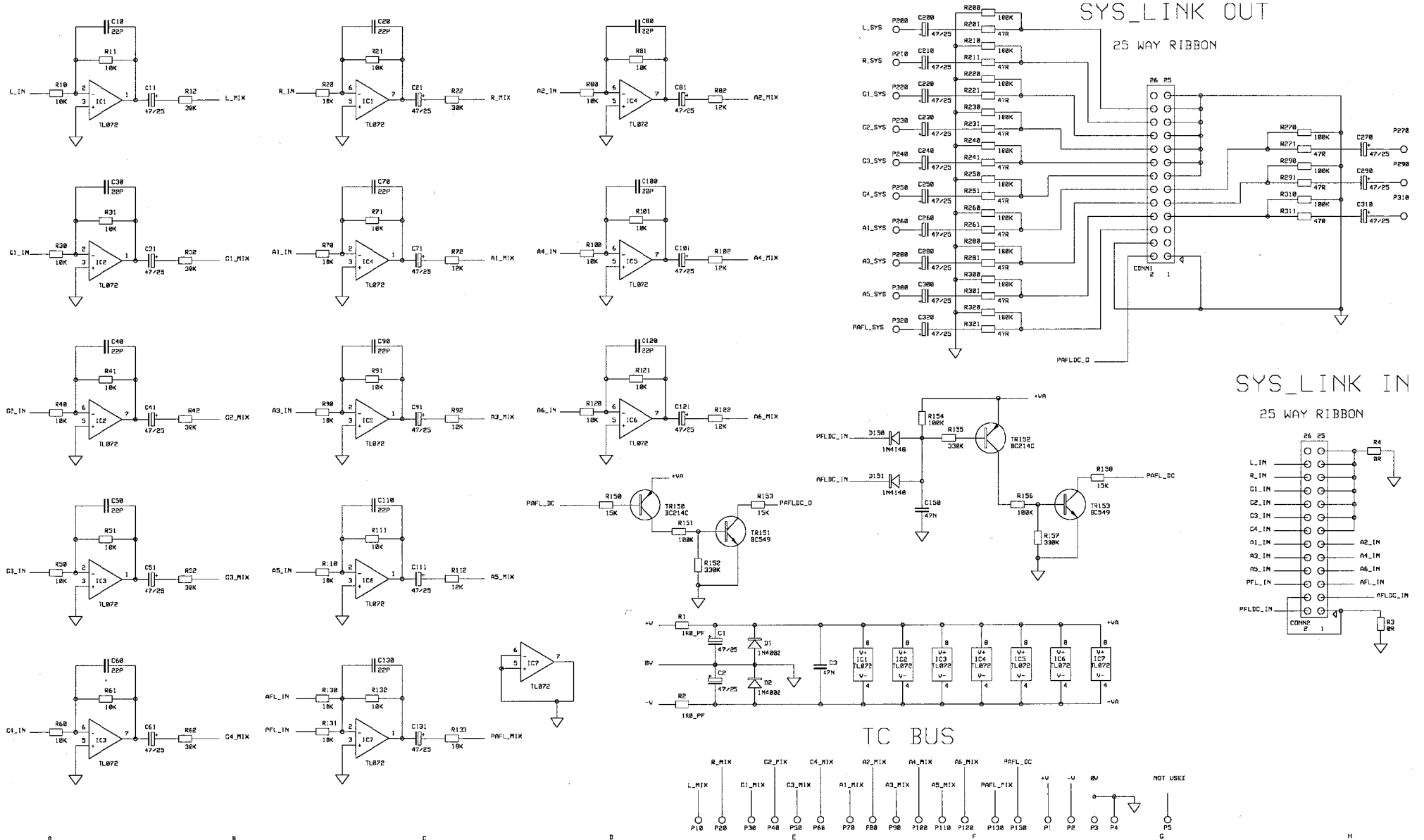
PCB AG3187/1

MANUFACTURED IN ENGLAND BY
ALLEN & HEATH

RG 347

DRAWING No. C3187 ISSUE B A2


AC3217 ISS1
2E4 SYSLINK
FH4
FH3
FH2
TMP1
G3 G4 G1 G2 L R
PAFL MIX
A6 A5 A4 A3 A2 A1
PAFL DC
0V 0V +V -V
CONN1
CONN2
IC1
IC2
IC3
IC4
IC5
IC6
IC7
A11
A12



ISS.	REVISION	BY	DATE
A	ORIGIN	AAT	15-08-97
1	PRODUCTION	AAT	04-12-97

NOTES

1. RESISTORS MARKED # ARE 1%
   ALL OTHERS ARE 5% 1/4W UNLESS OTHERWISE MARKED
2. ELECTROLYTIC CAPACITORS ARE µF/VOLTS

UNIT TITLE: 2E4

DRAWING TITLE: SYSLINK PCB

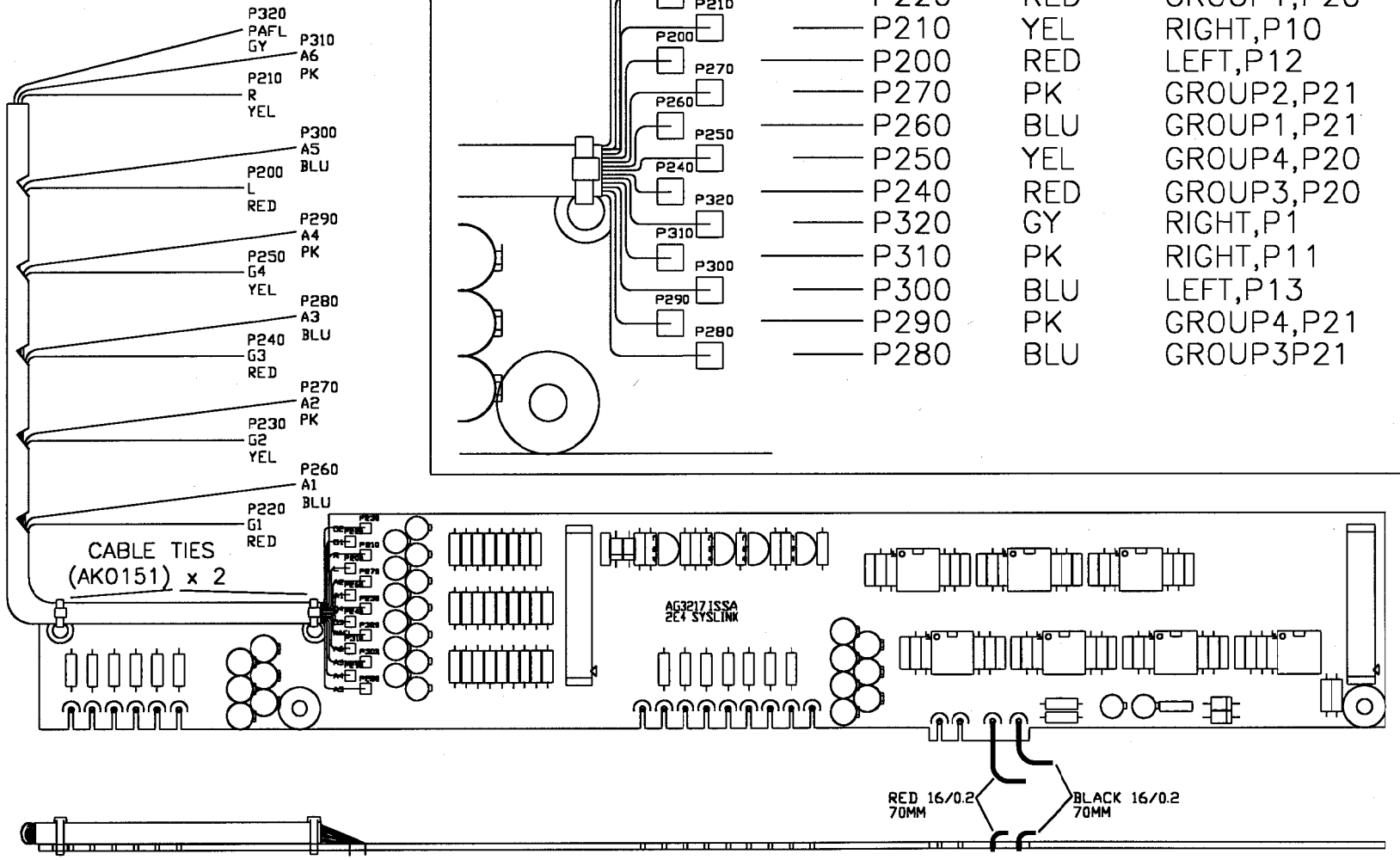
PCB TYPE AG3217

MANUFACTURED IN ENGLAND BY

ALLEN & HEATH

RG347

DRAWING No. C3217 ISSUE 1 A2



SYS-LINK WIRE PIN NO	COLOUR	GROUP,L,R PCB PIN NO	SIGNAL
P230	YEL	GROUP2,P20	G2
P220	RED	GROUP1,P20	G1
P210	YEL	RIGHT,P10	R
P200	RED	LEFT,P12	L
P270	PK	GROUP2,P21	A2
P260	BLU	GROUP1,P21	A1
P250	YEL	GROUP4,P20	G4
P240	RED	GROUP3,P20	G3
P320	GY	RIGHT,P1	PAFL
P310	PK	RIGHT,P11	A6
P300	BLU	LEFT,P13	A5
P290	PK	GROUP4,P21	A4
P280	BLU	GROUP3P21	A3

ISSUE	REVISION	BY	DATE
A	ORIGIN	AAT	01-09-97
1	PRODUCTION	DWD	09-12-97

NOTES
ALL DIMENSIONS IN mm
UNLESS OTHERWISE STATED
REMOVE ALL SHARP EDGES
THIRD ANGLE PROJECTION

DRAWING TITLE 2E4 SYS-LINK PCB/WFM ASSY

STOCK CODE M002-335

ALLEN & HEATH
KERNICK INDUSTRIAL ESTATE
PENRYN CORNWALL TR10 9LU
TEL 01326 372070
FAX 01326 375736

DRAWING No M002-335 SHEET ISSUE 1 A3

MixWizard**14:4:2 BLOCK DIAGRAM

