

## AG5397\_2\_004\_163\_W414\_left

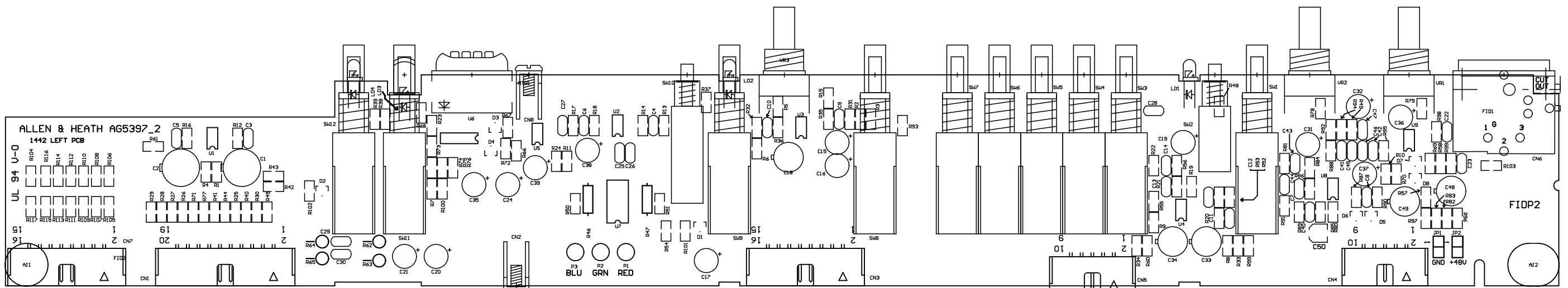
Designator	Description	A&H PART
C1	CAPACITOR ELECTROLYTIC 1000uF 6.3V (AF8123)	AF8123
C2	CAPACITOR ELECTROLYTIC 1000uF 6.3V (AF8123)	AF8123
C3	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C4	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C5	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C6	CAPACITOR CERAMIC SMD0805 33P (AF4887)	AF4887
C7	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C8	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C9	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C10	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C11	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C12	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C13	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C14	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C15	CAPACITOR ELECTROLYTIC 330uF 25V (AF0227)	AF0227
C16	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C17	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C18	CAPACITOR ELECTROLYTIC 330uF 25V (AF0227)	AF0227
C19	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C20	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C21	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C22	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C23	CAPACITOR CERAMIC SMD0805 22P (AF2992)	AF2992
C24	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C25	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C26	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C27	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C28	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C29	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C30	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C31	CAPACITOR ELECTROLYTIC 10uF 50V (AF0214)	AF0214
C32	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C33	CAPACITOR ELECTROLYTIC 100uF 25V (AF0221)	AF0221
C34	CAPACITOR ELECTROLYTIC 100uF 25V (AF0221)	AF0221
C35	CAPACITOR ELECTROLYTIC 1uF 63V (AF0210)	AF0210
C36	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C37	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C38	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C39	CAPACITOR ELECTROLYTIC 47uF 25V (AF0208)	AF0208
C40	CAPACITOR CERAMIC SMD0805 100N 50V (AF2851)	AF2851
C41	CAPACITOR CERAMIC SMD0805 NOT FITTED	NO PART
C42	CAPACITOR CERAMIC SMD0805 47N (AF4889)	AF4889
C43	CAPACITOR CERAMIC SMD0805 1N0 (AF5040)	AF5040
C44	CAPACITOR CERAMIC SMD0805 1N0 (AF5040)	AF5040
C45	CAPACITOR CERAMIC SMD0805 NOT FITTED	NO PART
C46	CAPACITOR CERAMIC SMD0805 22N (AF5035)	AF5035
C47	CAPACITOR CERAMIC SMD0805 10N 50V (AF2849)	AF2849
C48	CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	AF0217

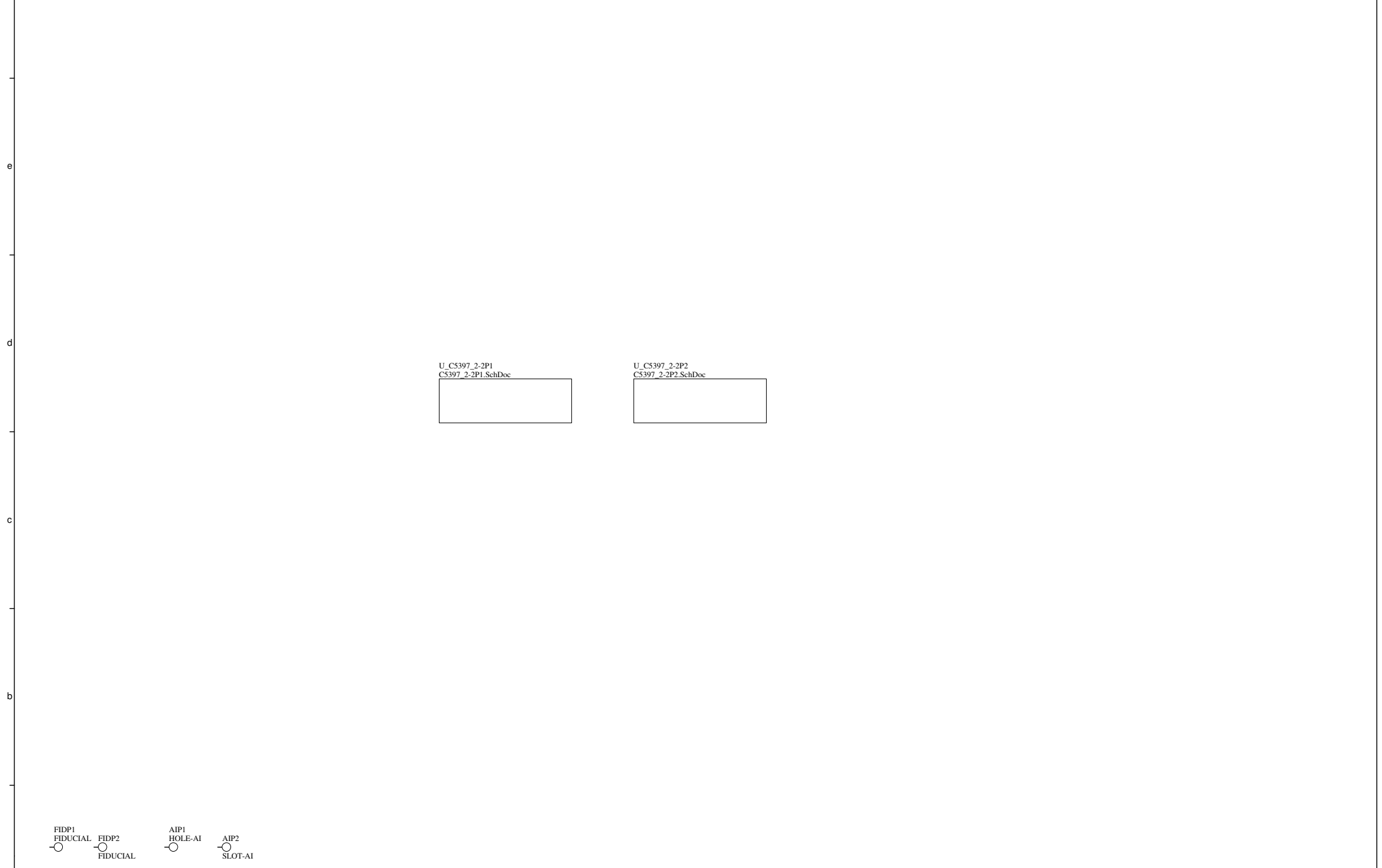
C49	CAPACITOR ELECTROLYTIC 47uF 63V (AF0217)	AF0217
C50	CAPACITOR ELECTROLYTIC SMD 10uF 16V (AF5235)	AF5235
CN1	Connector IDC,Molex Type 0.1" Pitch 10x2 pins (AL4336)	AL4336
CN2	EARTH SCREW TERMINAL NARROW HORIZONTAL TYPE+ SCREW M3 (AA9000)	AA9000
CN3	Connector IDC,Molex Type 0.1" Pitch 8x2 pins (AL4335)	AL4335
CN4	Connector BOX,Molex Type 0.1" Pitch 5x2 pins Male 90 Deg (AL4334)	AL4334
CN5	Connector BOX,Molex Type 0.1" Pitch 5x2 pins Male 90 Deg (AL4334)	AL4334
CN6	XLR 3 PIN FEMALE WITH GROUND (AL2412)	AL2412
CN7	Connector IDC,Molex Type 0.1" Pitch 8x2 pins (AL4335)	AL4335
CN8	EARTH SCREW TERMINAL NARROW HORIZONTAL TYPE+ SCREW M3 (AA9000)	AA9000
D1	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D2	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D3	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D4	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D5	TRANSISTOR PNP DARLINGTON BCV26 (AE3493)	AE3493
D6	TRANSISTOR PNP DARLINGTON BCV26 (AE3493)	AE3493
D7	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
D8	DIODE SIGNAL SMD BAS16 (AE3352)	AE3352
JP1	JUMP 2 OPTION LINK (AL8068)	AL8068
JP2	JUMP 2 OPTION LINK (AL8068)	AL8068
JP3	JUMP 2 OPTION JUMPER (AL0334)	AL0334
LD1	LED T1 3mm YELLOW (AE0084)	AE0084
LD2	LED T1 3mm YELLOW (AE0084)	AE0084
LD3	LED RECT 5x2.5MM TOMBSTONE RED (AE4863)	AE4863
LD4	LED T1 3mm YELLOW (AE0084)	AE0084
MTR1	LED BAR 4 TOMB LEDS IN HOUSING 2G 1Y 1R (AE5475)	AE5475
R1	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R2	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R3	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R4	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R5	RESISTOR METAL FILM SMD0805 33K 1% (AC3532)	AC3532
R6	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R7	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R8	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R9	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R10	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R11	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035
R12	RES SMD 15K 1% 0805 METAL FILM AC5050	AC5050
R13	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R14	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R15	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R16	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R17	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R18	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R19	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R20	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R21	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R22	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R23	RESISTOR CARBON SMD0805 2K7 5% (AC4698)	AC4698
R24	RESISTOR CARBON SMD0805 47K 5% (AC3035)	AC3035

R25	RES SMD 15K 1% 0805 METAL FILM AC5050	AC5050
R26	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)	AC0377
R27	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)	AC0377
R28	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)	AC0377
R29	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)	AC0377
R30	RES SMD 15K 1% 0805 METAL FILM AC5050	AC5050
R31	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)	AC0370
R32	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)	AC0370
R33	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)	AC0370
R34	RESISTOR METAL FILM SMD0805 2K2 1% (AC0370)	AC0370
R35	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R36	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R37	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R38	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R39	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R40	RES SMD 15K 1% 0805 METAL FILM AC5050	AC5050
R41	RES SMD 15K 1% 0805 METAL FILM AC5050	AC5050
R42	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)	AC0377
R43	RESISTOR METAL FILM SMD0805 18K 1% (AC0377)	AC0377
R44	RES SMD 15K 1% 0805 METAL FILM AC5050	AC5050
R45	RES SMD 15K 1% 0805 METAL FILM AC5050	AC5050
R46	RESISTOR CARBON 68R 1/4W 5% (AC0007)	AC0007
R47	RESISTOR CARBON 68R 1/4W 5% (AC0007)	AC0007
R48	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	AC3061
R49	RESISTOR METAL FILM SMD0805 3K3 1% (AC3061)	AC3061
R50	RESISTOR CARBON SMD0805 68R 5% (AC4101)	AC4101
R51	RESISTOR CARBON SMD0805 68R 5% (AC4101)	AC4101
R52	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R53	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R54	RESISTOR CARBON SMD0805 68R 5% (AC4101)	AC4101
R55	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R56	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R57	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R58	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R59	RESISTOR CARBON SMD0805 47R 5% (AC3036)	AC3036
R60	RESISTOR CARBON SMD0805 47R 5% (AC3036)	AC3036
R61	RESISTOR SMD NOT FITTED 0805	NO PART
R62	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R63	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R64	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R65	RESISTOR CARBON 10R PRE FORMED RADIAL 1/4W 5% (AC5077)	AC5077
R66	RESISTOR CARBON SMD0805 56K 5% (AC4545)	AC4545
R67	RESISTOR METAL FILM SMD0805 120K 1% (AC5109)	AC5109
R68	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R69	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R70	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R71	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R72	RESISTOR CARBON SMD0805 1K8 5% (AC3029)	AC3029
R73	RESISTOR METAL FILM SMD0805 4K7 1% (AC3062)	AC3062
R74	RESISTOR METAL FILM SMD0805 1K2 1% (AC3059)	AC3059

R75	RESISTOR METAL FILM SMD0805 1K0 1% (AC0369)	AC0369
R76	RESISTOR METAL FILM SMD0805 120R 1% (AC3055)	AC3055
R77	RESISTOR METAL FILM SMD0805 10K 1% (AC2841)	AC2841
R78	RESISTOR METAL FILM SMD0805 100R 1% (AC3054)	AC3054
R79	RESISTOR CARBON SMD0805 47R 5% (AC3036)	AC3036
R80	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	AC2843
R81	RESISTOR METAL FILM SMD0805 330K 1% (AC3087)	AC3087
R82	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R83	RESISTOR METAL FILM SMD0805 6K8 1% (AC3064)	AC3064
R84	RESISTOR CARBON SMD0805 220R 5% (AC0368)	AC0368
R85	RESISTOR METAL FILM SMD0805 1K0 1% (AC0369)	AC0369
R86	RESISTOR CARBON SMD0805 220K 5% (AC4108)	AC4108
R87	RESISTOR CARBON SMD0805 220K 5% (AC4108)	AC4108
R88	RESISTOR CARBON SMD0805 27K 5% (AC4693)	AC4693
R89	RESISTOR CARBON SMD0805 270K 5% (AC5543)	AC5543
R90	RESISTOR CARBON SMD0805 270K 5% (AC5543)	AC5543
R91	RESISTOR METAL FILM SMD0805 150K 1% (AC5414)	AC5414
R92	RESISTOR SMD NOT FITTED 0805	NO PART
R93	RESISTOR CARBON SMD0805 15K 5% (AC3486)	AC3486
R94	RESISTOR SMD NOT FITTED 0805	NO PART
R95	RESISTOR METAL FILM SMD0805 1M0 1% (AC2904)	AC2904
R96	RESISTOR CARBON SMD0805 10R 5% (AC3027)	AC3027
R97	RESISTOR CARBON SMD0805 10R 5% (AC3027)	AC3027
R98	RESISTOR CARBON SMD0805 22K 5% (AC3540)	AC3540
R99	RESISTOR CARBON SMD0805 22K 5% (AC3540)	AC3540
R100	RESISTOR CARBON SMD0805 0R0 5% (AC2838)	AC2838
R101	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	AC2843
R102	RESISTOR METAL FILM SMD0805 100K 1% (AC2843)	AC2843
R103	RESISTOR METAL FILM SMD0805 100R 1% (AC3054)	AC3054
R104	RESISTOR SMD NOT FITTED 0805	NO PART
R105	RESISTOR SMD NOT FITTED 0805	NO PART
R106	RESISTOR SMD NOT FITTED 0805	NO PART
R107	RESISTOR SMD NOT FITTED 0805	NO PART
R108	RESISTOR SMD NOT FITTED 0805	NO PART
R109	RESISTOR SMD NOT FITTED 0805	NO PART
R110	RESISTOR SMD NOT FITTED 0805	NO PART
R111	RESISTOR SMD NOT FITTED 0805	NO PART
R112	RESISTOR SMD NOT FITTED 0805	NO PART
R113	RESISTOR SMD NOT FITTED 0805	NO PART
R114	RESISTOR SMD NOT FITTED 0805	NO PART
R115	RESISTOR SMD NOT FITTED 0805	NO PART
R116	RESISTOR SMD NOT FITTED 0805	NO PART
R117	RESISTOR SMD NOT FITTED 0805	NO PART
SW1	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
SW2	SWITCH DPDT ALPS (SPUJ) LATCHING (AL8065)	AL8065
SW3	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
SW4	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
SW5	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
SW6	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
SW7	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162

SW8	SWITCH DPDT ALPS (SPUN) MOMENTARY (AL0374)	AL0374
SW9	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
SW10	SWITCH 4PDT ALPS (SPUJ) LATCHING (AL5316)	AL5316
SW11	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
SW12	SWITCH DPDT ALPS (SPUN) LATCHING (AL0162)	AL0162
U1	IC SMD DUAL OP-AMP NE5532 (AE4699)	AE4699
U2	IC SMD DUAL OP-AMP RC4580 (AE8921)	AE8921
U3	IC SMD DUAL OP-AMP RC4580 (AE8921)	AE8921
U4	IC SMD DUAL OP-AMP RC4580 (AE8921)	AE8921
U5	IC SMD DUAL OP-AMP RC4580 (AE8921)	AE8921
U6	IC LM339 COMPARATOR SMD (AE4890)	AE4890
U7	BALANCED DRIVER (SOCKET FITTED AL0013)	NO PART
U8	IC SMD DUAL OP-AMP TL072 (AE3335)	AE3335
U9	IC SMD DUAL OP-AMP TL072 (AE3335)	AE3335
VR1	POT ALPS 11mm 5KRD 502RD (AI8111)	AI8111
VR2	POT ALPS 11mm 5KRD 502RD (AI8111)	AI8111
VR3	POT ALPS 11mm 20KK 203K (AI8003)	AI8003





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U\_C5397\_2-2P2  
C5397\_2-2P2.SchDoc

FIDP1 FIDUCIAL FIDP2 FIDUCIAL AIP1 HOLE-AI AIP2 SLOT-AI

**ALLEN&HEATH**

Kernick Industrial Estate,  
Penryn, Cornwall,  
England. TR10 9LU

Tel: +44 (0)8707 556250  
Fax: +44 (0)8707 556251

ISSUE	BY	DATE	CHK BY
2.2	NB	11FEB11	

BO1 -○ PCB BREAKOUT S	BO4 -○ PCB BREAKOUT S	BO1_1 -○ PCB BREAKOUT S	BO4_1 -○ PCB BREAKOUT S	BO1_2 -○ PCB BREAKOUT S	BO4_2 -○ PCB BREAKOUT S	BO1_3 -○ PCB BREAKOUT S	BO4_3 -○ PCB BREAKOUT S
BO2 -○ PCB BREAKOUT S	BO5 -○ PCB BREAKOUT S	BO2_1 -○ PCB BREAKOUT S	BO5_1 -○ PCB BREAKOUT S	BO2_2 -○ PCB BREAKOUT S	BO5_2 -○ PCB BREAKOUT S	BO2_3 -○ PCB BREAKOUT S	BO5_3 -○ PCB BREAKOUT S
BO3 -○ PCB BREAKOUT S		BO3_1 -○ PCB BREAKOUT S		BO3_2 -○ PCB BREAKOUT S		BO3_3 -○ PCB BREAKOUT S	

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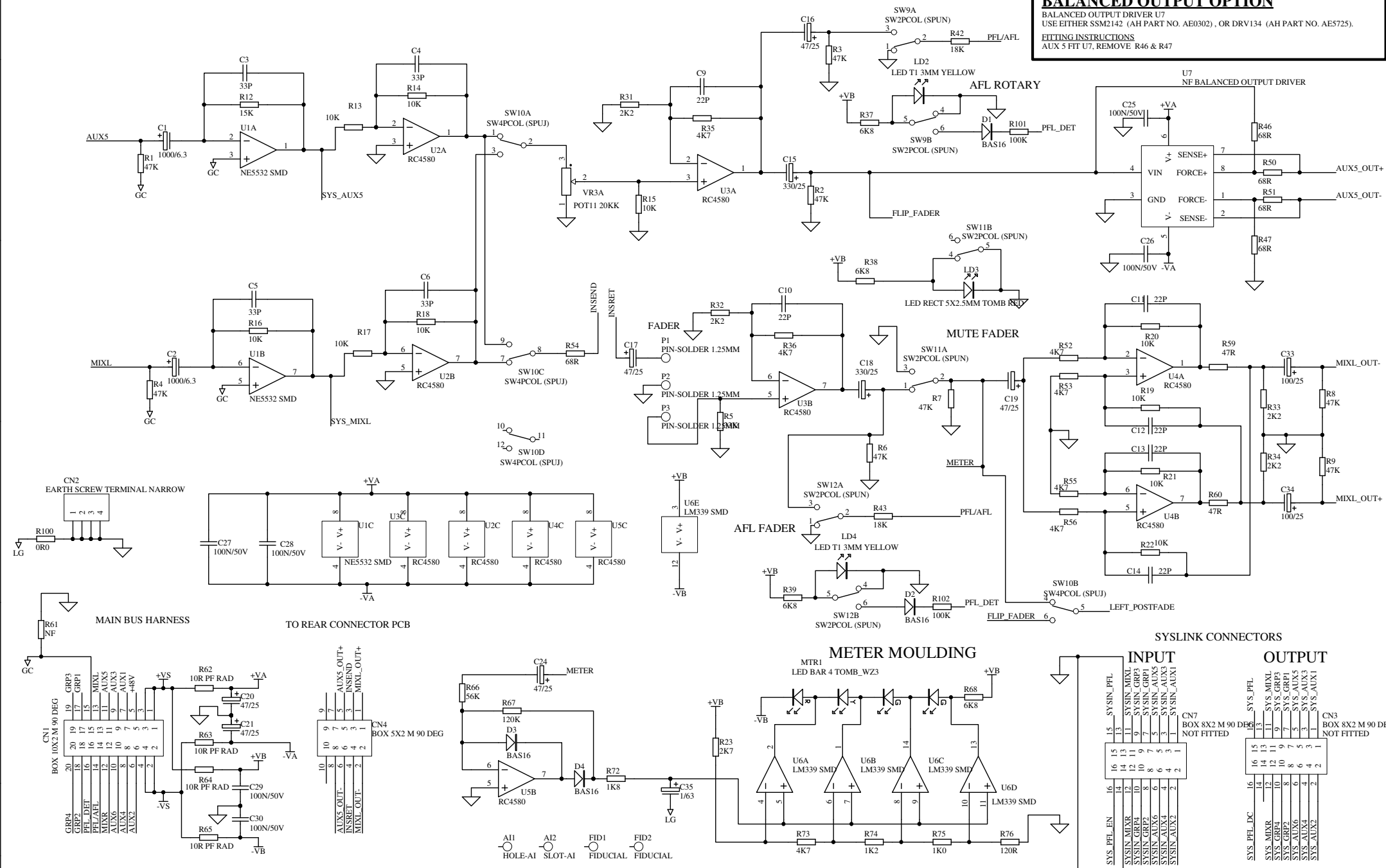
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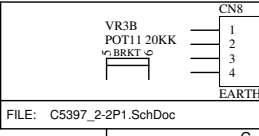
H

**BALANCED OUTPUT OPTION**  
 BALANCED OUTPUT DRIVER U7  
 USE EITHER SSM2142 (AH PART NO. AE0302), OR DRV134 (AH PART NO. AE5725).  
**FITTING INSTRUCTIONS**  
 AUX 5 FIT U7. REMOVE R46 & R47



**ALLEN & HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

ISSUE	BY	DATE	CHK BY
2.2	NB	11FEB11	



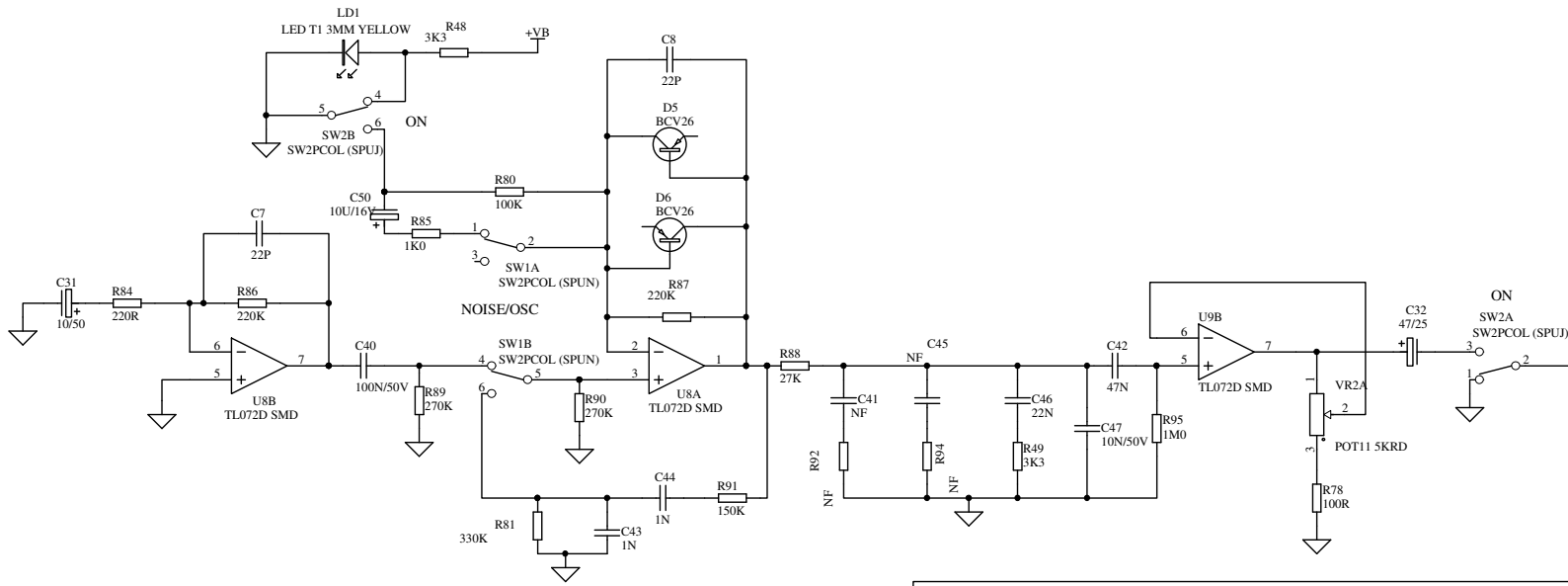
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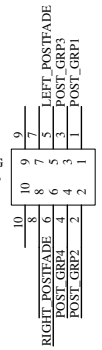
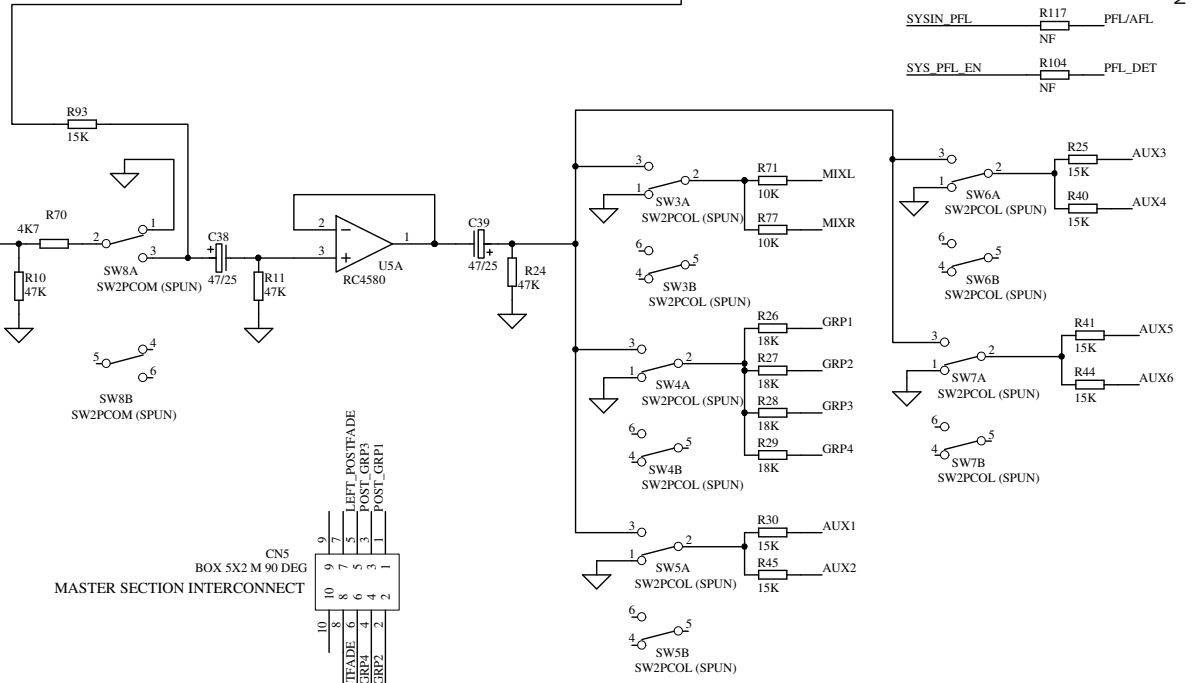
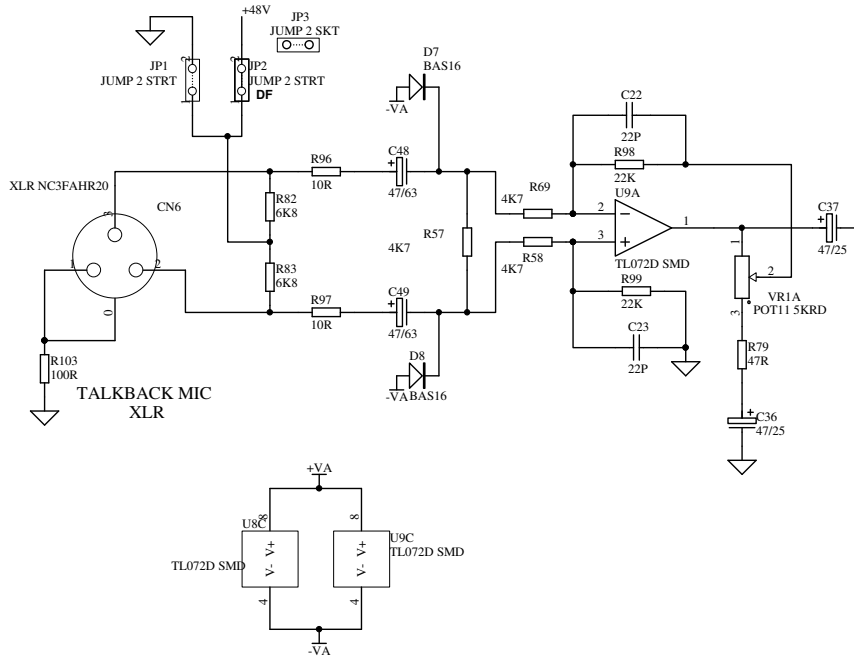
A B C D E F G H





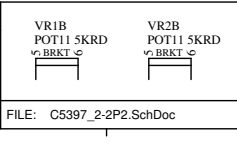
- SYSIN\_AUX1 R105 AUX1 NF
- SYSIN\_AUX2 R106 AUX2 NF
- SYSIN\_AUX3 R107 AUX3 NF
- SYSIN\_AUX4 R108 AUX4 NF
- SYSIN\_AUX5 R109 AUX5 NF
- SYSIN\_AUX6 R110 AUX6 NF
- SYSIN\_GRP1 R111 GRP1 NF
- SYSIN\_GRP2 R112 GRP2 NF
- SYSIN\_GRP3 R113 GRP3 NF
- SYSIN\_GRP4 R114 GRP4 NF
- SYSIN\_MIXL R115 MIXL NF
- SYSIN\_MIXR R116 MIXR NF
- SYSIN\_PFL R117 PFL/AFL NF
- SYS\_PFL\_EN R104 PFL\_DET NF

NOT FITTED



**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

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d  
c  
b  
a

A B C D E F G H