

# ALLEN & HEATH



# **Xone:3D**

## SERVICE MANUAL

Publication AP6389

## **Limited One Year Warranty**

This product is warranted to be free from defects in materials or workmanship for period of one year from the date of purchase by the original owner.

To ensure a high level of performance and reliability for which this equipment has been designed and manufactured, read this User Guide before operating. In the event of a failure, notify and return the defective unit to ALLEN & HEATH Limited or its authorised agent as soon as possible for repair under warranty subject to the following conditions

### **Conditions Of Warranty**

The equipment has been installed and operated in accordance with the instructions in this User Guide.

The equipment has not been subject to misuse either intended or accidental, neglect, or alteration other than as described in the User Guide or Service Manual, or approved by ALLEN & HEATH.


Any necessary adjustment, alteration or repair has been carried out by ALLEN & HEATH or its authorised agent.

This warranty does not cover fader wear and tear.

The defective unit is to be returned carriage prepaid to ALLEN & HEATH or its authorised agent with proof of purchase.

Units returned should be packed to avoid transit damage.

In certain territories the terms may vary. Check with your ALLEN & HEATH agent for any additional warranty which may apply.

 This product complies with the European Electro magnetic Compatibility directives 89/336/EEC & 92/31/EEC and the European Low Voltage Directives 73/23/EEC & 93/68/EEC.

This product has been tested to EN55103 Parts 1 & 2 1996 for use in Environments E1, E2, E3, and E4 to demonstrate compliance with the protection requirements in the European EMC directive 89/336/EEC. During some tests the specified performance figures of the product were affected. This is considered permissible and the product has been passed as acceptable for its intended use. Allen & Heath has a strict policy of ensuring all products are tested to the latest safety and EMC standards. Customers requiring more information about EMC and safety issues can contact Allen & Heath.

XONE:3D Service Manual AP6389 Issue 1

Copyright © 2006 Allen & Heath Limited. All rights reserved

Allen & Heath Limited

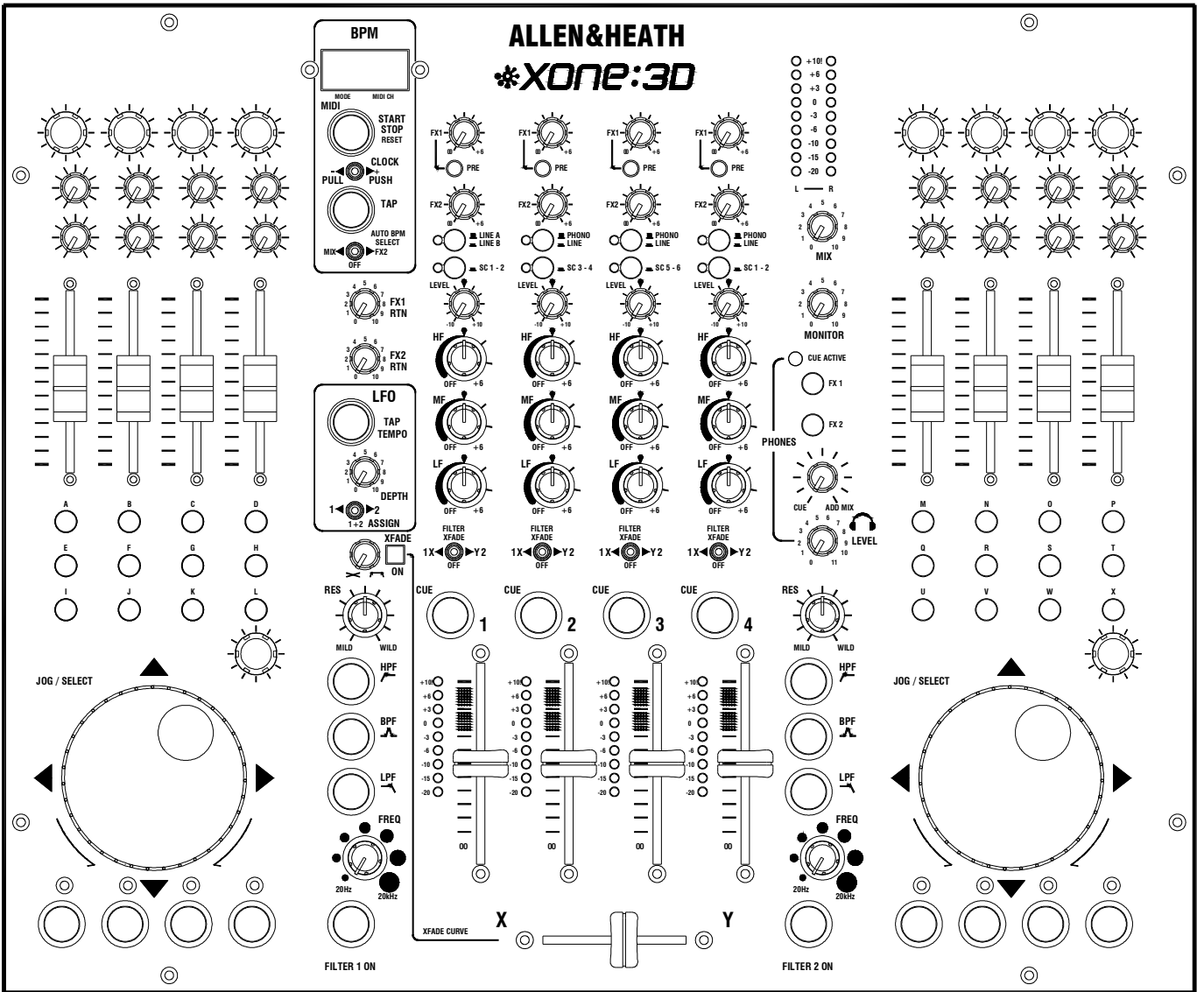
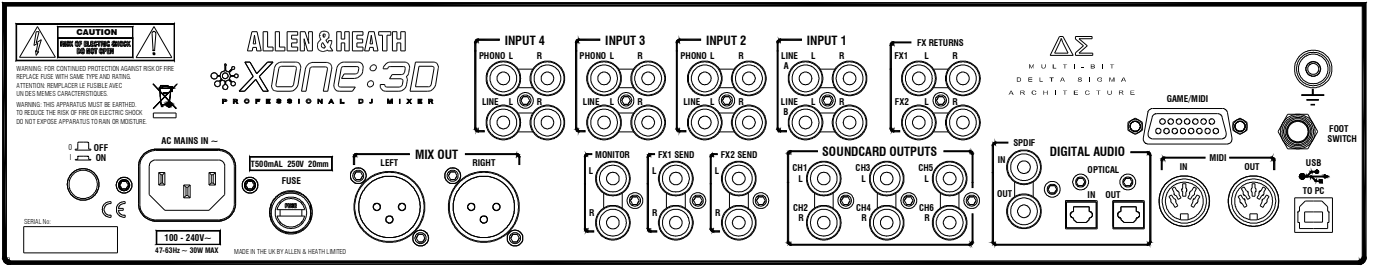
Kernick Industrial Estate, Penryn, Cornwall, TR10 9LU, UK

<http://www.allen-heath.com> <http://www.xone.co.uk>



## Servicing Precautions – General Notes

- Service personnel:** Service work should be carried out by technically qualified service personnel only. Mains power is dangerous and can kill. Do not attempt to work on a linear or switched mode power supply if you are not suitably qualified to do so. Do not attempt to repair surface mount circuit assemblies unless you are suitably qualified and have the necessary facilities to do so. Replacement circuit assemblies can be ordered.
- Service facilities:** Ensure a suitably sized work surface is available. Ensure this is clear of dirt, debris and obstructions which may damage the equipment surfaces. Ensure adequate lighting. Use the correct tools for the job and ensure they are in good working order. Ensure all workshop safety requirements are adhered to.
- Service information:** Check that you have all the information you need before starting the service job. Refer to the Allen & Heath web site or contact Allen & Heath technical support for details on the latest information. Full technical information can be downloaded from the web site Distributor Zone (password required).
- Mains power:** Connect the equipment to mains power only of the type described in the user guide and marked on the rear panel. The power source must provide a good ground connection. Ensure you always use an isolation transformer when working on any mains power supply unit.
- Mains cord and fuse:** Use the correct power cord as supplied with the equipment. Do not remove or tamper with the ground connection in the power cord. Heed the Important Mains Plug Wiring Instructions printed in the user guide if it is necessary to rewire the mains cord. Always replace the equipment mains fuse with the correct type and rating as described in the user guide and marked on the equipment panel.
- Opening the unit:** Switch off and remove the mains power cord before opening the equipment. Ensure all power supply covers and safety shields are in place before applying power with the unit open for diagnostic fault finding.
- Closing the unit:** Before finishing, check the quality and accuracy of the service work carried out. Remove any dirt or debris as this may cause equipment failure in the future. Ensure all assemblies, harnesses and connectors are correctly aligned and plugged in. Ensure that jumper settings and control configurations are correctly set according to the requirements of the customer.
- Testing the unit:** Before operating the equipment, read and adhere to the Important Safety Instructions printed in the user guide. Test that the service work has been successfully carried out.
- Shipping the unit:** Use adequate packing such as the original packaging or purpose designed flight case if you need to ship the unit. To avoid injury to yourself or damage to the equipment take care when lifting, moving or carrying the equipment.



# EARTHING

The connection to earth (ground) in an audio system is important for two reasons:



**SAFETY** - To protect the operator from high voltage electric shock, and

**AUDIO PERFORMANCE** - To minimise the effect of earth (ground) loops which result in audible hum and buzz, and to shield the audio signals from interference.

For safety it is important that all equipment earths are connected to mains earth so that exposed metal parts are prevented from carrying high voltage which can injure or even kill the operator. It is recommended that a qualified system engineer check the continuity of the safety earth from all points in the system including microphone bodies, turntable chassis, equipment cases, and so on.

The same earth is also used to shield audio cables from external interference such as the hum fields associated with power transformers, lighting dimmer buzz, and computer radiation. Problems arise when the signal sees more than one path to mains earth. An 'earth loop' (ground loop) results causing current to flow between the different earth paths. This condition is usually detected as a mains frequency audible hum or buzz.

To ensure safe and trouble-free operation we recommend the following:

**Have your mains system checked by a qualified electrician.** If the supply earthing is solid to start with you are less likely to experience problems.

**Do not remove the earth connection from the console mains plug.** The console chassis is connected to mains earth through the power cable to ensure your safety. Audio 0V is connected to the console chassis internally. If problems are encountered with earth loops operate the audio 'ground lift' switches on connected equipment accordingly, or disconnect the cable screens at one end, usually at the destination.

**Make sure that turntables are correctly earthed.** A chassis earth terminal is provided on the console rear panel to connect to turntable earth straps.

**Use low impedance sources** such as microphones and line level equipment rated at 200 ohms or less to reduce susceptibility to interference. The console outputs are designed to operate at very low impedance to minimise interference problems.

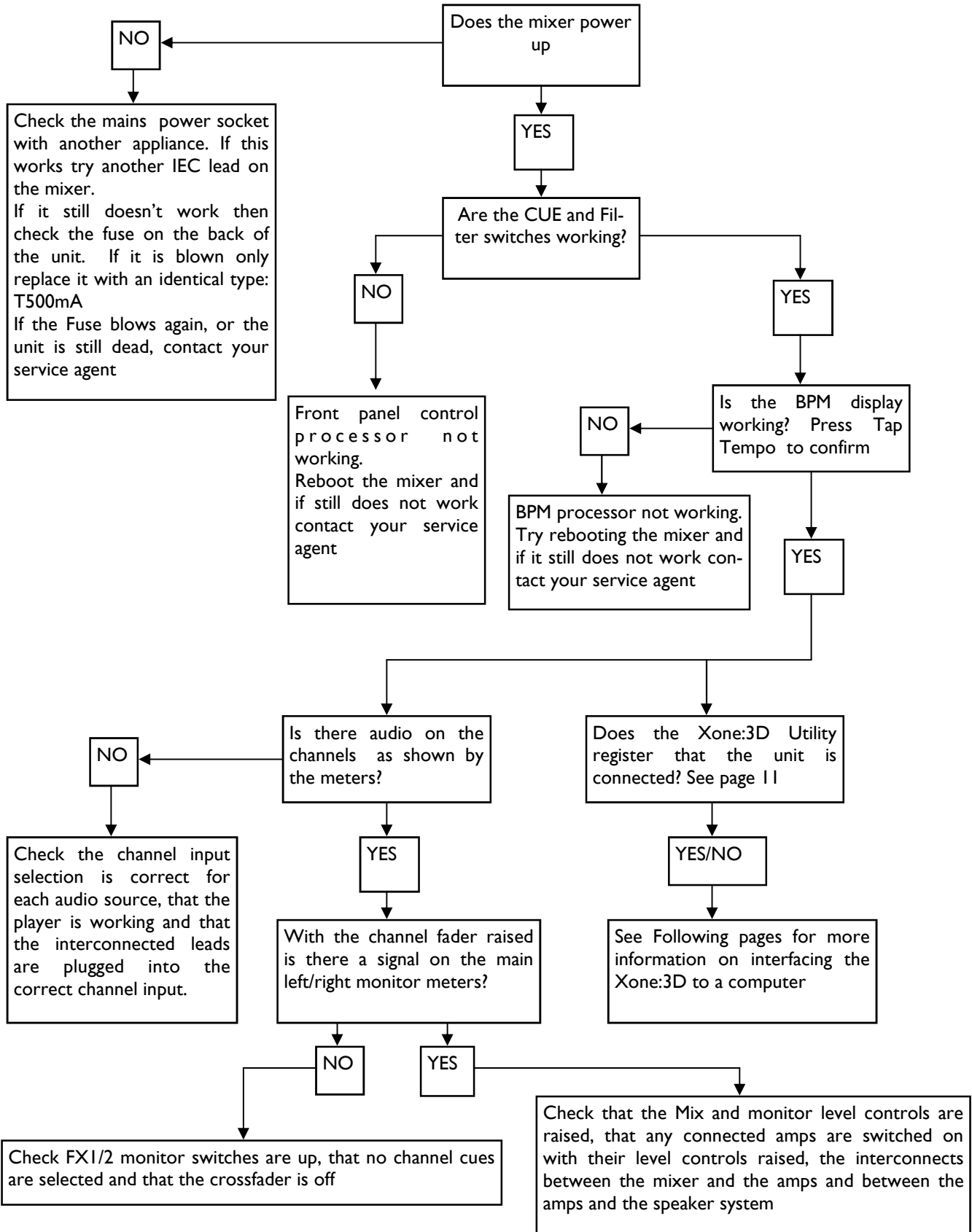
**Use balanced connections for microphones and mix output** as these provide further immunity by cancelling out interference that may be picked up on long cable runs. To connect an unbalanced source to a balanced console input, link the cold input (XLR pin 3 or jack ring) to 0V earth (XLR pin 1 or jack sleeve) at the console. To connect a balanced XLR output to unbalanced equipment, link the cold output to 0V earth at the console.

**Use good quality cables and connectors** and check for correct wiring and reliable solder joints. Allow sufficient cable loop to prevent damage through stretching.

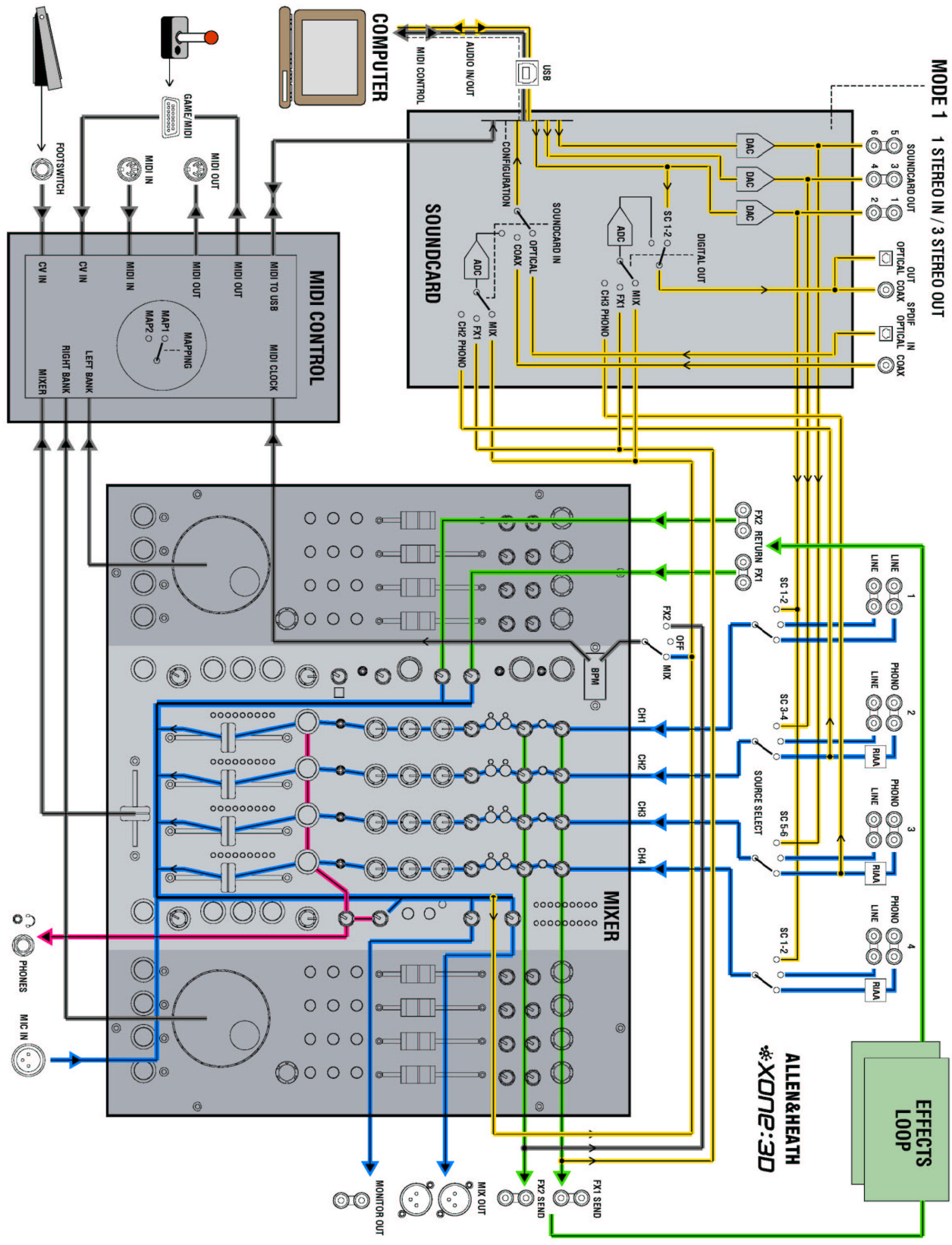
**If you are not sure ...** Contact your service agent or local Allen & Heath dealer for advice.

# MIXER TROUBLESHOOTING

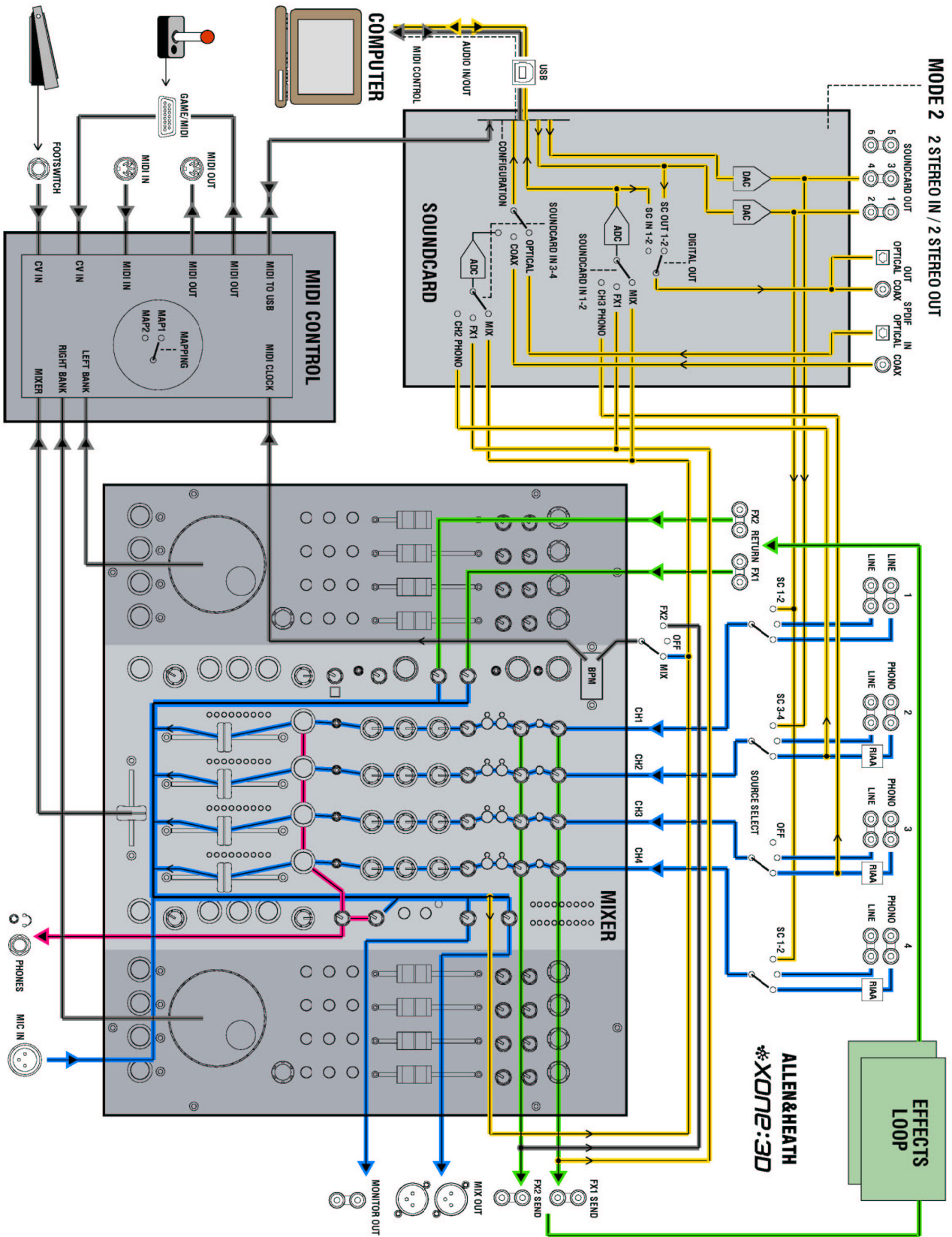
If things don't seem to be working properly the first thing is not to panic. It is very easy to overlook a simple error or obvious problem in the heat of the moment. Instead, work methodically through a few checks before deciding there is an actual problem.



**MODE 1 1 STEREO IN / 3 STEREO OUT**





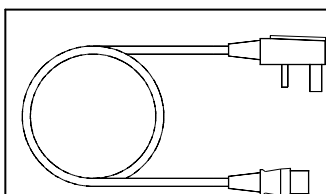




# PACKED ITEMS



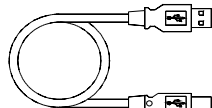
AP6388 USER GUIDE XONE:3D



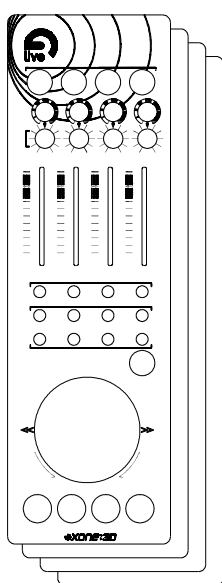
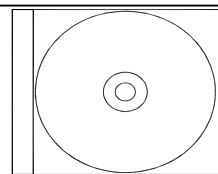
Mains Lead

- AH0205 \*MAINS LEAD IEC-2PIN EURO
- AH0323 \*MAINS LEAD IEC-3PIN C33 USA
- AH0206 \*MAINS LEAD IEC-3PIN UK 10AMP

AH6443 Type A-B USB Lead



AP6442 Xone:3D Utility CD including:  
ASIO drivers, Configuration Utility software,  
Ableton Live Lite 6 application.

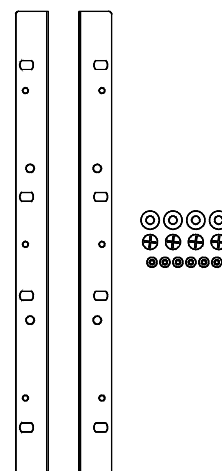


Software Overlay Sheets  
For Serial numbers starting X3D:  
003-536 Replacement Kit-  
AN6441 Ableton Live  
AN6442 Native Instruments Tractor

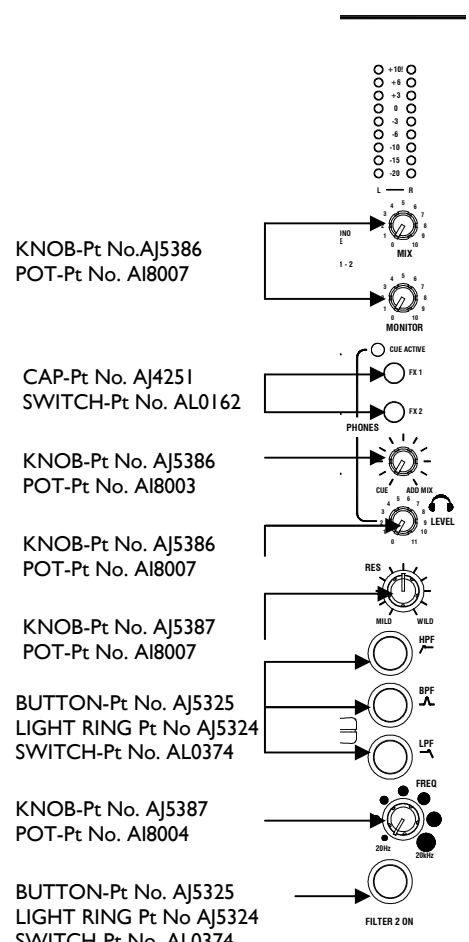
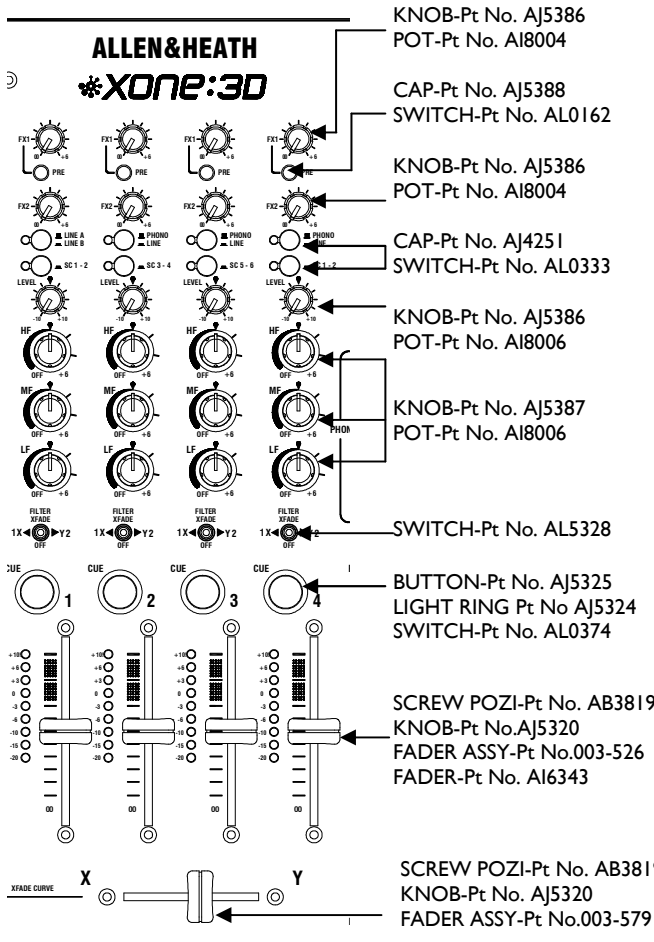
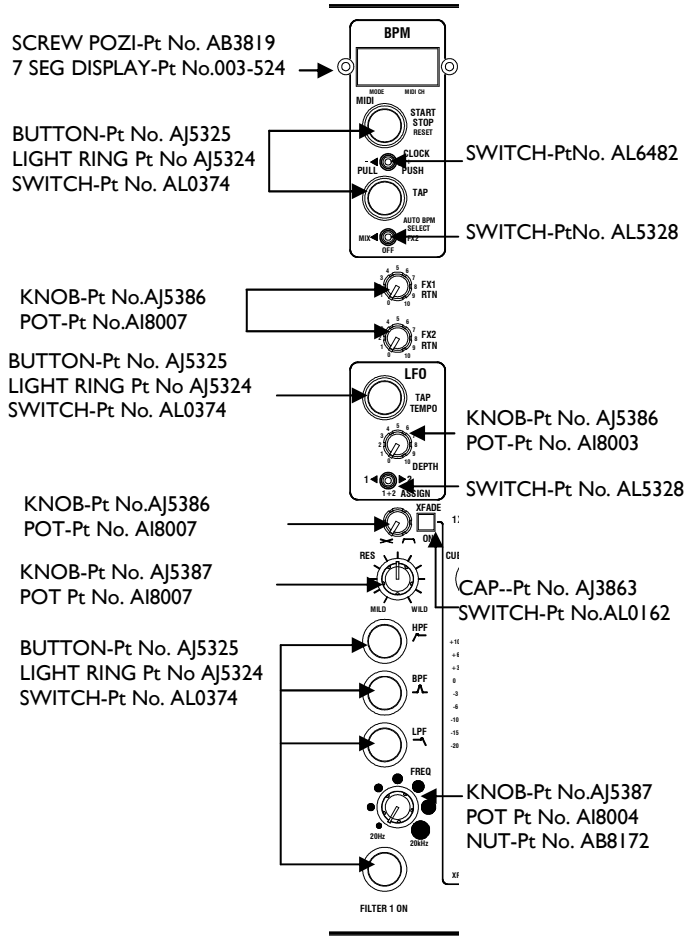
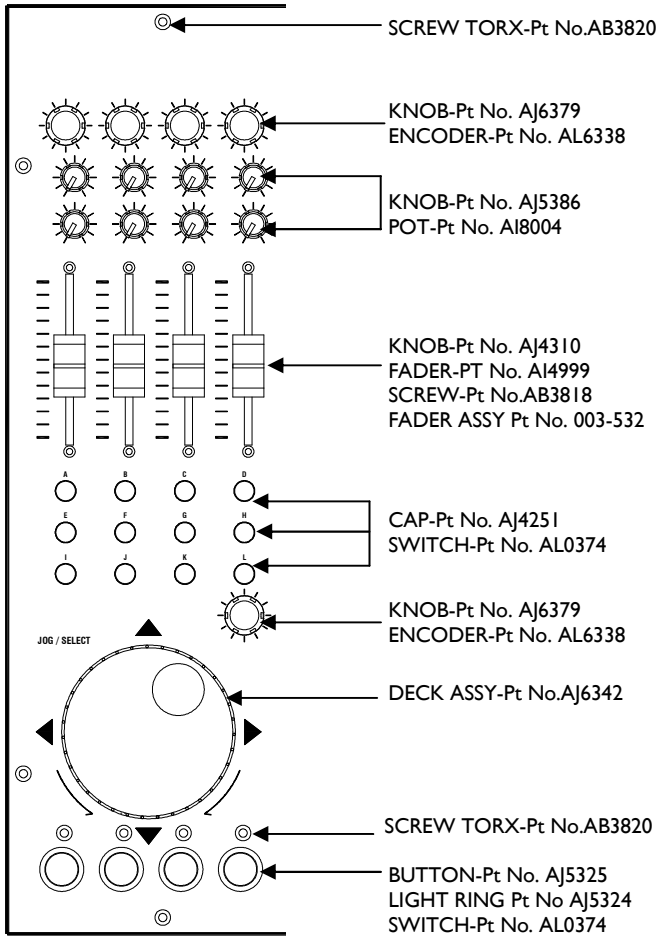
For Serial numbers starting X23D:  
003-704 Replacement Kit-  
AN6880 Ableton Live  
AN6881 Native Instruments Tractor

AA6553-L & AA6553-R  
Rack Ears.

AB5680 M4x10mm screws



AL6531 Optical in/out blank plugs





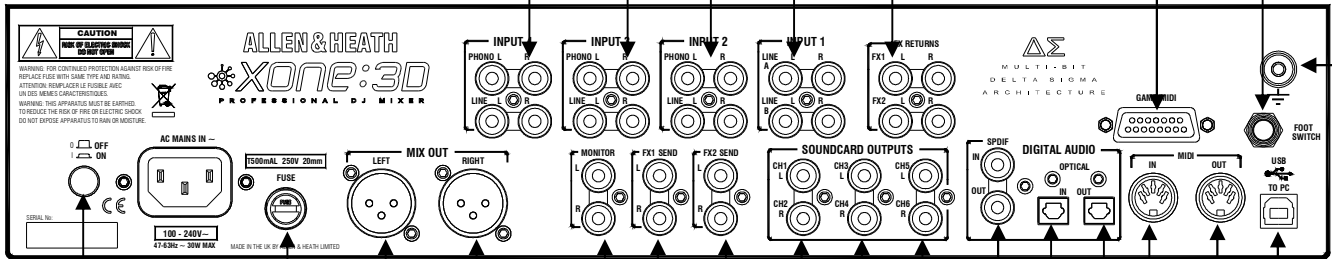
RCA PHONO PLUG SHORTING-  
Pt No. AL4396

TERMINAL POST-PT No  
AL8106

D TYPE CONNECTOR-  
Pt No. AL6351

QUAD RCA SOCKET-Pt No. AL497  
SCREW-Pt No. AB2771

JACK SOCKET-  
Pt No. AL0328



SWITCH CAP-Pt  
No AJ2887

XLR MALE SKT-Pt No. AL241 I  
SCREW-Pt No. AB2810

FUSE 20mm 500 mA-  
Pt No. AL3534

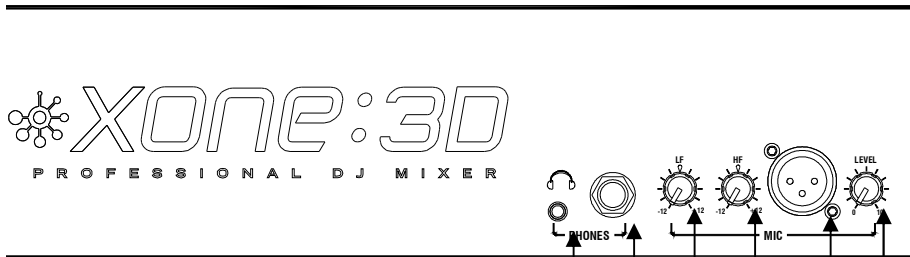
RCA DUAL VERTICAL SOCKET-  
Pt No. AL3753  
SCREW -Pt No. AB2771

PHONO DUAL  
SOCKET-Pt No.  
AL0566

OPTICAL IN SOCKET-  
Pt No. AE6096  
OPTICAL OUT SOCKET-  
Pt No. AE5899

USB SOCKET-  
Pt No. AL6096

OPTICAL IN/OUT BLANKING PLUG-  
Pt No. AL6531



JACK SOCKET-  
Pt No. AL5323

KNOB-Pt No.  
AJ4346  
POT-Pt No.  
AI8004

KNOB-Pt No.  
AJ4346  
POT-Pt No.  
AI8003

JACK SOCKET-  
Pt No. AL0328

XLR SOCKET-  
Pt No. AL2414  
SCREW-Pt No.

CONNECTING WIREFORMS USED IN CONSOLE

From	to
AL5904-	HEADPHONE ASSY
AL5904-	7 SEGMENT DISPLAY
AL5904-	ANALOGUE SLAVE ASSY
AL5904-	JOGWHEEL (L) ASSY
AL5904-	JOGWHEEL (R) ASSY
AL4606-	CONNECTOR ASSY
AL6407-	MIDI SLAVE (L) ASSY
AL6592-	MIDI CONTROL (R) ASSY
AL5485-	ANALOGUE SLAVE ASSY
AL6098-	GAMEPORT ASSY
AL3817-	LINEAR FADER ASSY'S
AL3817-	X FADER ASSY
AH2228	MIDI FADER ASSY'S
	MASTER ASSY
	USB CONTROL ASSY
	POWER SUPPLY ASSY
	MIDI SLAVE (L) ASSY
	MIDI SLAVE (R) ASSY
	MASTER ASSY
	USB CONTROL ASSY
	USB CONTROL ASSY
	USB CONTROL ASSY
	INPUT ASSY'S
	FILTER ASSY
	MIDI SLAVE ASSY'S

MASTER ASSY- Pt No. 003-522    INPUT ASSY- Pt No. 003521    FILTER ASSY- Pt No. 003-525    7 SEGMENT DISPLAY ASSY- Pt No. 003-695

CONTROL INPUT P ASSY - Pt No. 003-635

CONTROL INPUT P ASSY - Pt No. 003-635

MIDI SLAVE R ASSY- Pt No. 003-546

MIDI SLAVE L ASSY- Pt No. 003-523

MIDI FADER ASSY- Pt No. 003-532 (under midi slave assy)

MIDI FADER ASSY- Pt No. 003-532 (under midi slave assy)

JOGWHEEL ASSY- Pt No. 003-533

JOGWHEEL ASSY- Pt No. 003-533

CONTROL INPUT ASSY\_ Pt No.. 003-636

LINEAR FADER ASSY- Pt No. 003-526

X FADER ASSY- Pt No. 003-579

CONTROL INPUT ASSY\_ Pt No.. 003-636

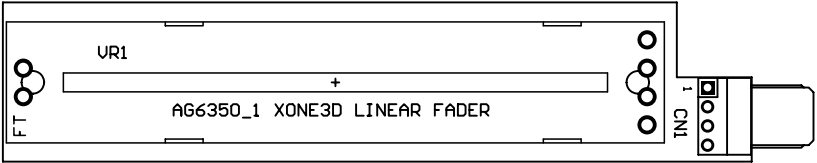
GAMEPORT ASSY- Pt No. 003-531

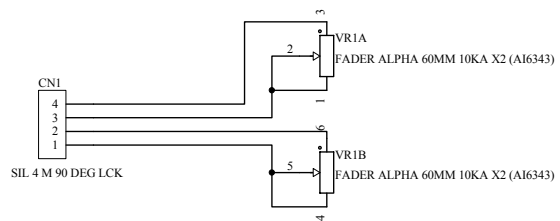
CONNECTOR ASSY- Pt No. 003-527

POWER SUPPLY ASSY- Pt No. 003-233

USB CONTROL ASSY- Pt No. 003-528

HEADPHONE SOCKET ASSY- Pt No. 003-530





**ALLEN&HEATH**

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

Tel: +44 (0)1326 372070  
Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY
1	ARJ	13-10-05	

FILE: C6350\_1 LINEAR FADER.Sch

PRINTED: 15:54:20 18-Apr-2007

TITLE: XONE 3D CHANNEL FADER

PAGE:

DRG No: C6350 ISSUE: I SHEET: 1 OF 1

A

I

B

C

D

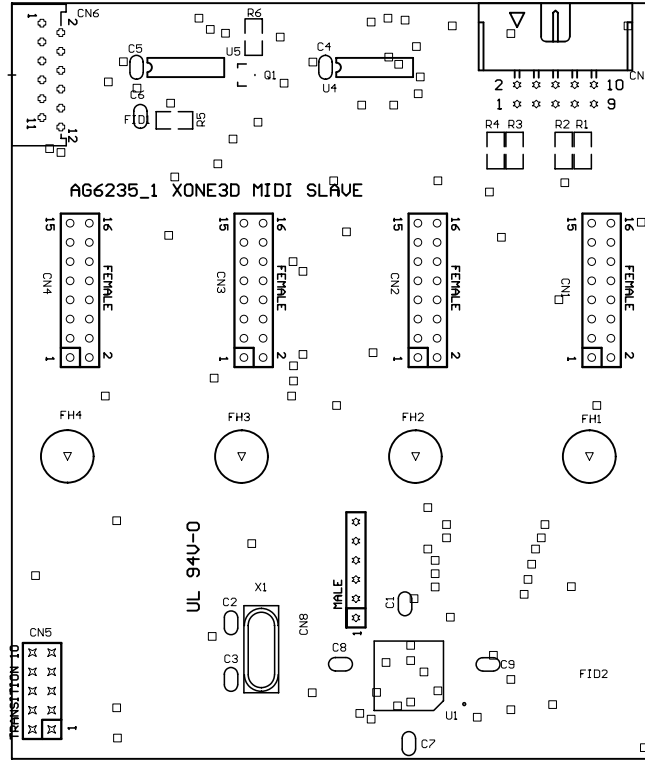
E

F

G

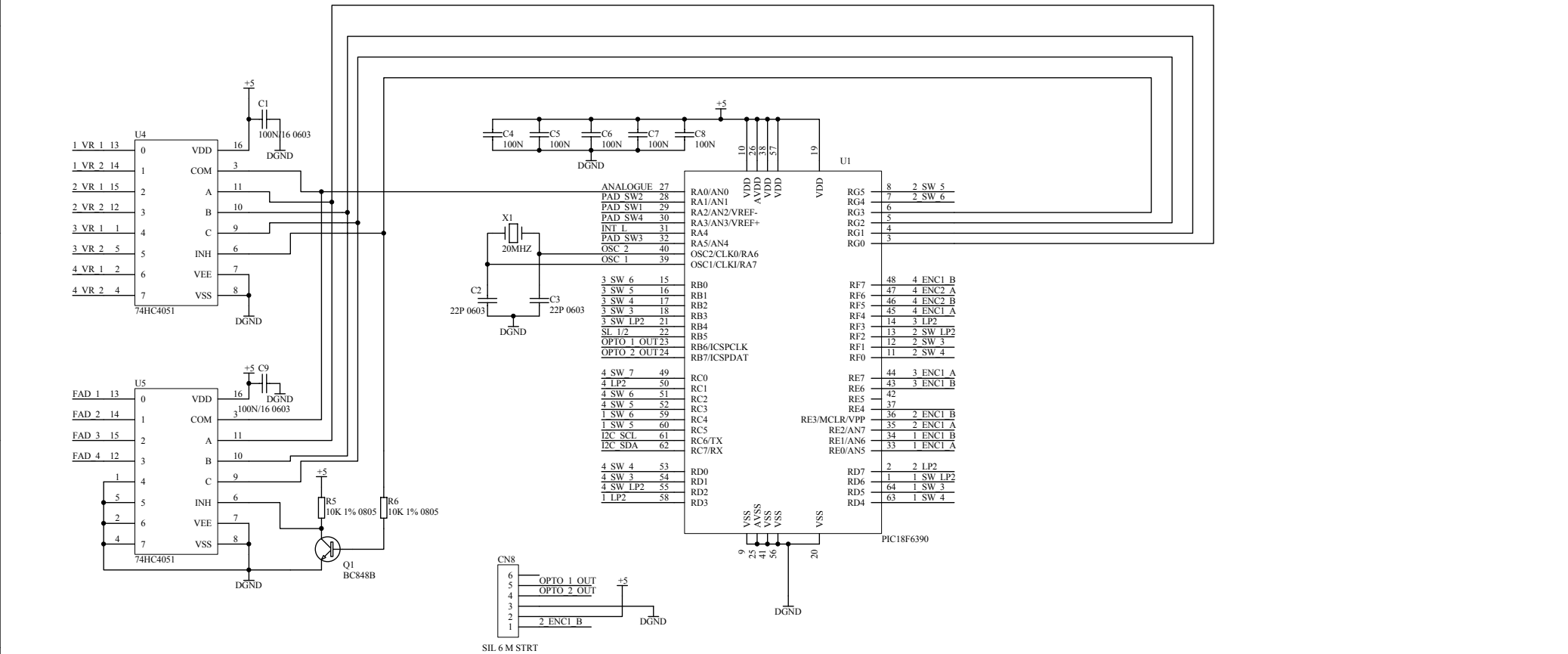
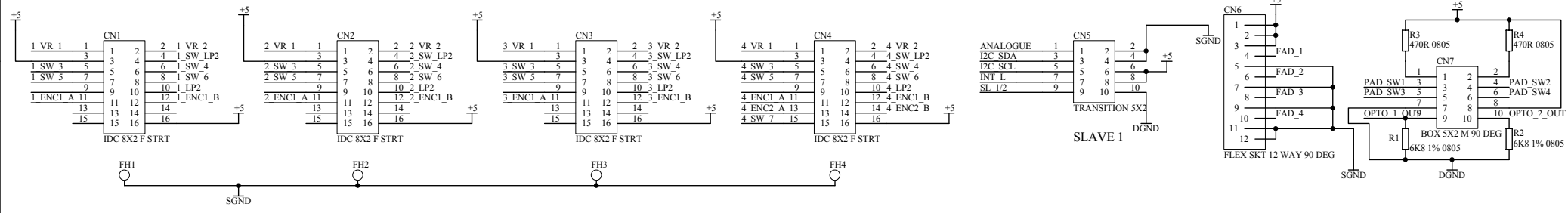
H

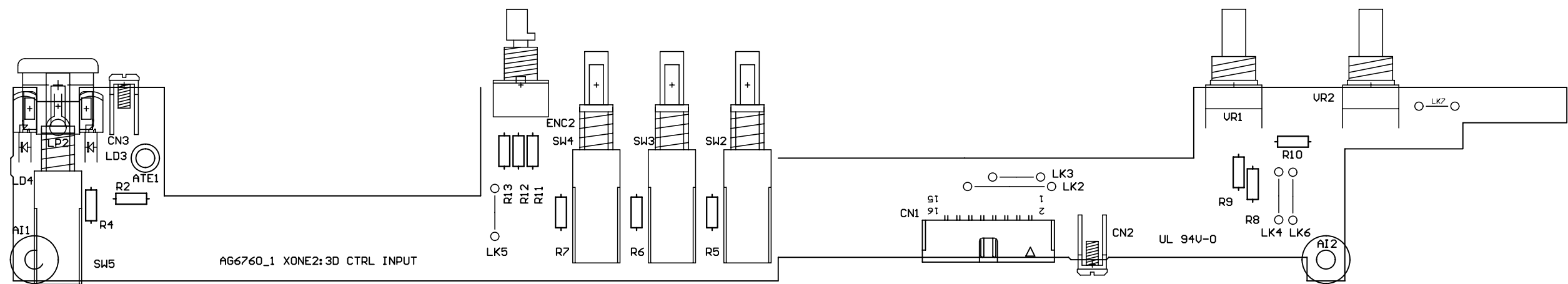


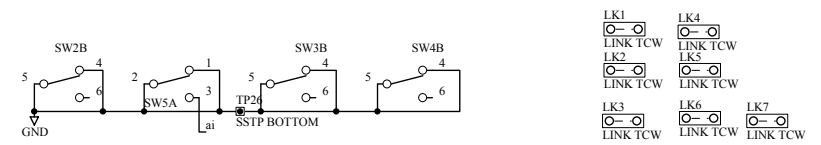
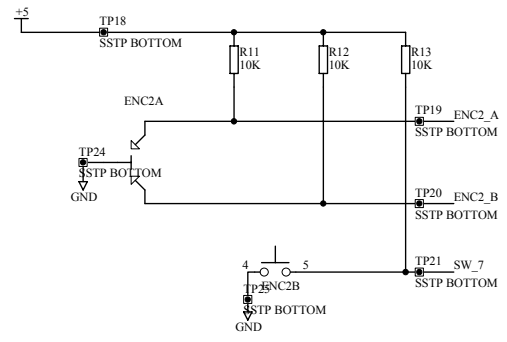
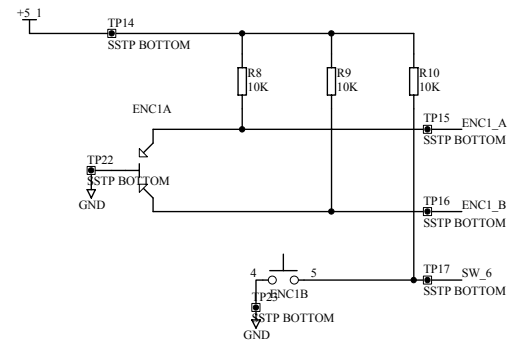
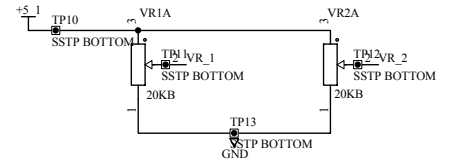
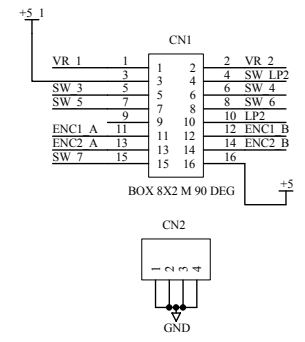
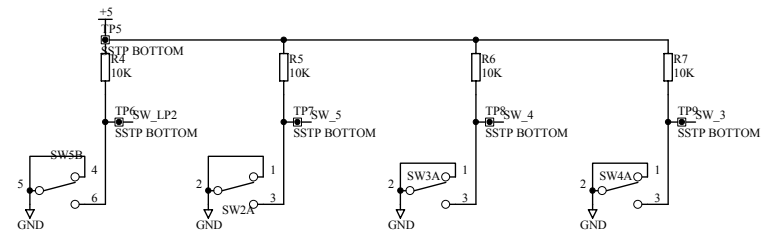
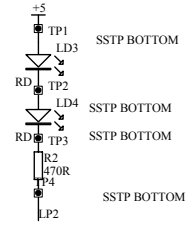


AG6235\_1 XONE3D MIDI SLAVE









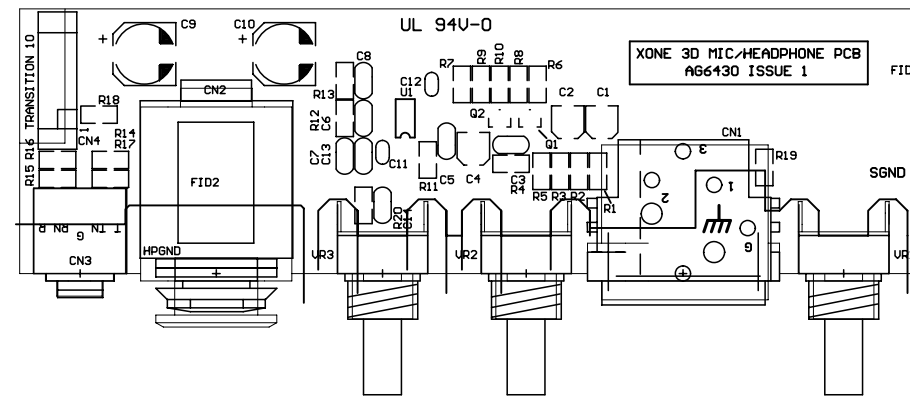
**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

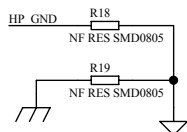
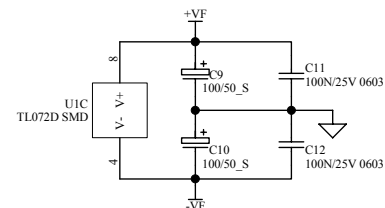
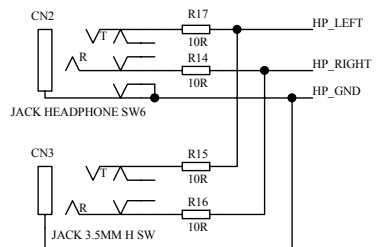
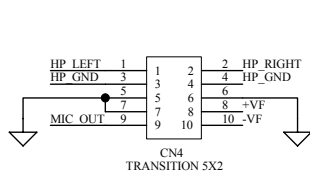
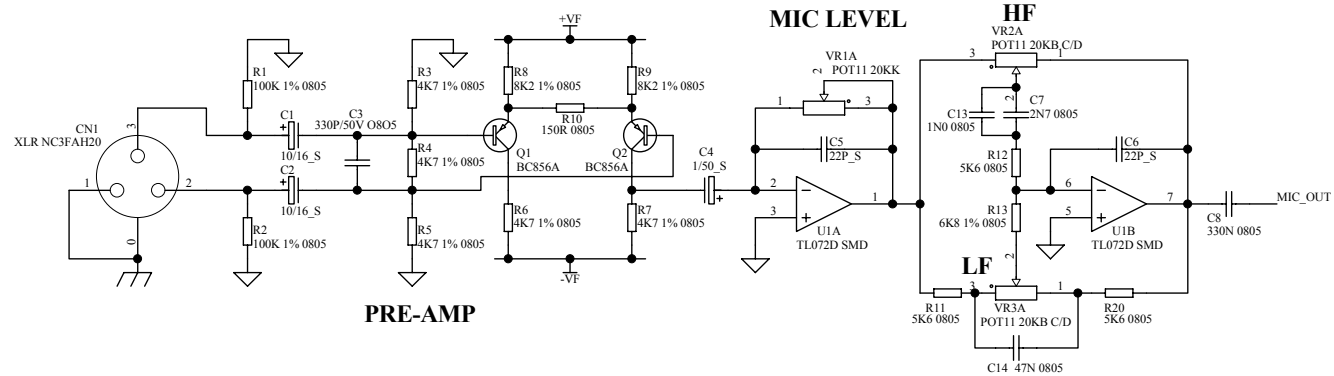
ISSUE	BY	DATE	CHK BY	BRKT	BRKT	BRKT	BRKT	LP2	TP2	CN3	ATE1	A11	A12
2	ARJ	28-07-06		VR1B 20KB	VR2B 20KB	ENC1C	ENC2C	SW-LIGHTPIPE	S5TP BOTTOM	EARTH SCREW TERMINAL NARROW	HOLE-ATE	HOLE-AI	HOLE-AI
FILE: CX6760_1_CTRL INPUT.Sch													

TITLE:  
 PAGE:  
 DRG No: ISSUE: 2 SHEET: 1 of 1  
 PRINTED: 16:54:58 18-Apr-2007

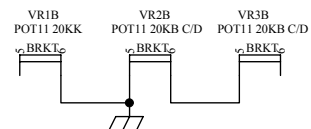
e  
d  
c  
b  
a

A I B C D E F G H





FIDUCIALS



**ALLEN&HEATH**

Kernick Industrial Estate,  
Penryn, Cornwall,  
England. TR10 9LU  
Tel: +44 (0)1326 372070  
Fax: +44 (0)1326 370153

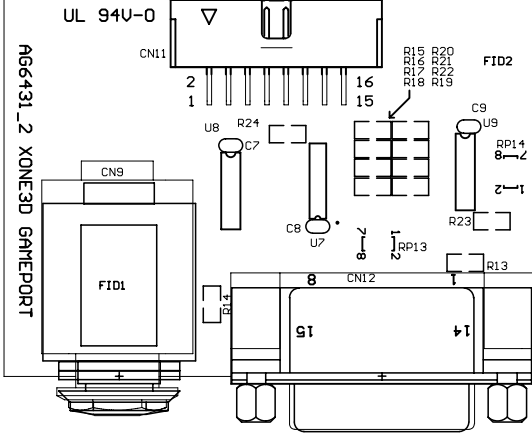
ISSUE	BY	DATE	CHK BY
1	JB	18/10/05	????

FILE: C6430\_1 HEADPHONE SOCKET.Sch

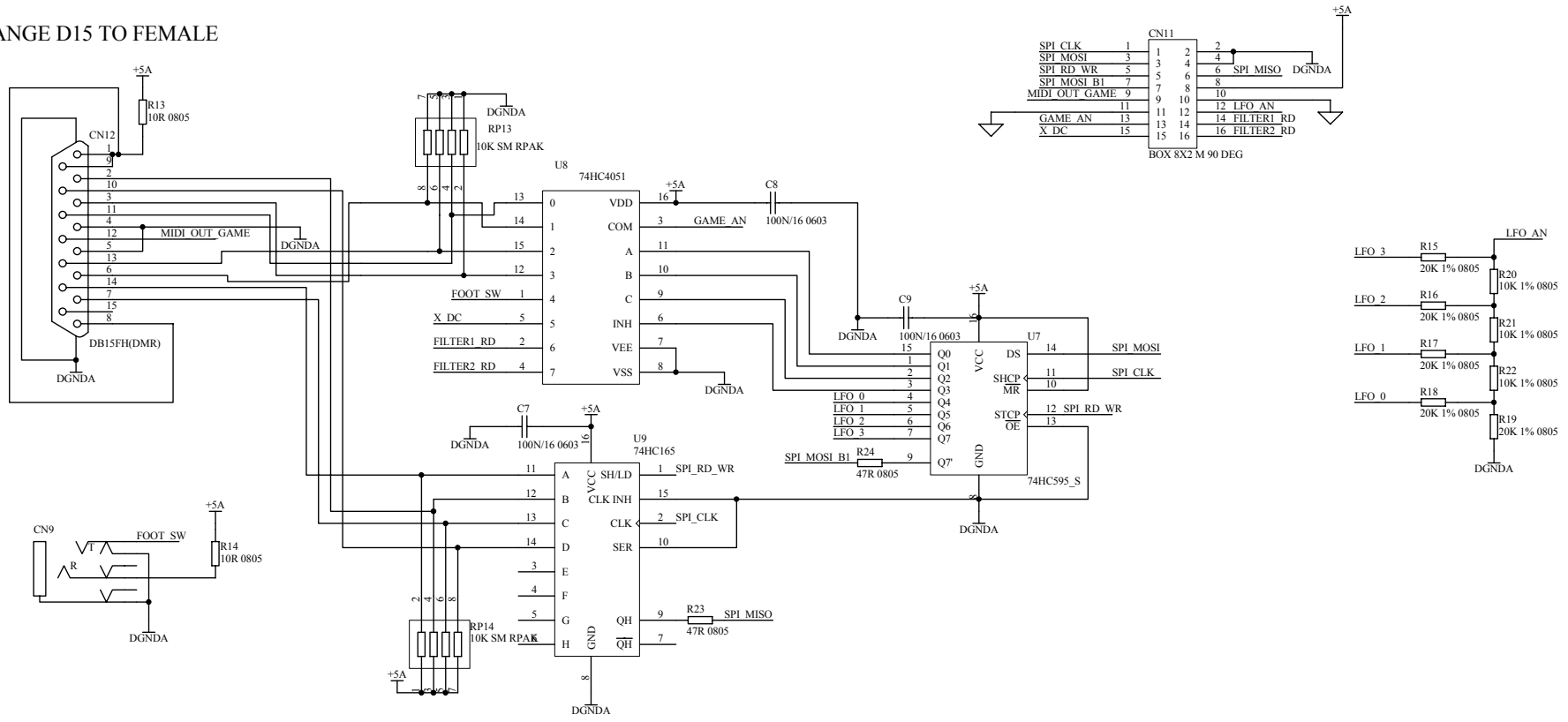
PRINTED: 15:56:27 18-Apr-2007

TITLE: XONE 3D MIC & PHONES PCB  
PAGE:

DRG No: AG6430 ISSUE: 1 SHEET: 1 of 1



CHANGE D15 TO FEMALE



FIDUCIAL  
FID1 FID2  
○ ○

**ALLEN&HEATH**

Kernick Industrial Estate,  
Penryn, Cornwall,  
England. TR10 9LU  
Tel: +44 (0)1326 372070  
Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY
1	ARJ	14-10-05	

FILE: C6431\_2\_GAMEPORT.SCH

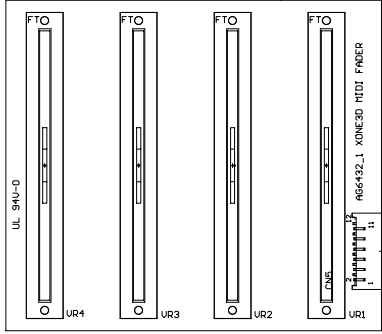
PRINTED: 15:58:41 18-Apr-2007

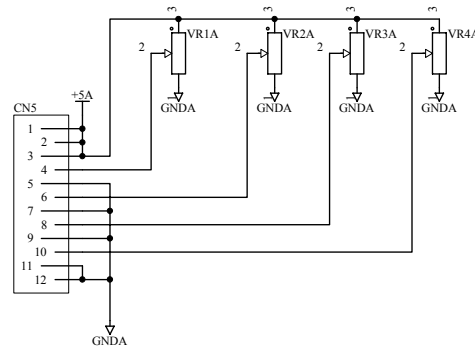
TITLE: XONE 3D GAMEPORT PCB  
PAGE:

DRG No: C6431 ISSUE: 1 SHEET: 1 of 1

A B C D E F G H



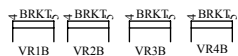




**ALLEN&HEATH**

Kernick Industrial Estate,  
Penryn, Cornwall,  
England. TR10 9LU  
Tel: +44 (0)1326 372070  
Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY
1	ARJ	14-10-05	



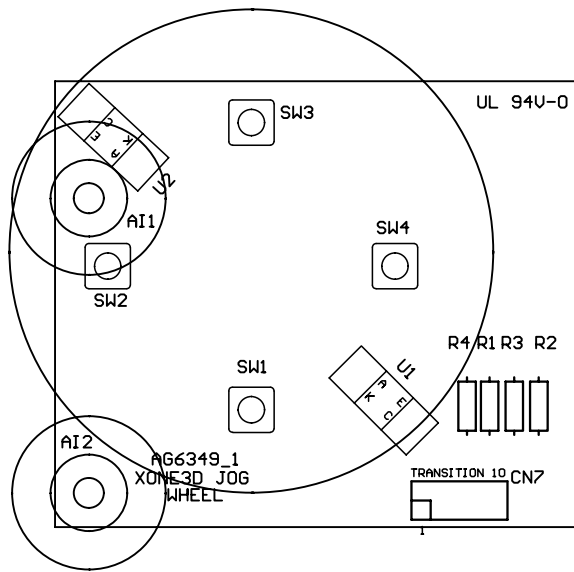
FILE: C6432\_1 MIDI FADERS.Sch

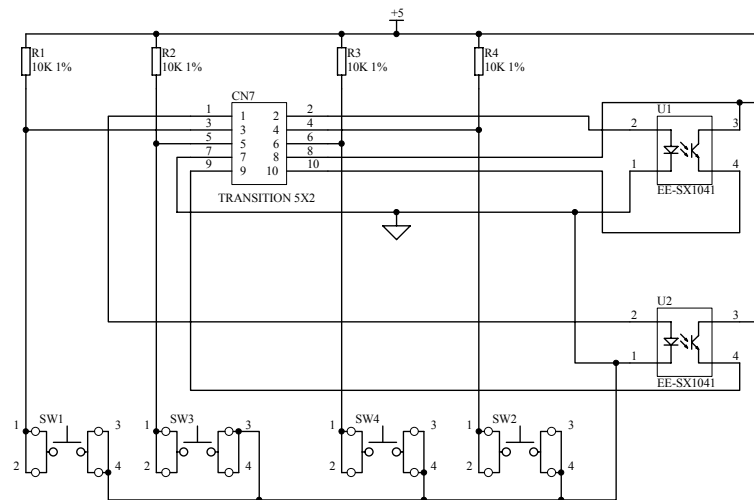
PRINTED: 16:00:53 18-Apr-2007

TITLE: XONE 3D MIDI FADER  
PAGE:

DRG No: C6432 ISSUE: 1 SHEET: 1 OF 1

A I B C D E F G H





**ALLEN&HEATH**

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

Tel: +44 (0)1326 372070  
Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY

A11 HOLE-A1  
A12 HOLE-A1

FILE: C6349\_1 JOG.Sch

TITLE: XONE 3D JOG WHEEL

PAGE:

DRG No: C6349 ISSUE: 1 SHEET: 1 OF 1

PRINTED: 15:52:10 18-Apr-2007

A

I

B

C

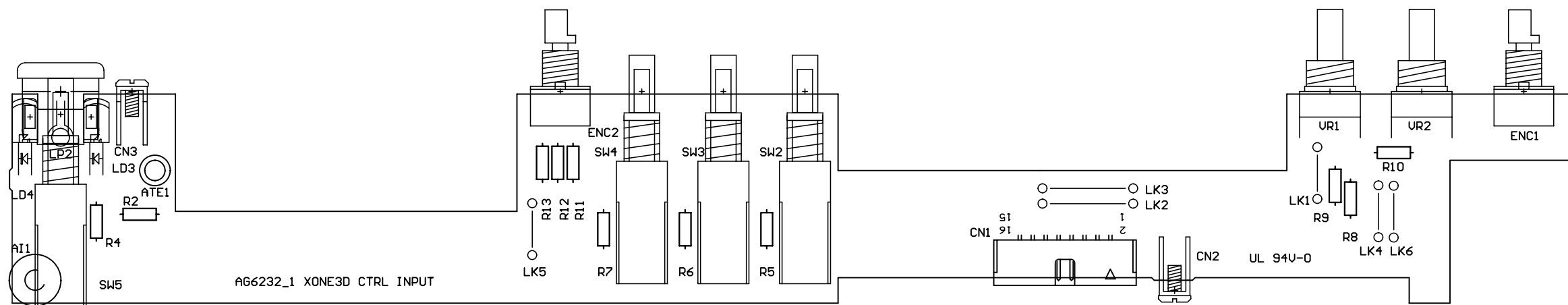
D

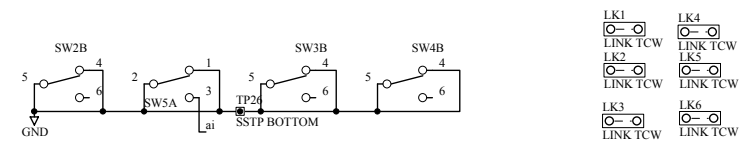
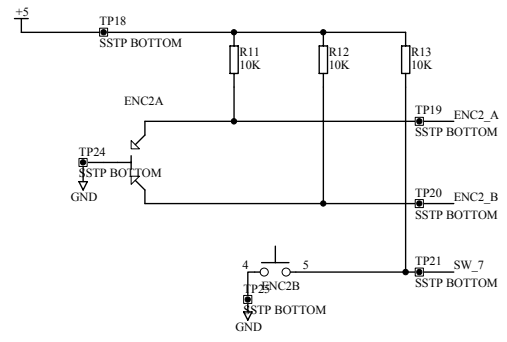
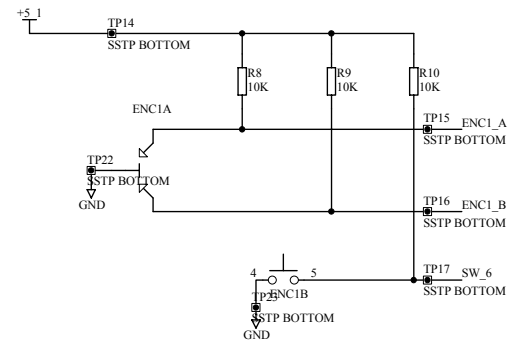
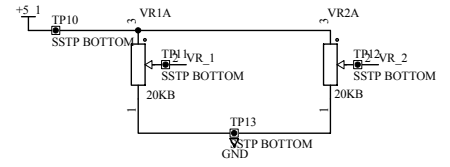
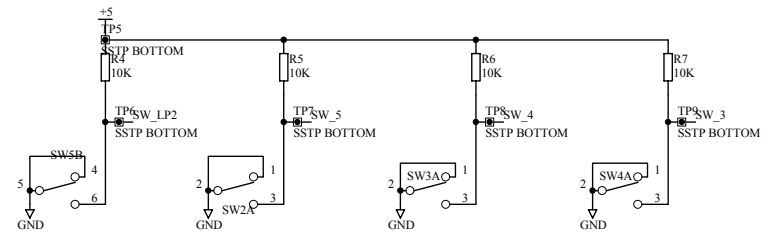
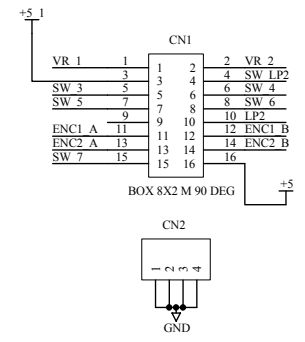
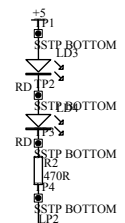
E

F

G

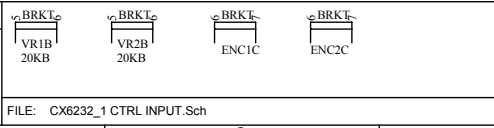
H





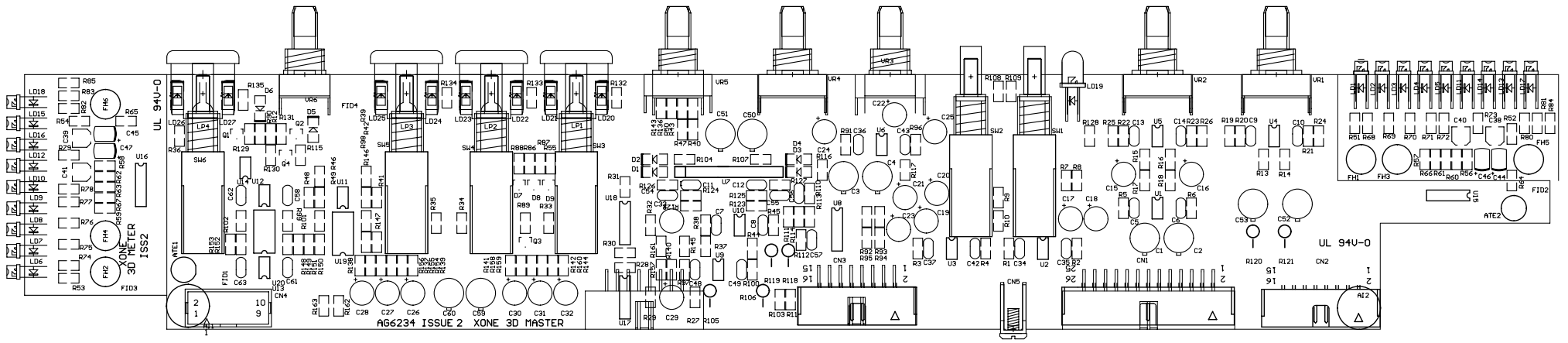
**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

ISSUE	BY	DATE	CHK BY



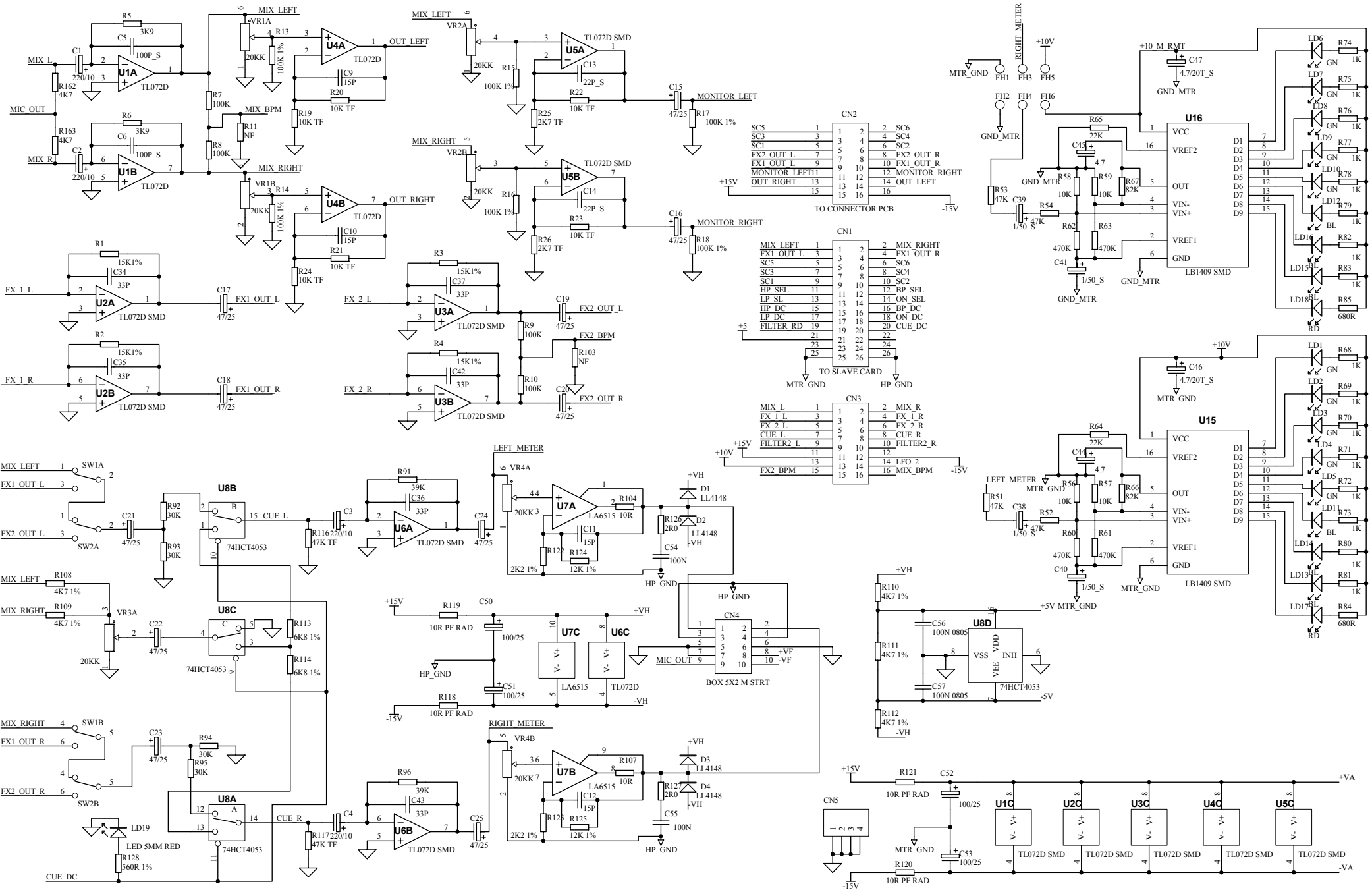
FILE: CX6232\_1\_CTRL INPUT.Sch  
 PRINTED: 16:52:07 18-Apr-2007

TITLE: \_\_\_\_\_  
 PAGE: \_\_\_\_\_  
 DRG No: \_\_\_\_\_ ISSUE: \_\_\_\_\_ SHEET: 0 OF 0









**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
B 2	ARJ AAT	21-06-05 24-11-05	Text

VR5C	VR4C	VR3B	VR2C	VR1C
BRK1	BRK1	BRK1	BRK1	BRK1

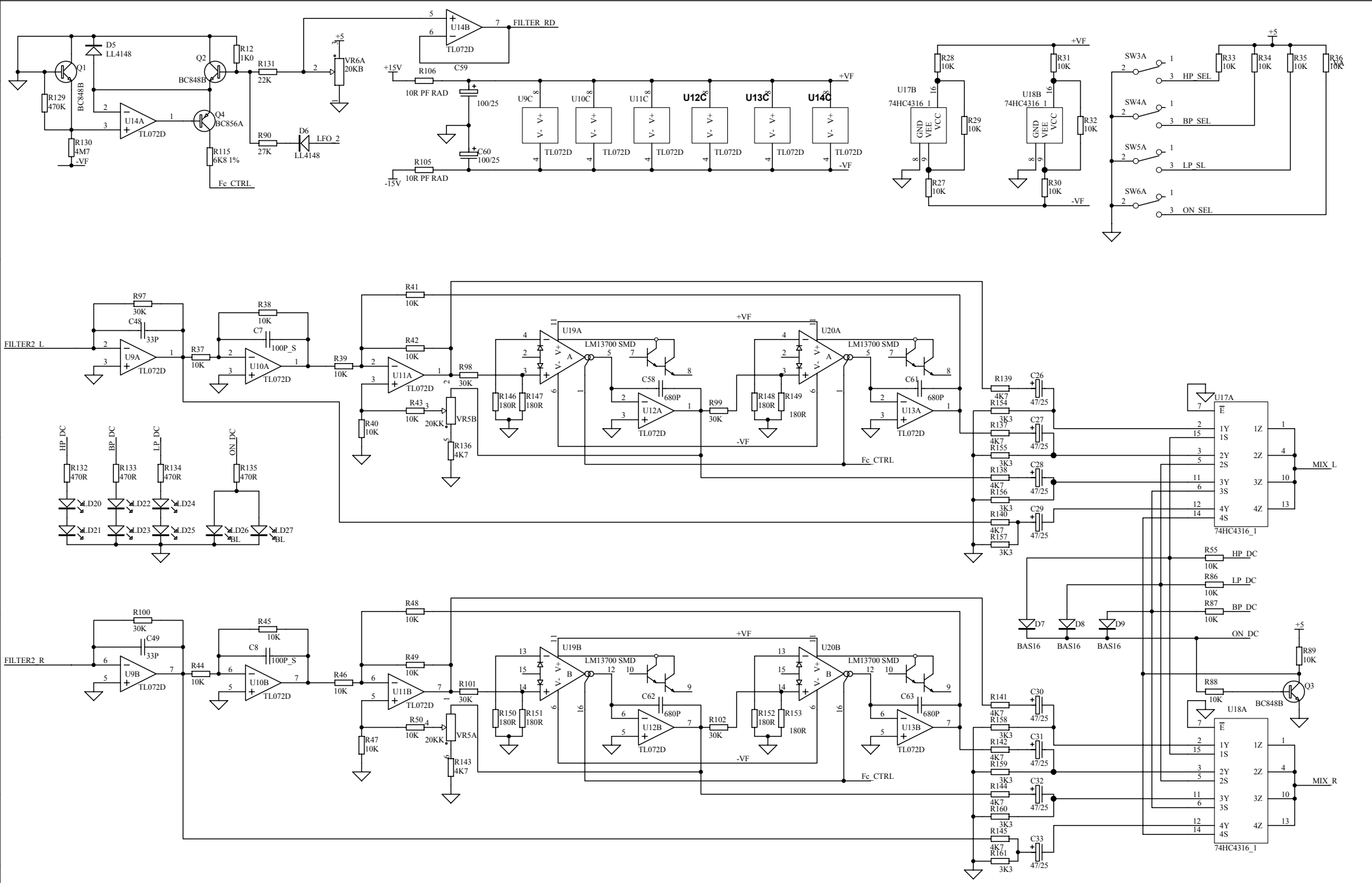
FILE: C6234\_2\_MASTER PCB 1.Sch

PRINTED: 15:11:25 18-Apr-2007

TITLE: XONE 3D MASTER PCB

PAGE:

DRG No: C6234 ISSUE: 2 SHEET: 1 OF 2



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

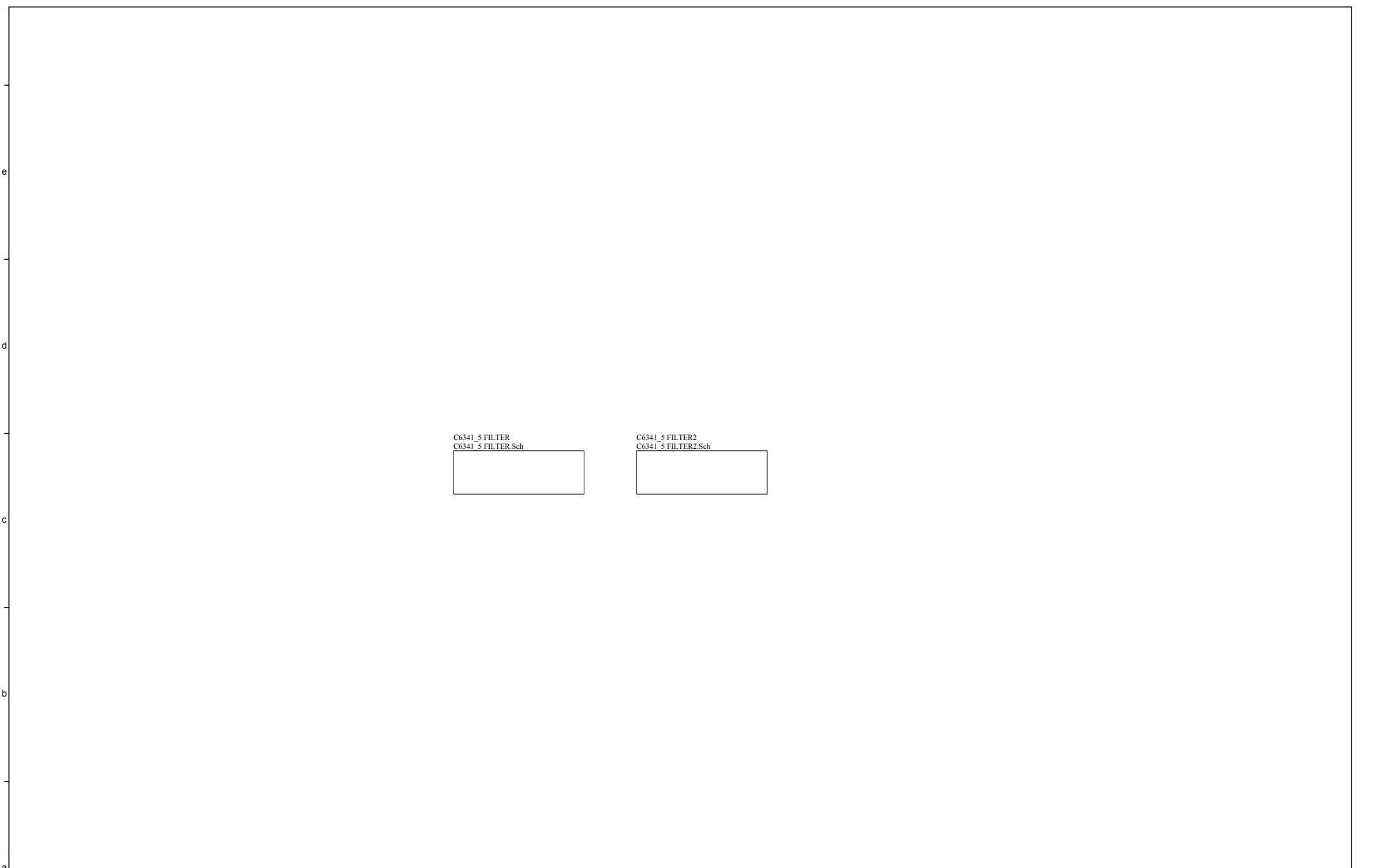
ISSUE	BY	DATE	CHK BY
B 2	ARJ AAT	21-06-05 24-11-05	Text

ATE1	AI1	FID1	FID4	VR6B BRK1c	SW3B	SW4B	SW5B	SW6B	LP1	LP2	LP3	LP4	PCB BREAKOUT S LONG
ATE2	AI2	FID2	FID3	POT11 20KB C/D									○B01 ○B02 ○B03 ○B04

TITLE: **XONE 3D MASTER PCB**  
 PAGE:  
 DRG No: **C6234** ISSUE: 2 SHEET: 2 OF 2

PRINTED: 15:11:25 18-Apr-2007





C6341\_5 FILTER  
C6341\_5 FILTER.Sch

C6341\_5 FILTER2  
C6341\_5 FILTER2.Sch

**ALLEN&HEATH**

Kernick Industrial Estate,  
Penryn, Cornwall,  
England. TR10 9LU  
Tel: +44 (0)1326 372070  
Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY
2 5	AAT ARJ	24-11-05 28-04-06	

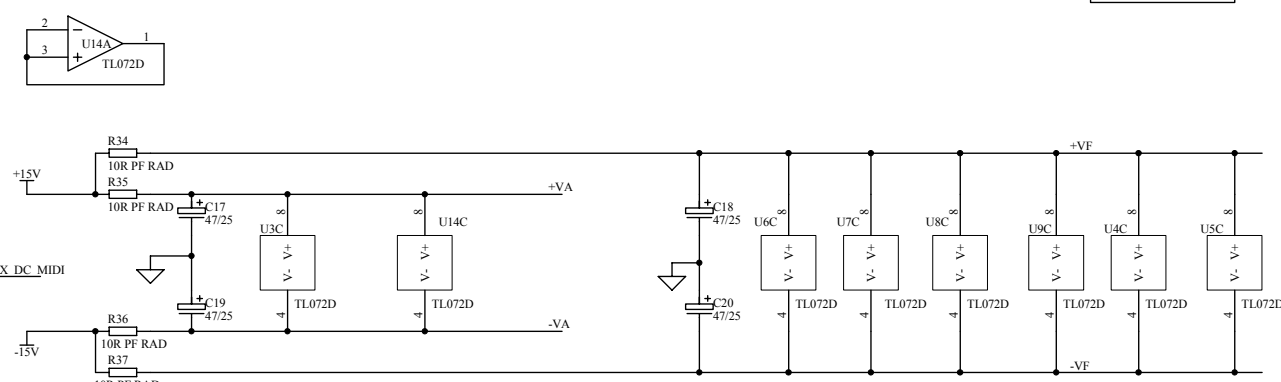
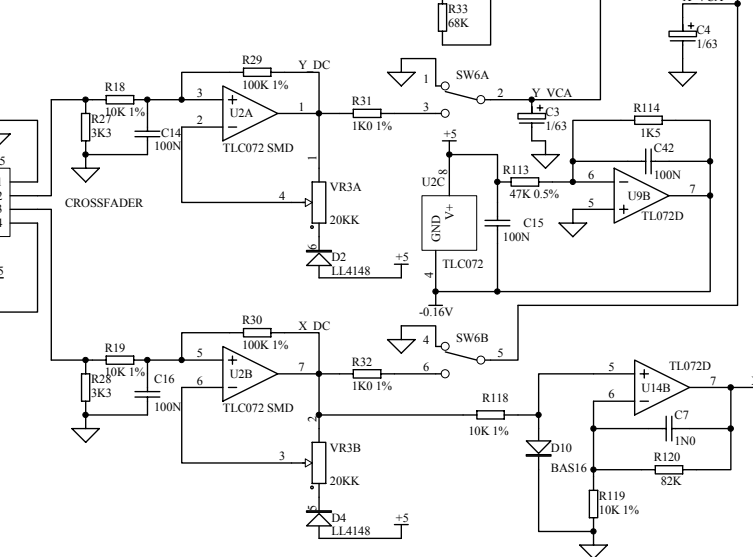
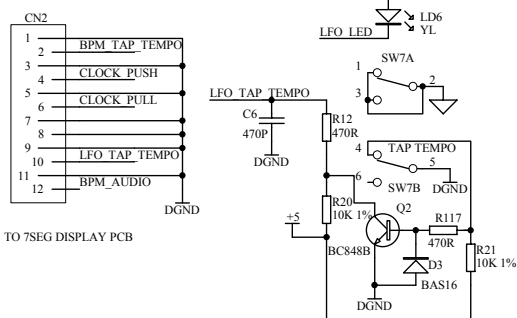
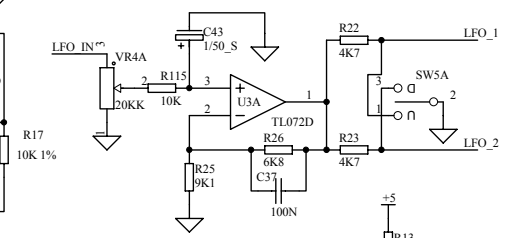
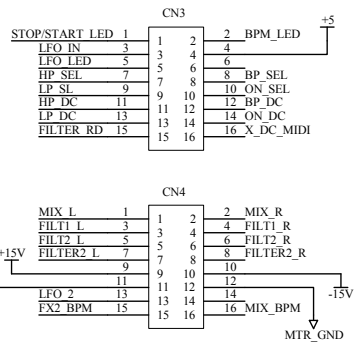
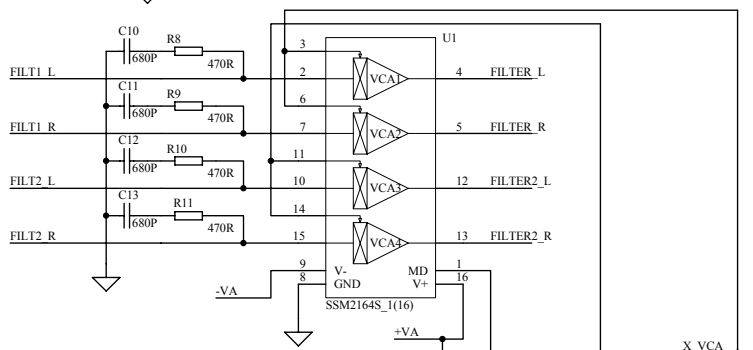
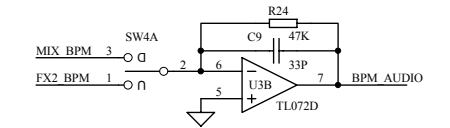
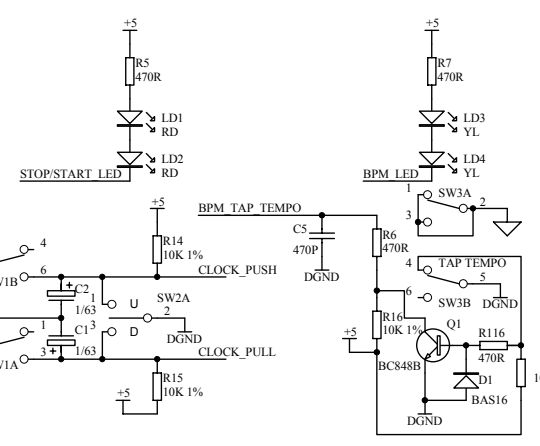
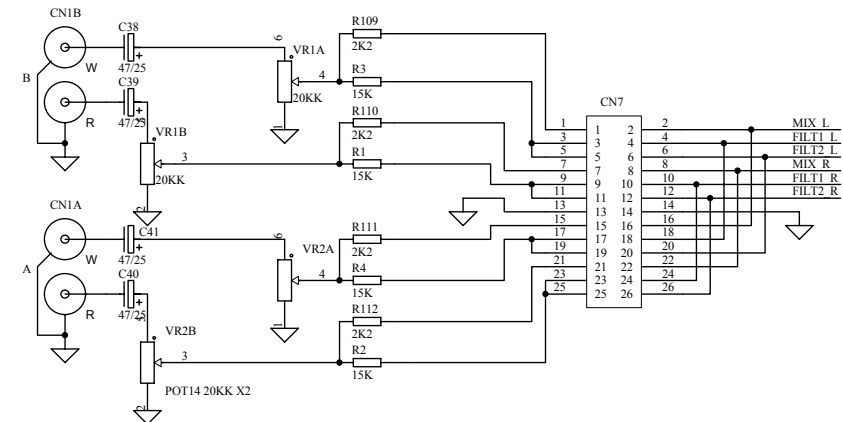
PCB ONLY (TESTPOINTS)
FILE: C6341_5.Sch

TITLE: XONE 3D FILTER PCB
PAGE:
DRG No: C6341    ISSUE: 5    SHEET: 0 OF 0

PRINTED: 15:48:54 18-Apr-2007

A I B C D E F G H





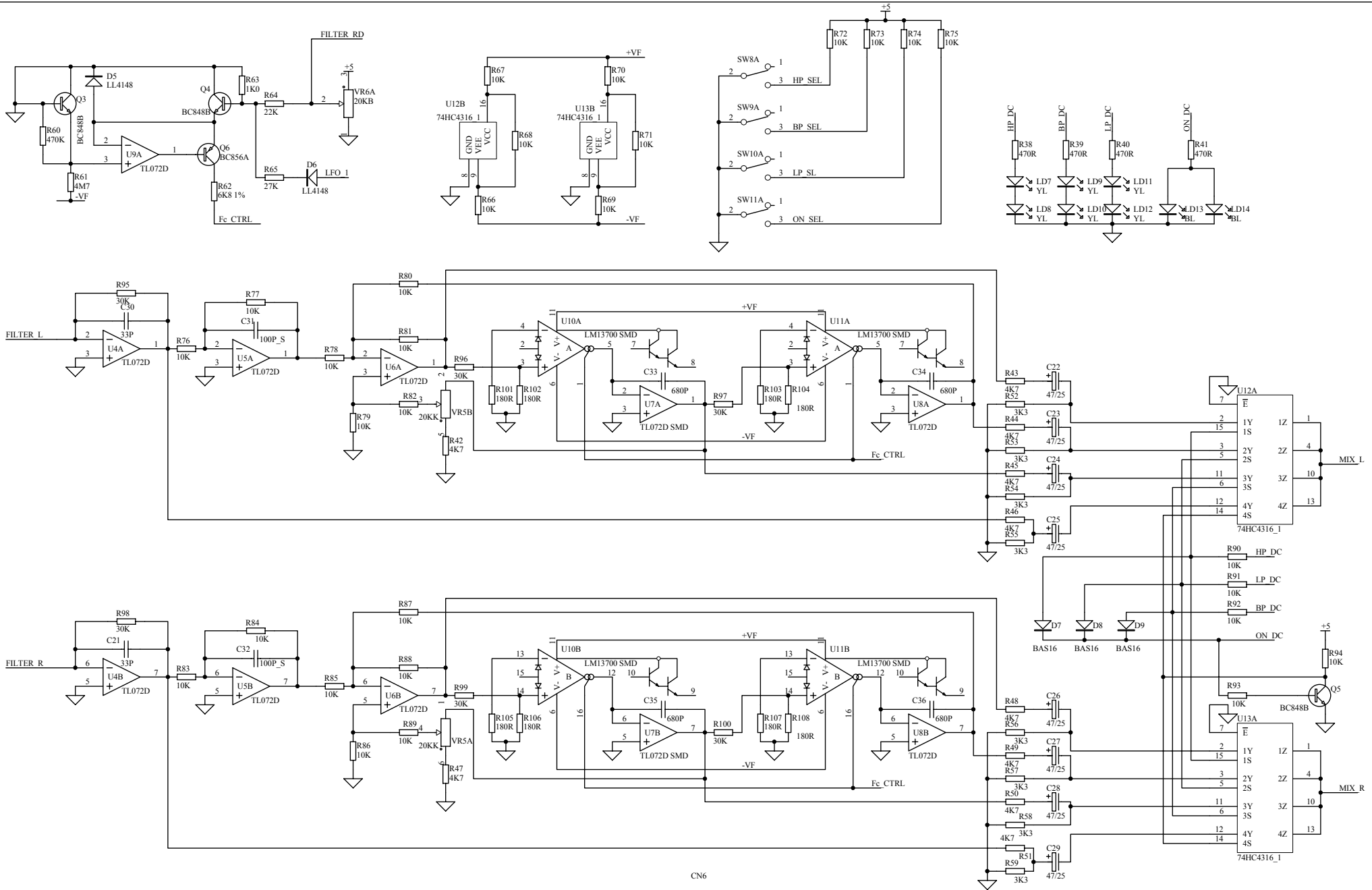
**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)1326 372070  
 Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY	Text	VR5C	VR3C	SW5B	VR4B	VR2C	VR1C	SW4B	SW2B
1	ARJ	21-06-05			BRK1	BRK1	BRK1	BRK1	BRK1	BRK1	BRK1	BRK1
2	AAT	24-11-05										
3	ARJ	03-03-06										
4	ARJ	28-4-06										
5	ARJ	28-04-06										

TITLE: **XONE 3D FILTER PCB**  
 PAGE:  
 DRG No: **C6341** ISSUE: **5** SHEET: **1 OF 2**

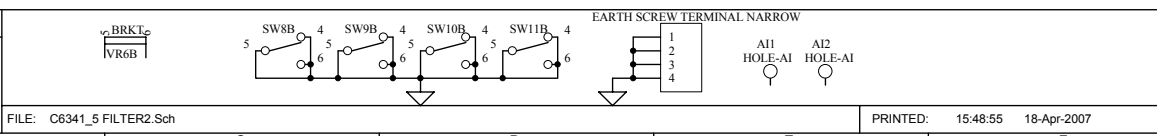
FILE: C6341\_5.FILTER.Sch

PRINTED: 15:48:55 18-Apr-2007

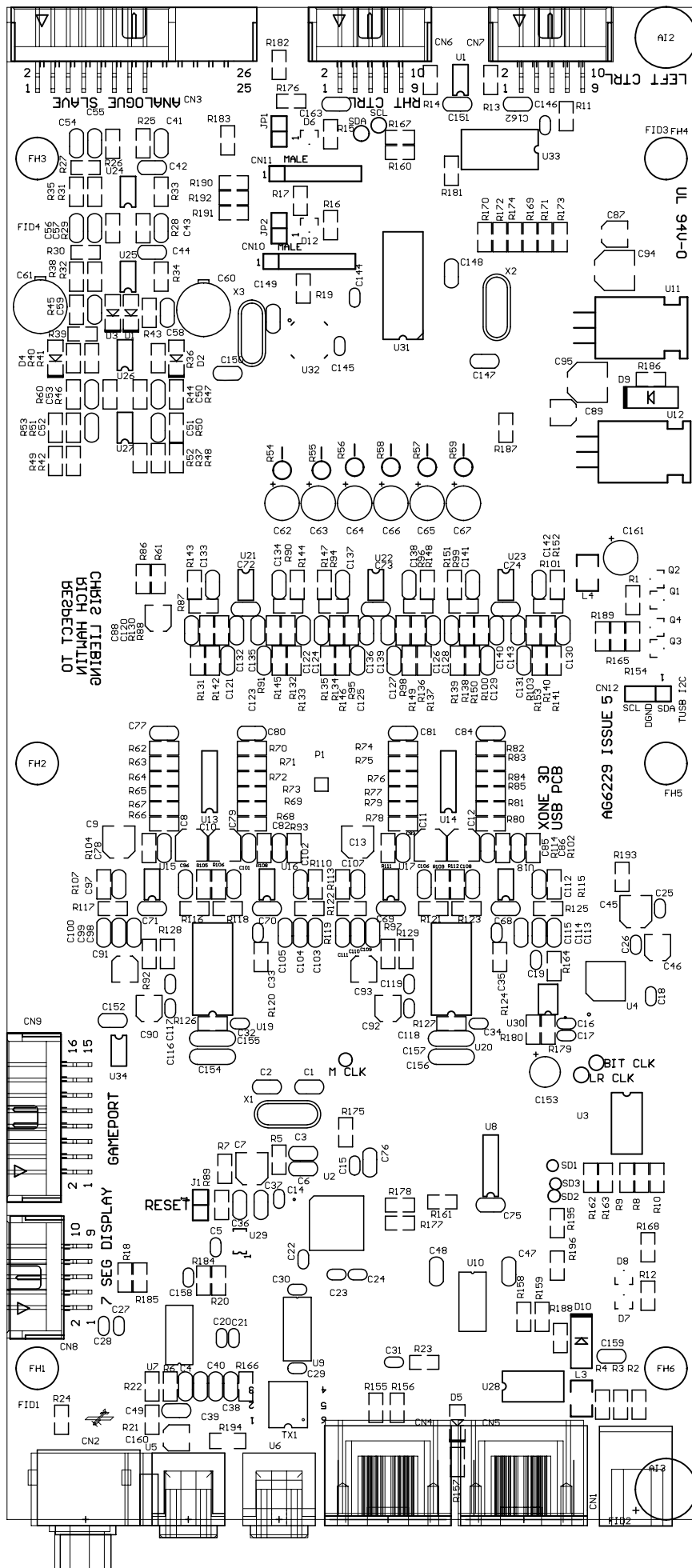


**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)1326 372070  
 Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY
1	ARJ	21-06-05	Text
2	AAT	24-11-05	
3	ARJ	03-03-06	
4	ARJ	28-04-06	
5	ARJ	XFADE MID 28-04-06	

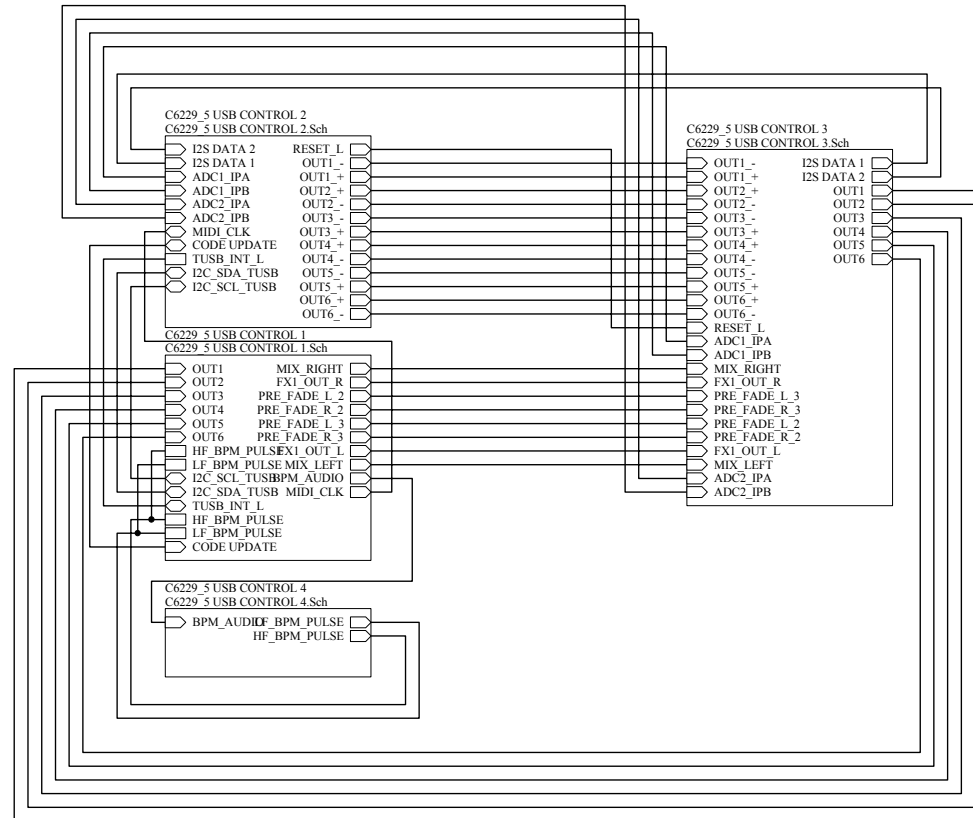


TITLE: **XONE 3D FILTER PCB**  
 PAGE:  
 DRG No: **C6341** ISSUE: **5** SHEET: **2 OF 2**



**XONE 3D CPU AG6229 ISSUE 5**





**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
5	AR	28-04-06	

FILE: C6229\_5 USB CONTROL.Sch

PRINTED: 14:53:16 18-Apr-2007

TITLE: XONE 3D USB CONTROL

PAGE:

DRG No: C6229 ISSUE: 5 SHEET: 0 OF 4

A

I

B

C

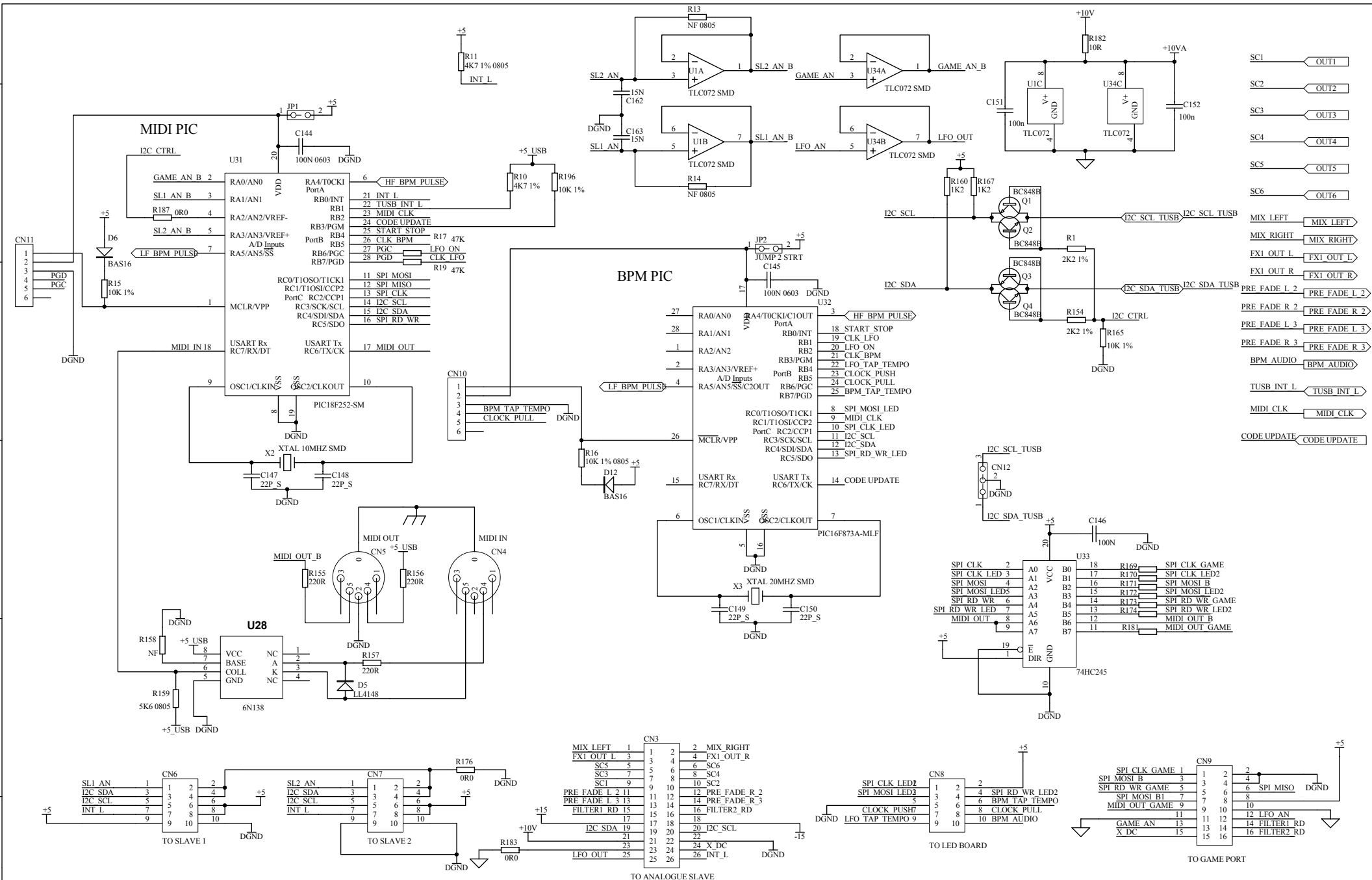
D

E

F

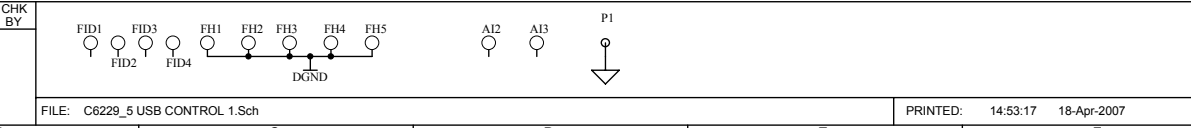
G

H

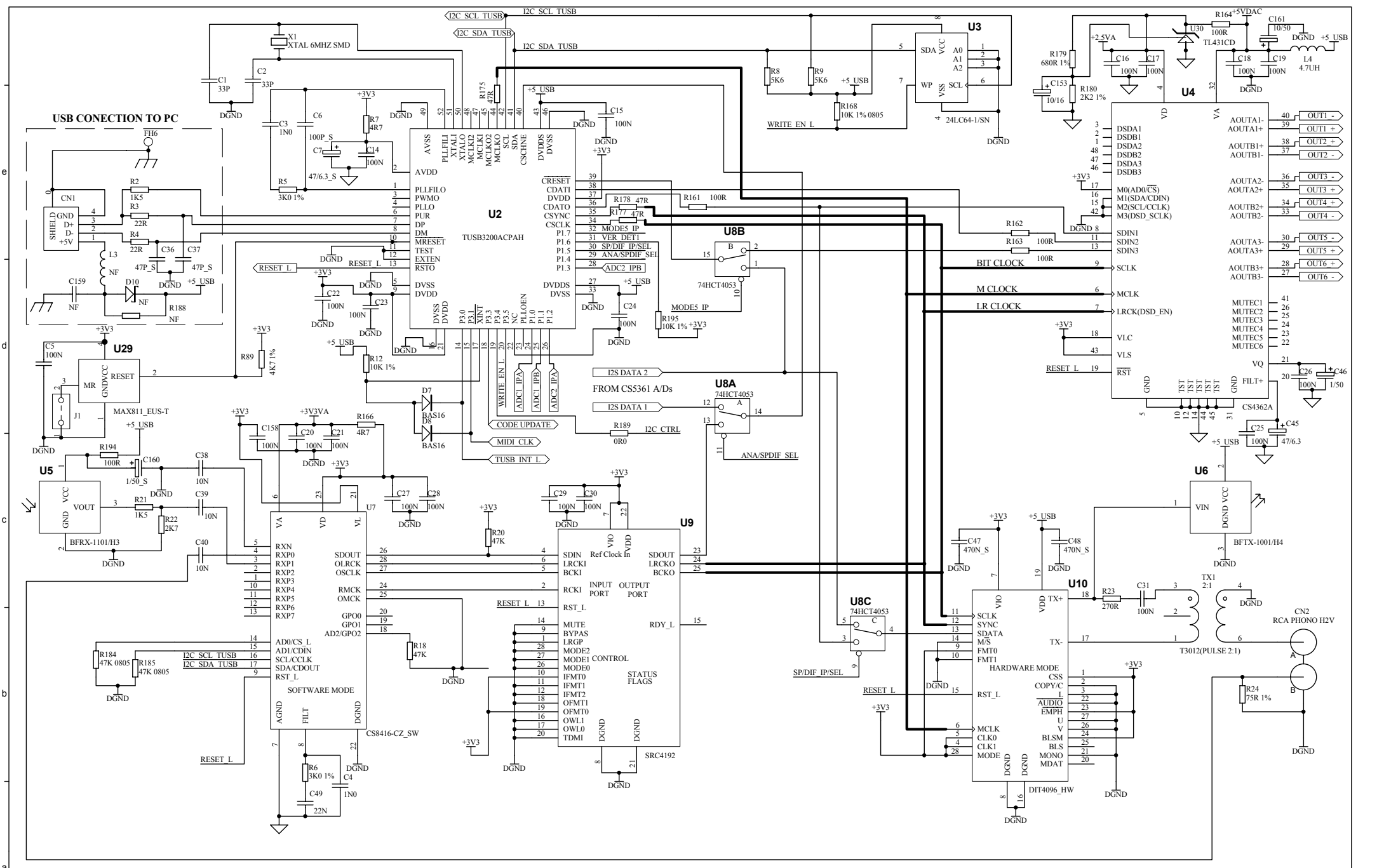


**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

ISSUE	BY	DATE	CHK BY
1	ARJ	25-11-05	
2	ARJ	1-2-06	
4	ARJ	22-04-06	
5	ARJ	28-04-06	



TITLE: **SPI/MIDI/BMP**  
 PAGE:  
 DRG No: **C6229** ISSUE: **5** SHEET: **1** OF **4**



**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
1	ARJ	25-11-05	
2	ARJ	1-2-06	
4	ARJ	22-04-06	
5	ARJ	28-04-06	

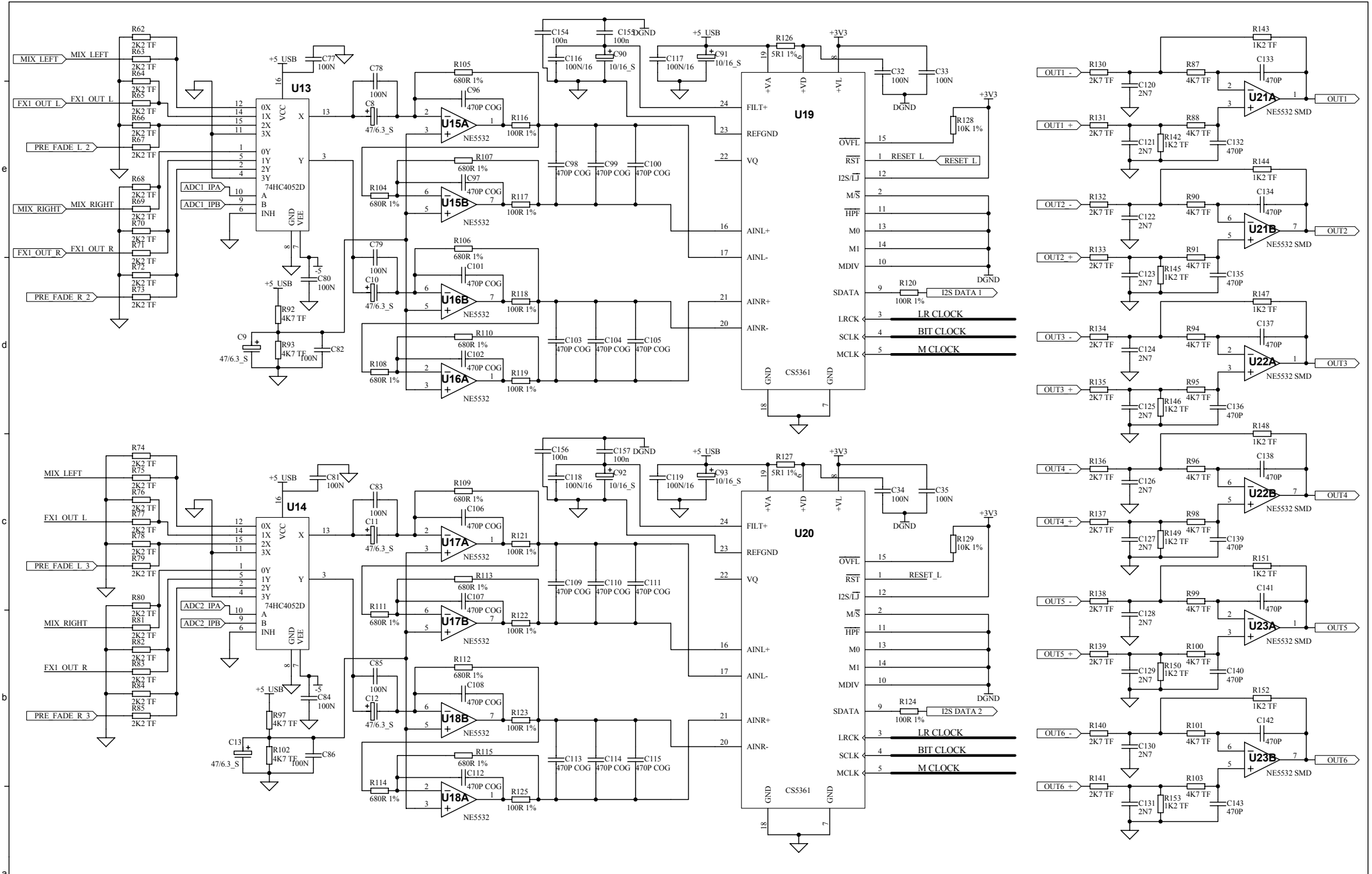
FILE: C6229\_5 USB CONTROL 2.Sch

PRINTED: 14:53:17 18-Apr-2007

TITLE: DIGITAL IO AND USB INTERFACE

PAGE:

DRG No: C6229 ISSUE: 5 SHEET: 2 OF 4



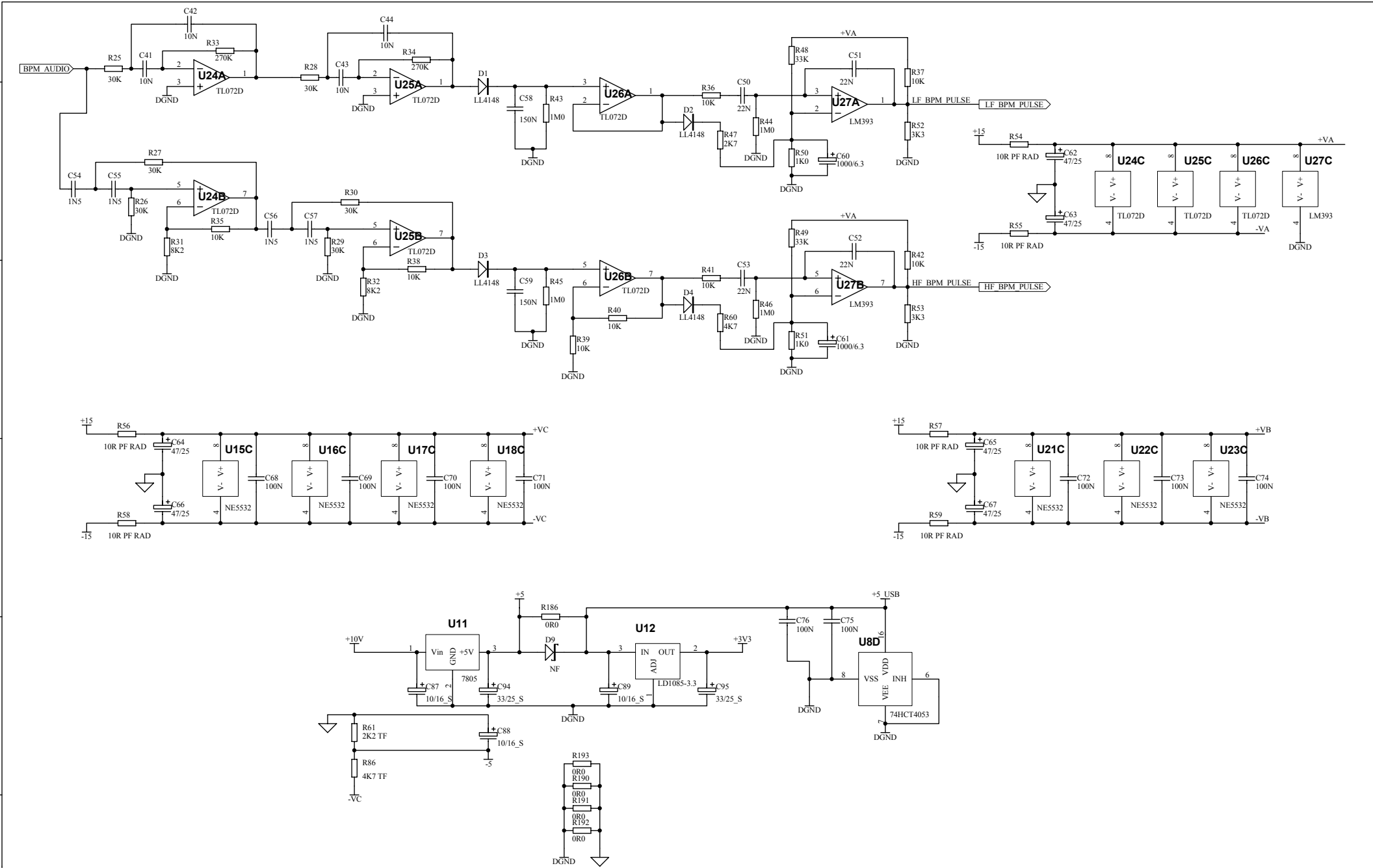
**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

ISSUE	BY	DATE	CHK BY
1	ARJ	25-11-05	
2	ARJ	1-2-06	
4	ARJ	22-04-06	
5	ARJ	28-04-06	

FILE: C6229\_5 USB CONTROL 3.Sch

TITLE: **ADC AND ANALOGUE OUT**  
 PAGE:  
 DRG No: **C6229** ISSUE: **5** SHEET: **3 OF 4**

PRINTED: 14:53:17 18-Apr-2007



**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)1326 372070  
 Fax: +44 (0)1326 370153

ISSUE	BY	DATE	CHK BY
1	ARJ	25-11-05	
2	ARJ	1-2-06	
4	ARJ	22-04-06	
5	ARJ	28-04-06	

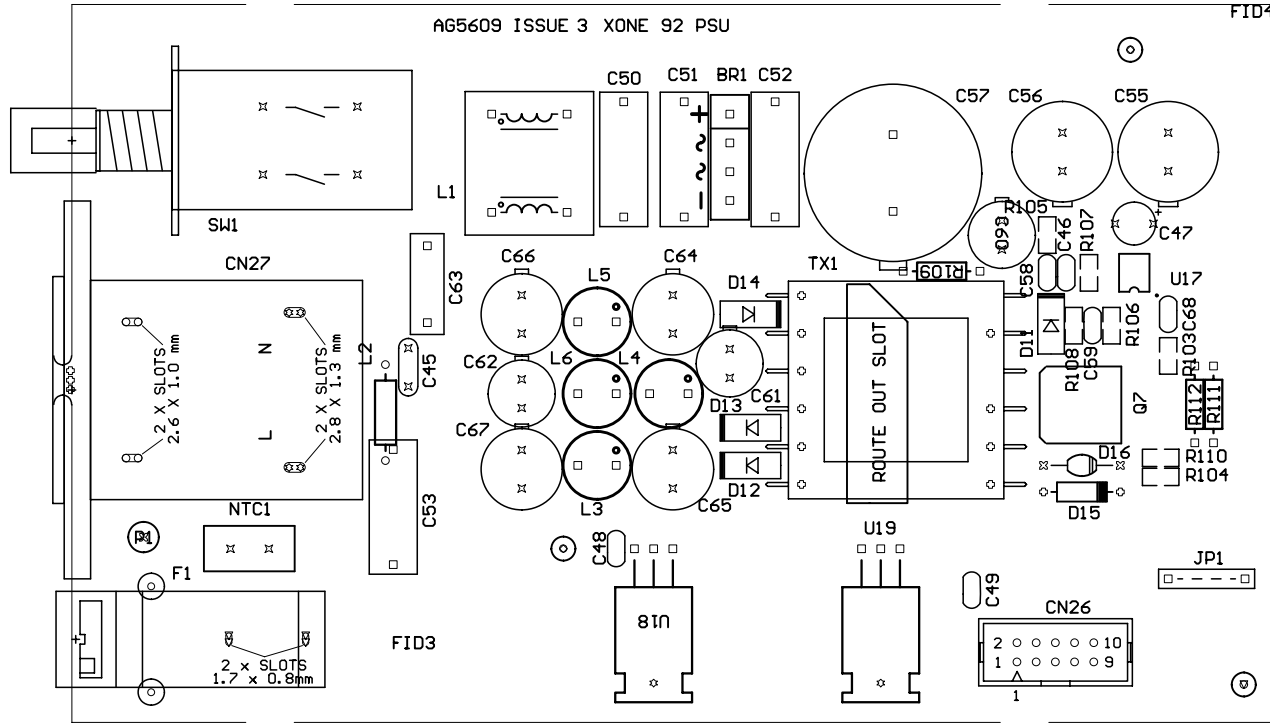
FILE: C6229\_5 USB CONTROL 4.Sch

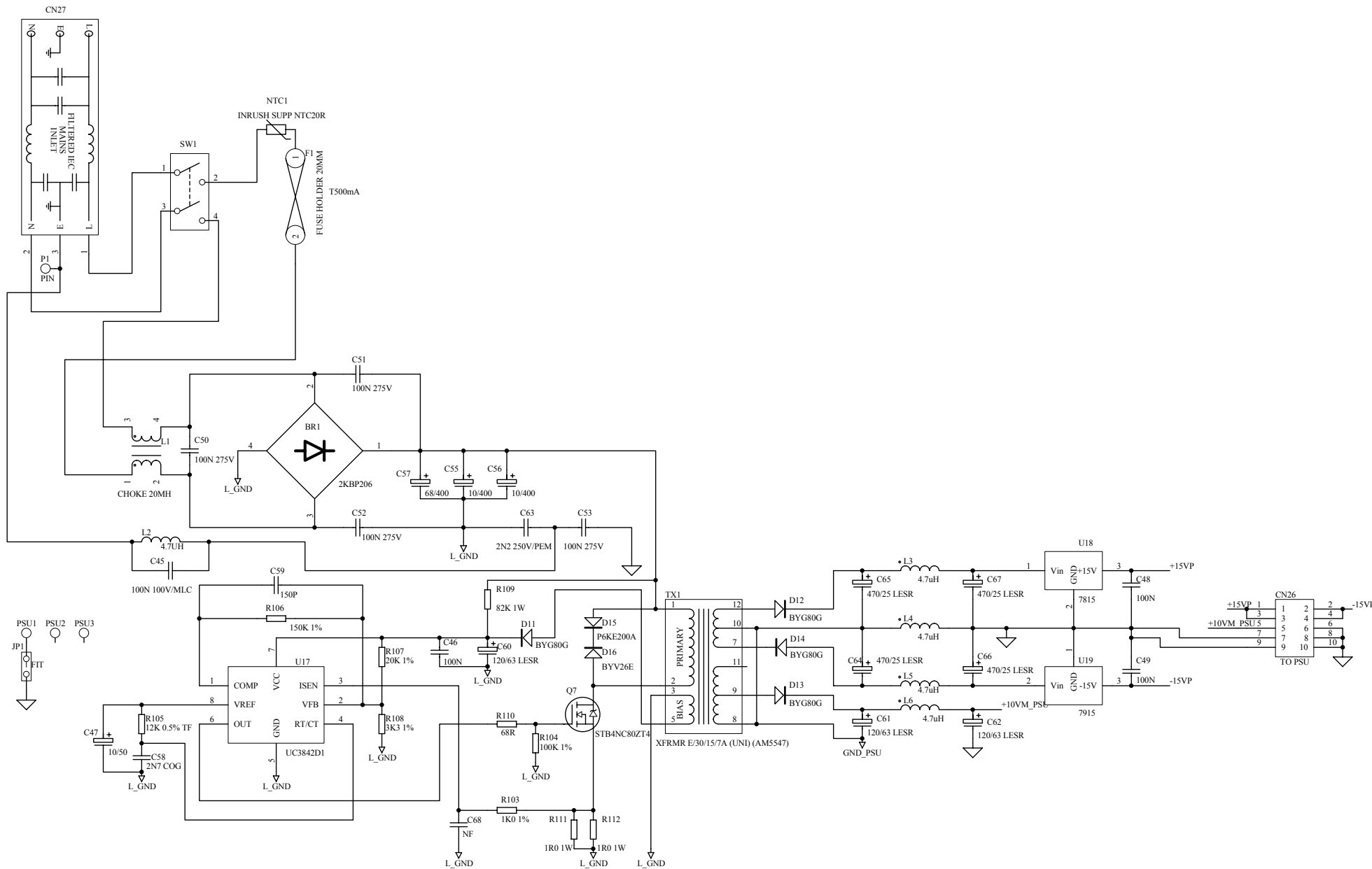
TITLE: **BPM ANALOGUE/ POWER SUPPLY**  
 PAGE:  
 DRG No: **C6229** ISSUE: **5** SHEET: **4 OF 4**

PRINTED: 14:53:18 18-Apr-2007

AG5609 ISSUE 3 XONE 92 PSU

FID4





**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
3.1	ARJ	24-11-05	

FID1 FID2 FID3 FID4 A11 A12

FILE: AG5609 PSU\_MAINS ISSUE 3.1.Sch

PRINTED: 14:43:21 18-Apr-2007

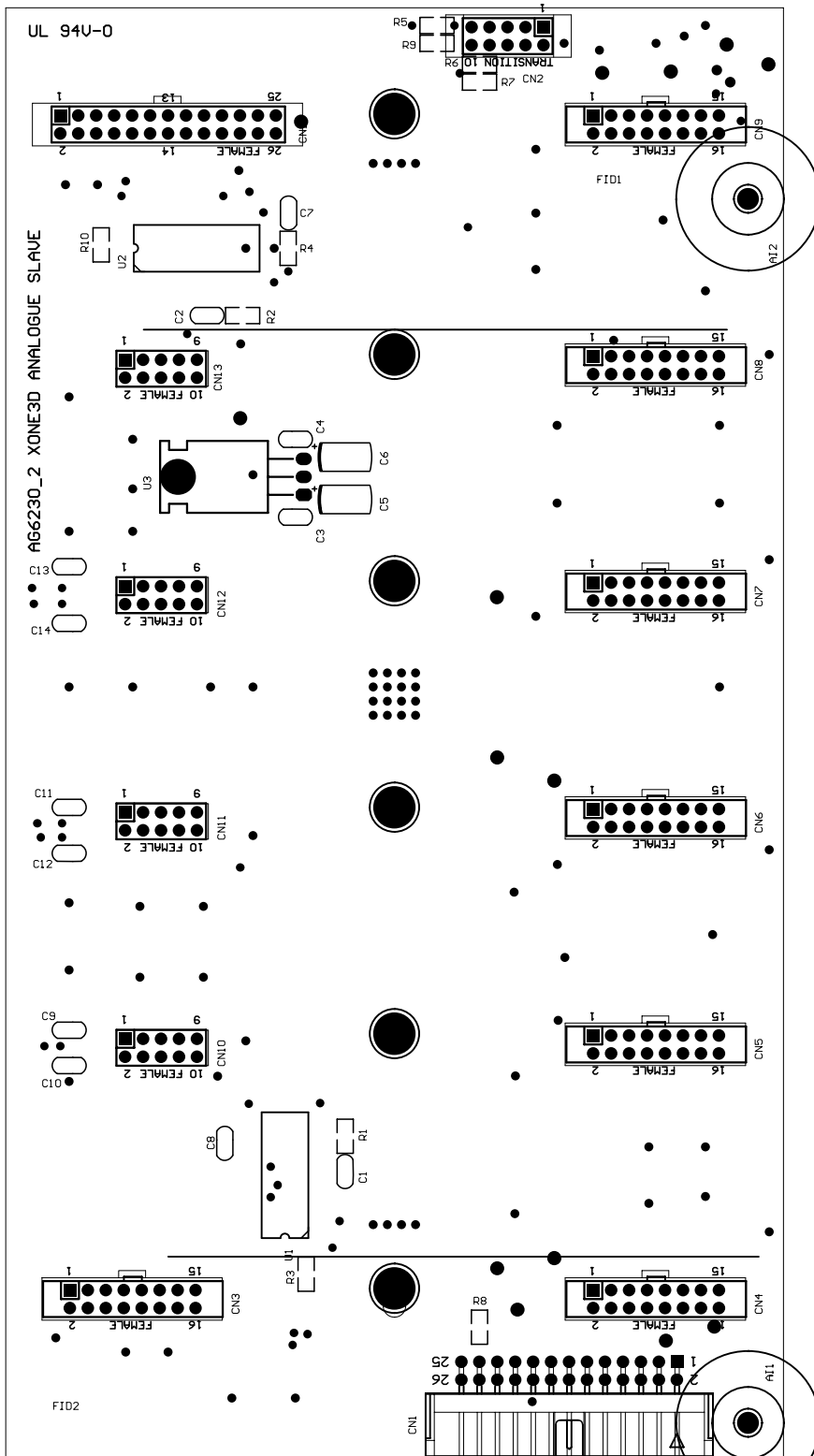
TITLE: XONE 3D POWER SUPPLY  
PAGE:

DRG No: C5609 ISSUE: 3.1 SHEET: 1 of 1

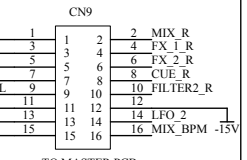
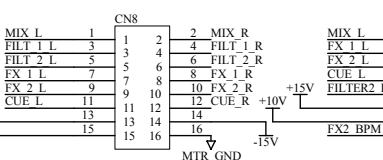
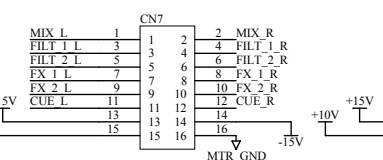
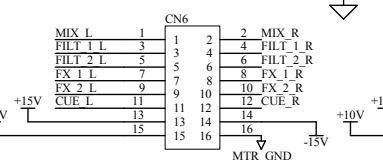
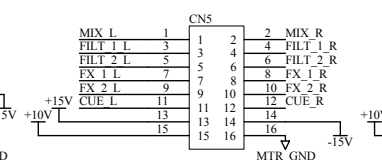
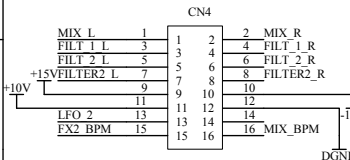
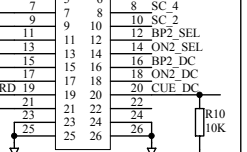
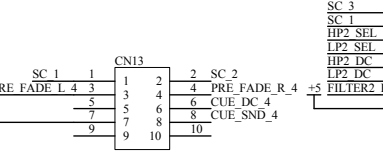
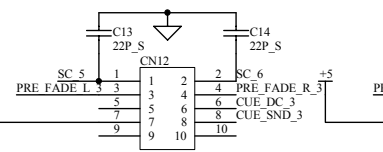
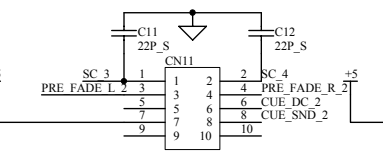
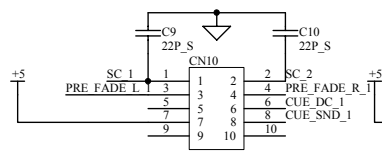
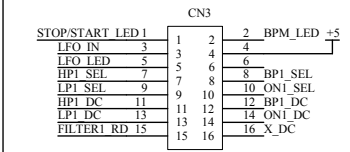
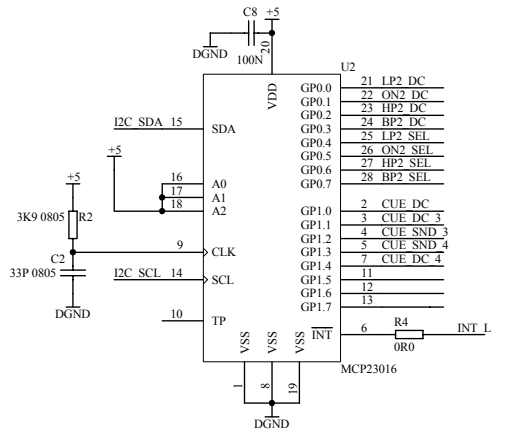
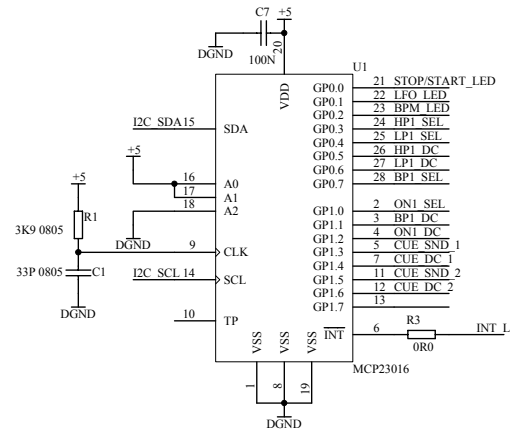
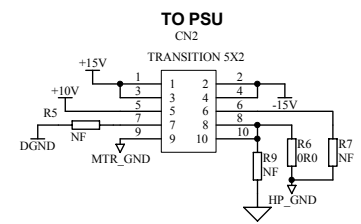
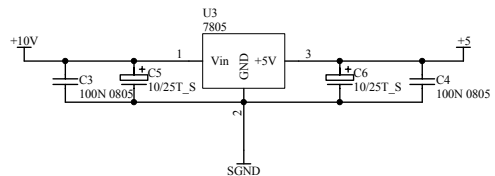
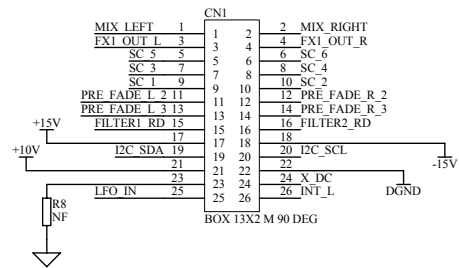
A I B C D E F G H

UL 94U-0

AG6230\_2\_XONE3D\_ANALOGUE\_SLAVE







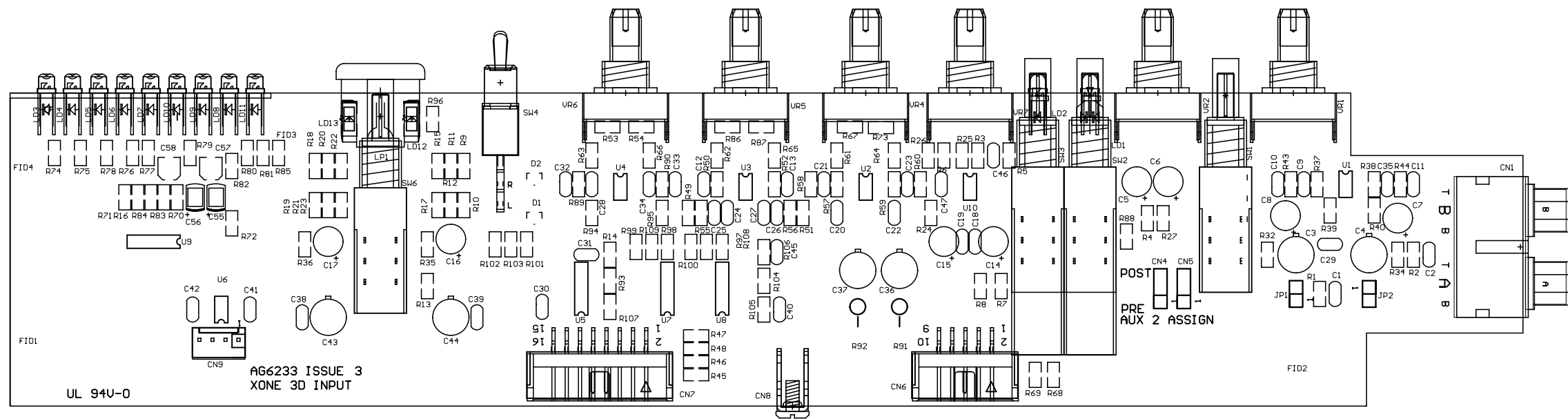
**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

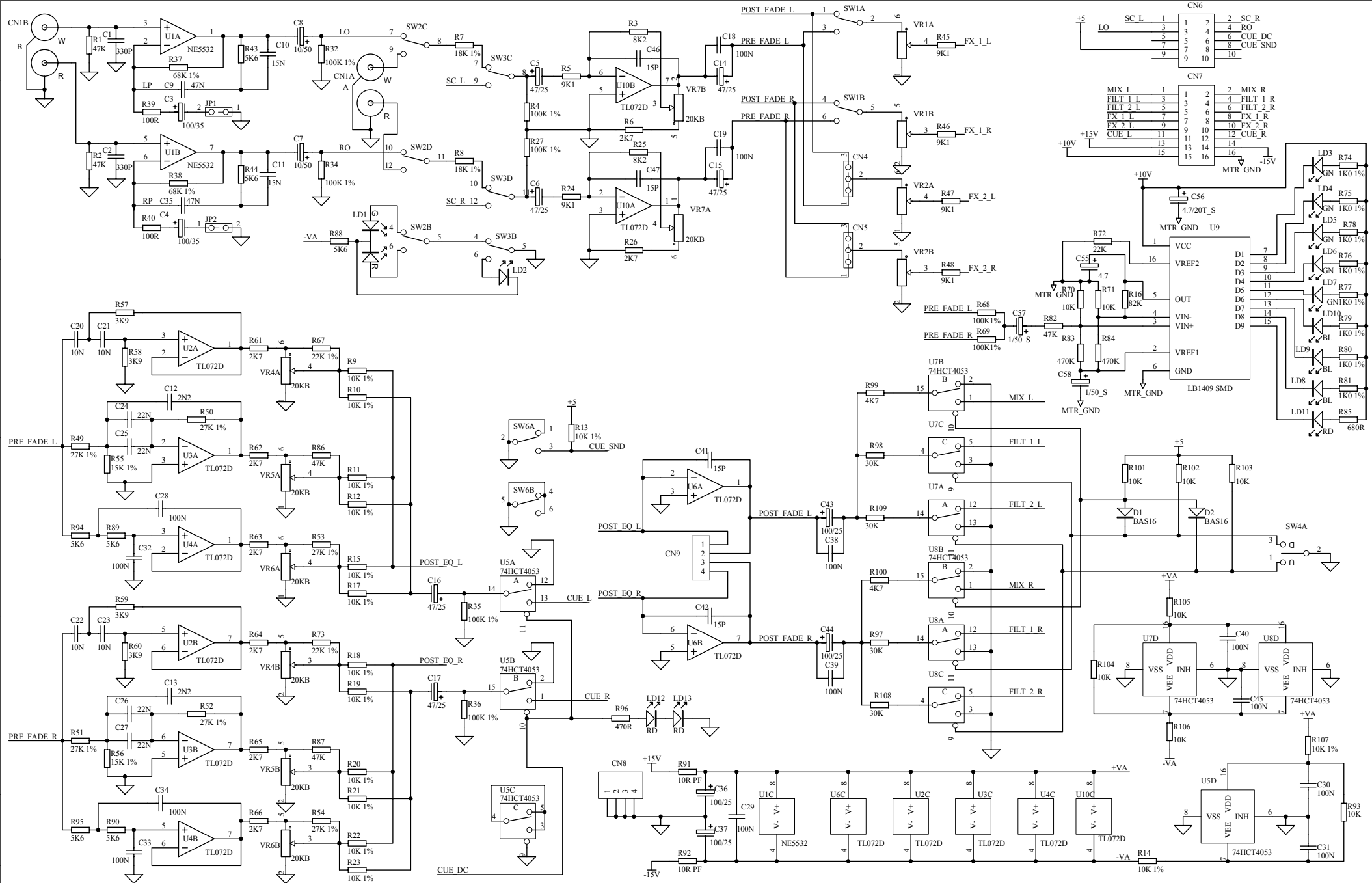
ISSUE	BY	DATE	CHK BY
2	ARJ	03-03-06	

FILE: C6230\_2 ANALOGUE SLAVE.Sch

PRINTED: 14:56:04 18-Apr-2007

TITLE: Xone 3D analogue slave  
 PAGE:  
 DRG No: c6230 ISSUE: 2 SHEET: 1 of 1





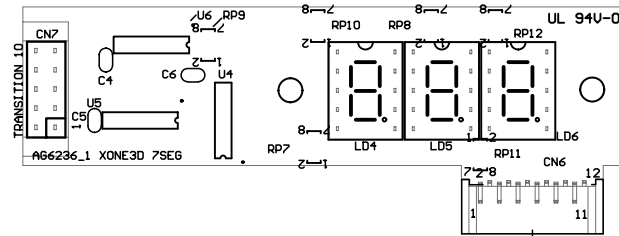
**ALLEN&HEATH**  
 Kernick Industrial Estate,  
 Penryn, Cornwall,  
 England. TR10 9LU  
 Tel: +44 (0)8707 556250  
 Fax: +44 (0)8707 556251

ISSUE	BY	DATE	CHK BY
B 2	ARJ AAT	21-06-05 24-11-05	Text

LP1	A11	A12	FID1	FID2	FID3	FID4	SW4B	VR6C	VR5C	VR4C	BRK1	VR2C	VR1C
○	○	○	○	○	○	○	□	□	□	□	□	□	□

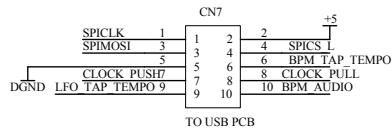
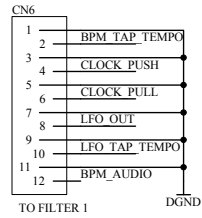
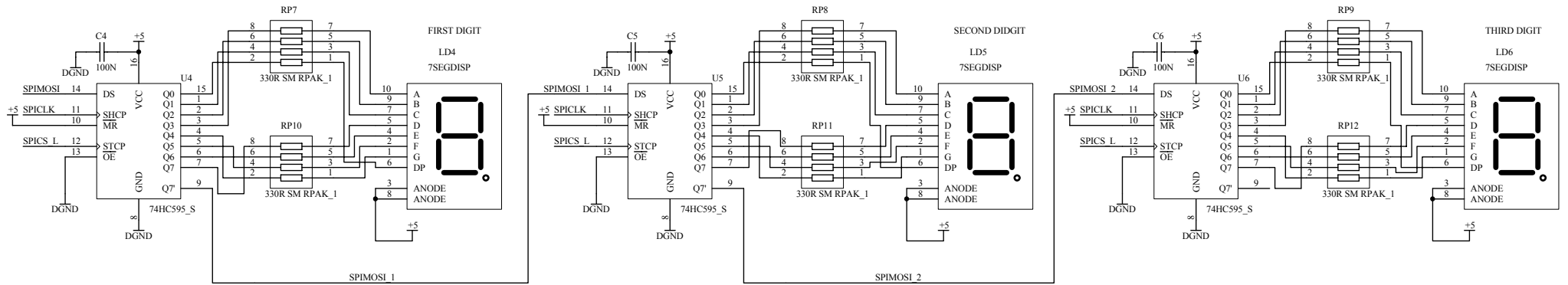
TITLE: **XONE 3D INPUT PCB**  
 PAGE:  
 DRG No: **C6233** ISSUE: **2** SHEET: **1 OF 1**  
 PRINTED: 15:03:17 18-Apr-2007

XONE3D 7 SEG AG6236\_1



TOP OVERLAY

.GTO



**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
B 1	RW ARJ	15-5-05 13-10-05	

FID3 FID4 FH3 FH4

FILE: AG6236\_2 7 SEG DISPLAY.Sch

PRINTED: 17:36:24 18-Apr-2007

TITLE: LED DISPLAY PCB

PAGE:

DRG No: C6236 ISSUE: 1 SHEET: 1 of 1