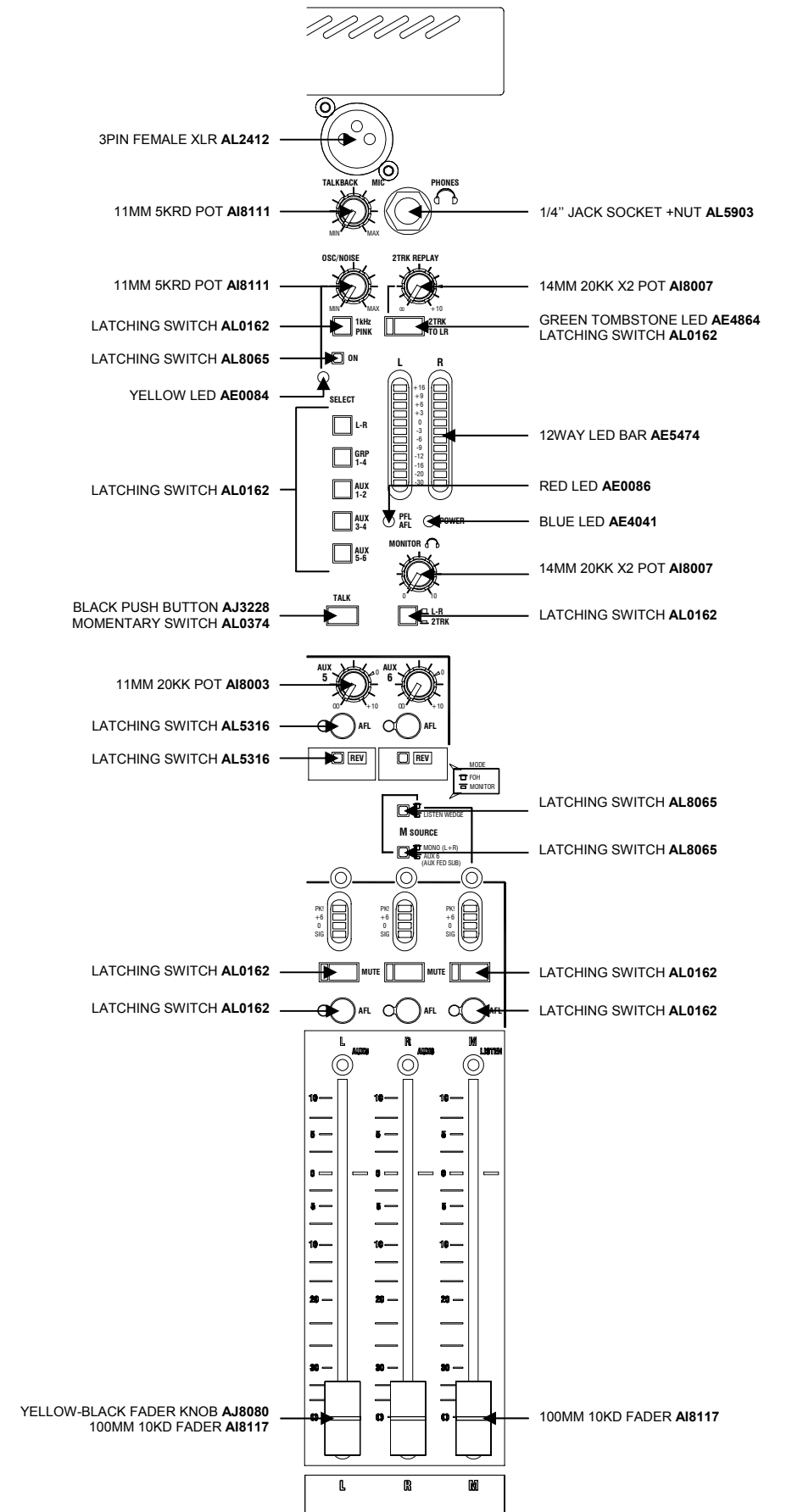
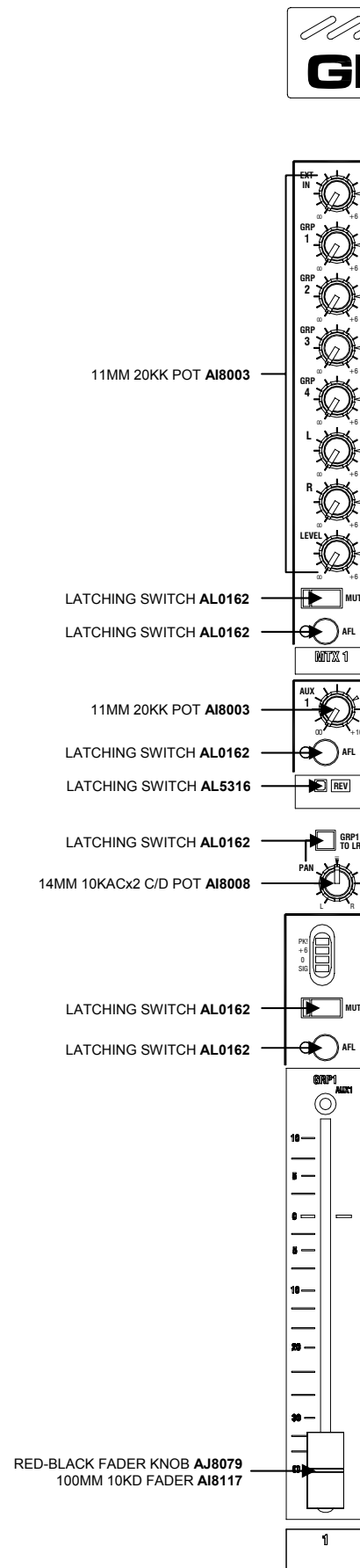
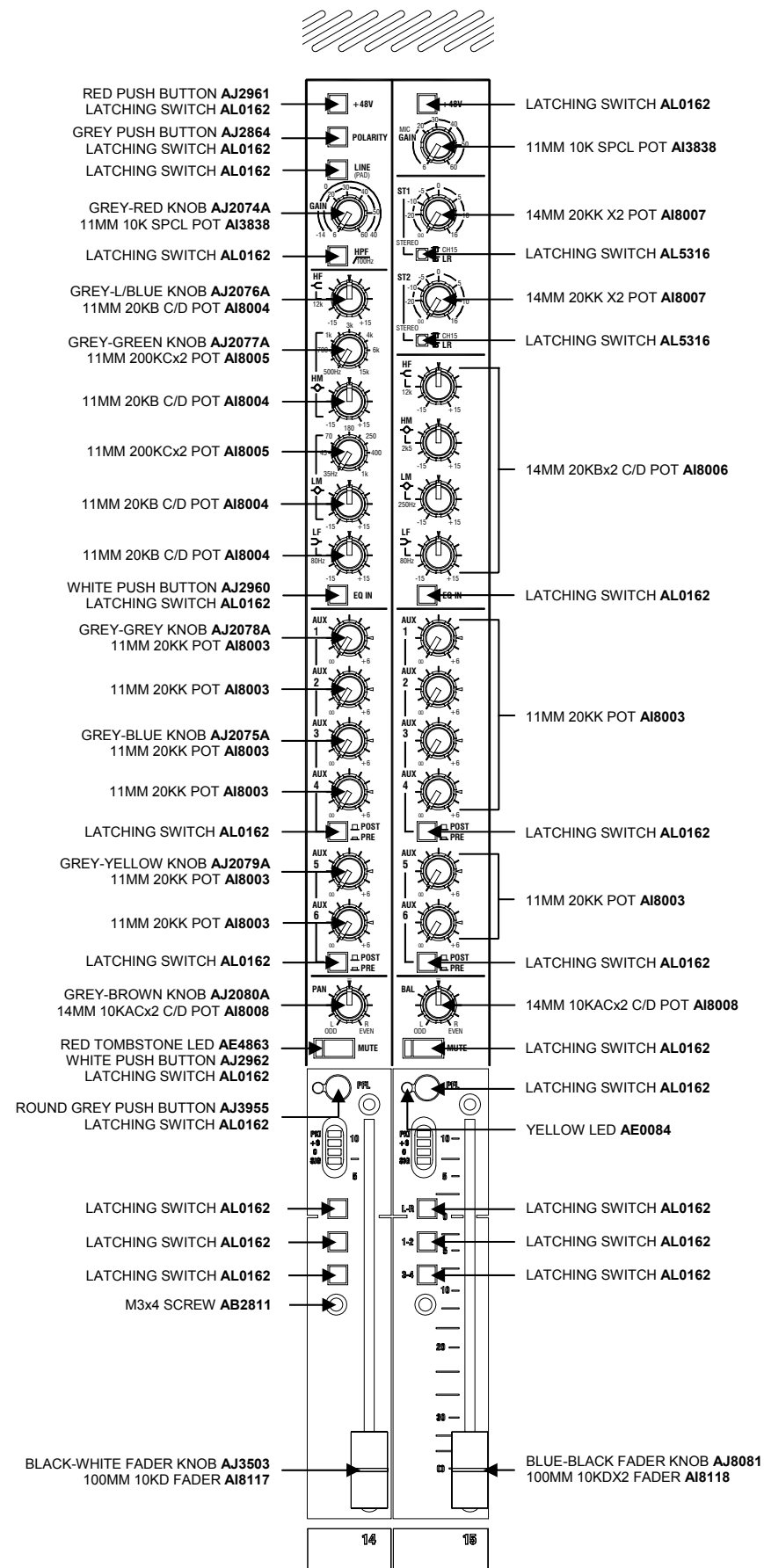
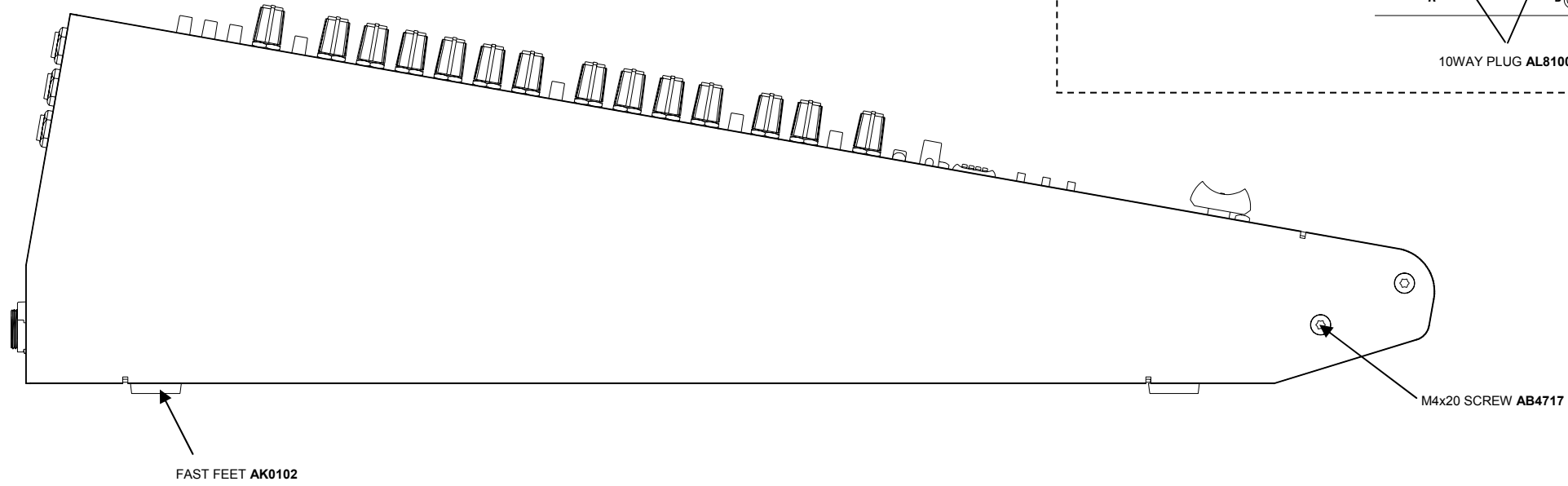
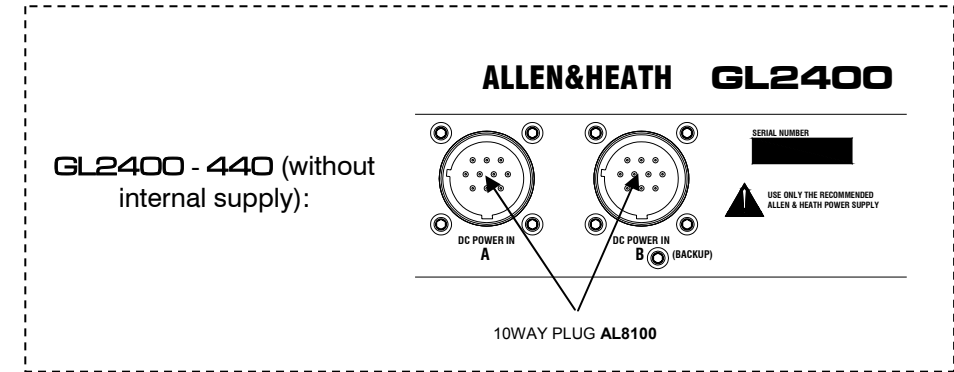
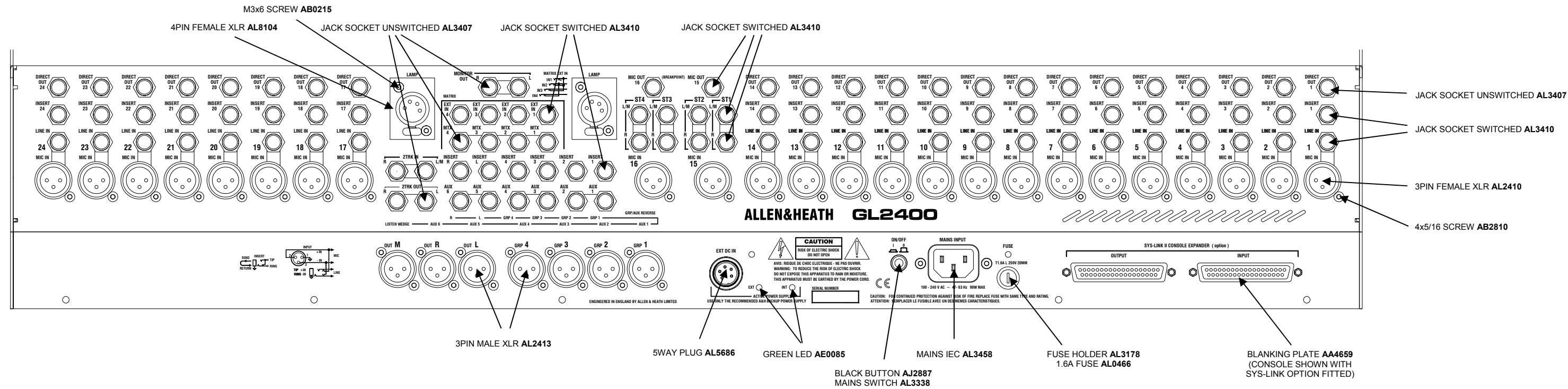


GL2400 Surface Parts



GL2400 Surface Parts

(GL2400-424 shown)



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Parts identification sheet

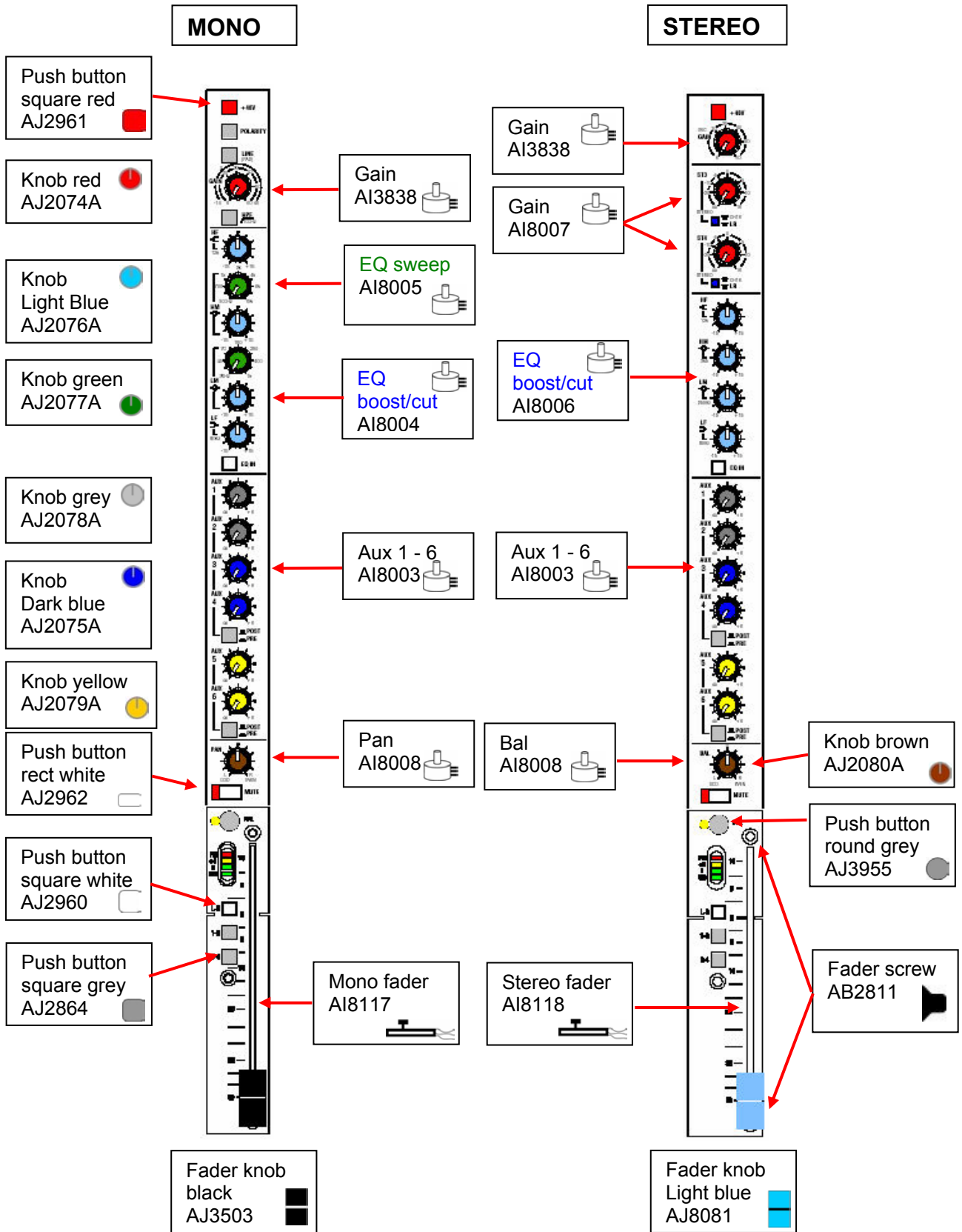
GL2400

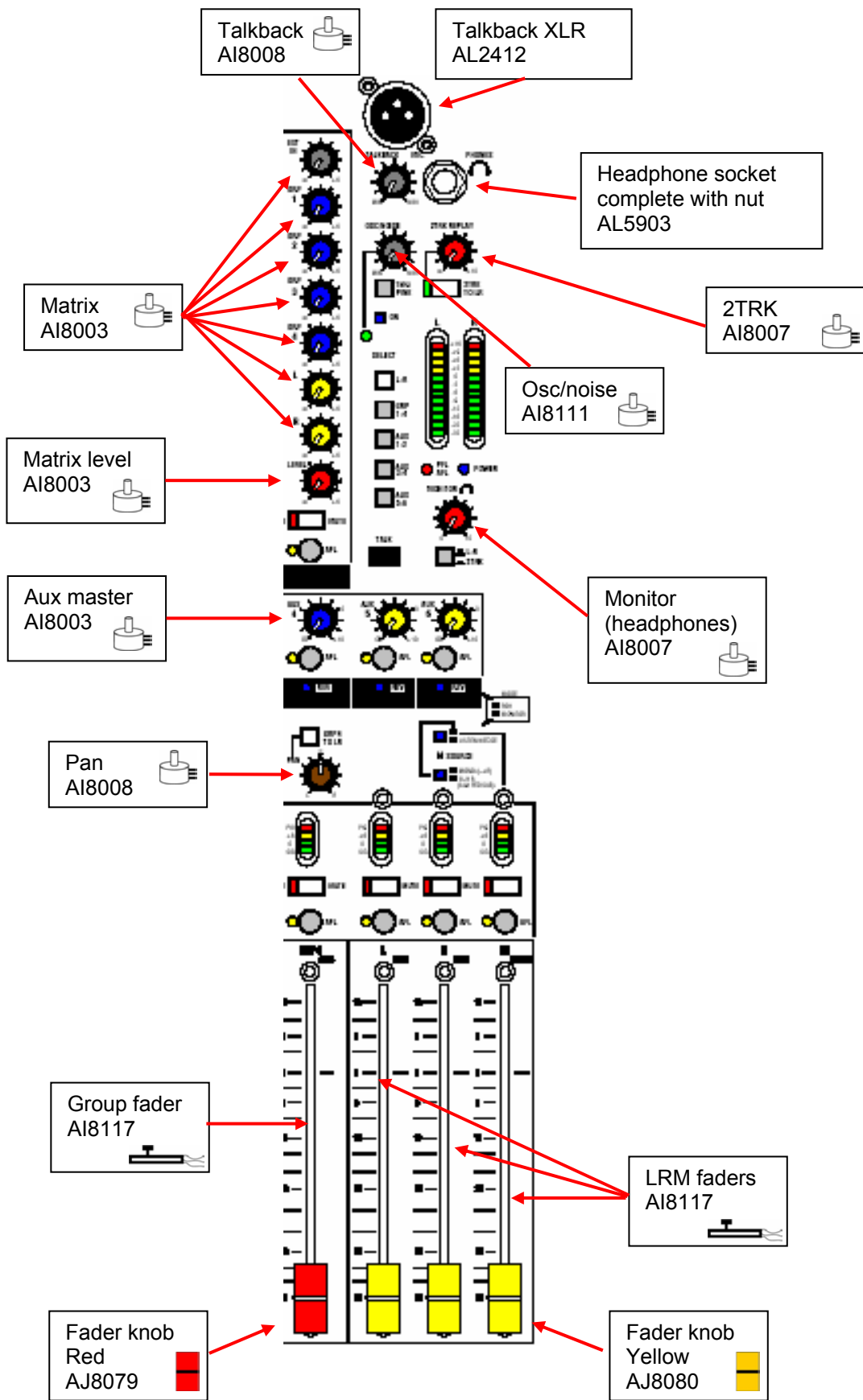
How to order parts

Parts must be ordered from our distributor in your territory. A list of international distributors can be viewed at <http://www.allen-heath.com/UK/distributors.asp>

UK parts must be ordered through an appointed A&H dealer or service centre. A list of UK service centres can be viewed at http://www.allen-heath.com/UK/service_centres.asp

EXTERIOR PARTS:



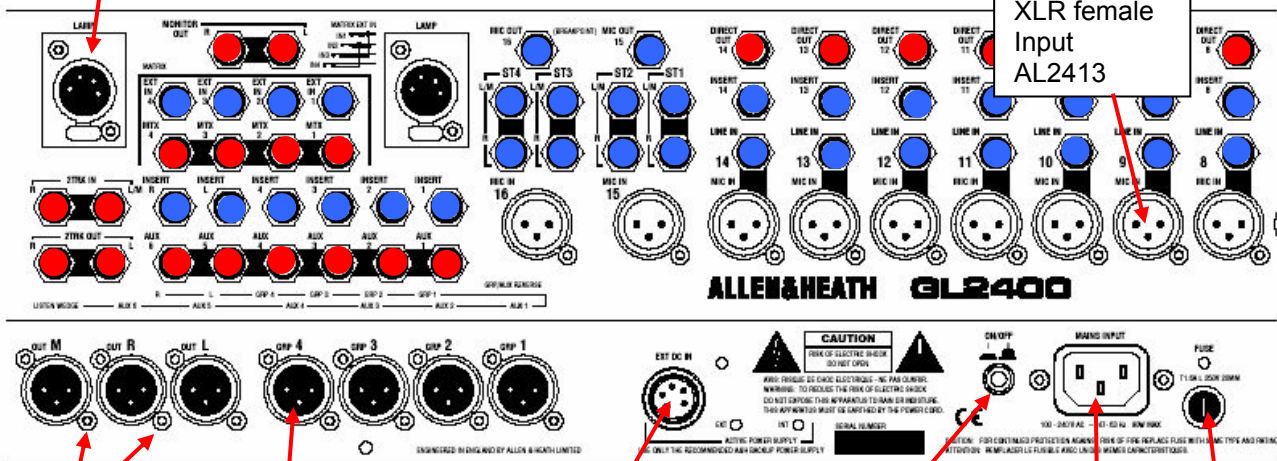


Jack sockets
Nuts supplied only with complete socket
 Direct Out
 2 trk
 Matrix
 Monitor
 Aux
 AL3407 ●

Jack sockets
Nuts supplied only with complete socket
 Insert
 Matrix EXT IN
 Line In
 Stereo Mic OUT
 Stereo Line IN
 AL3410 ●

Lamp socket
 AL8104

XLR female
 Input
 AL2413




XLR screw
 AB2810




XLR male
 Output
 AL2413

DC socket
 AL5686

Power switch
 AL2413



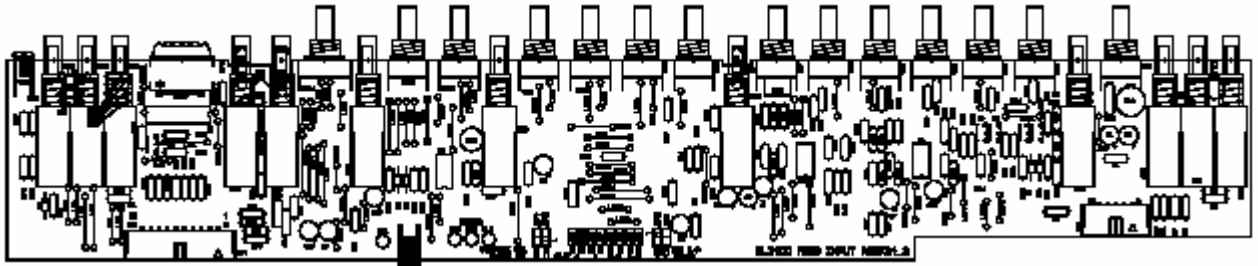
Button
 AJ2887



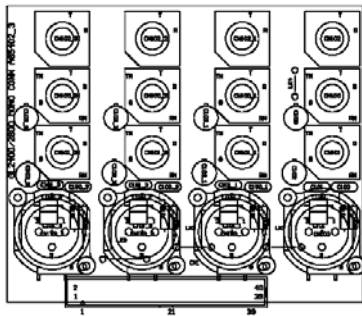
Fuse holder

AC mains
 socket AL3458

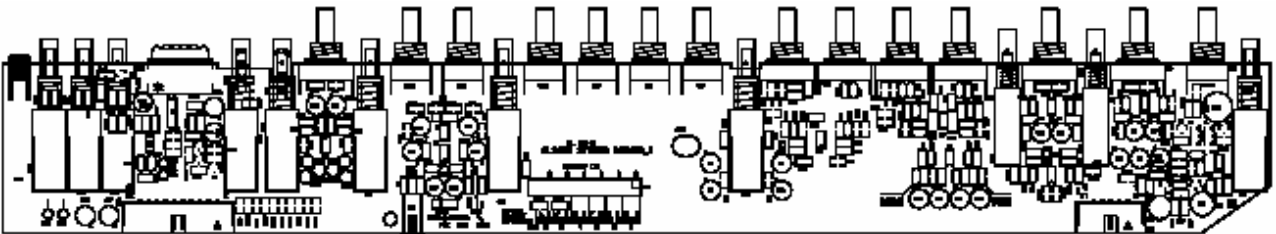
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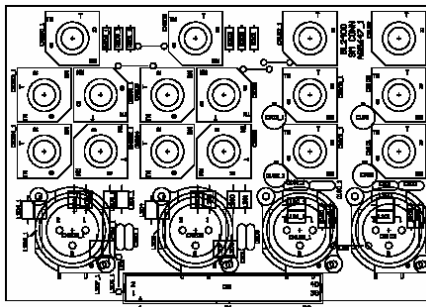
Mono I/P 003-221



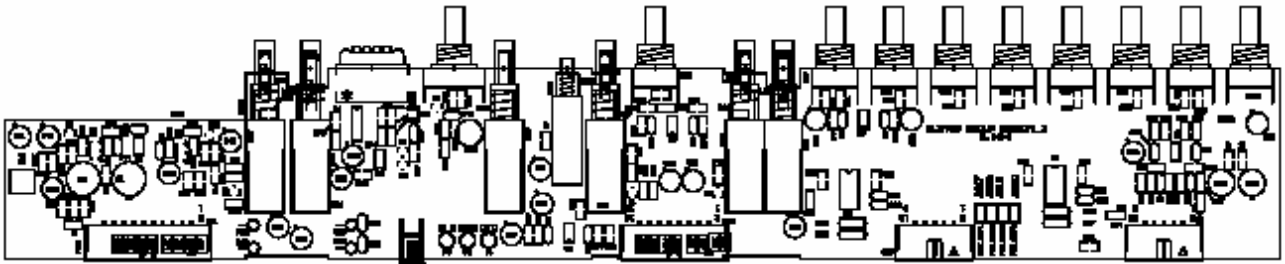
Mono connector 003-228



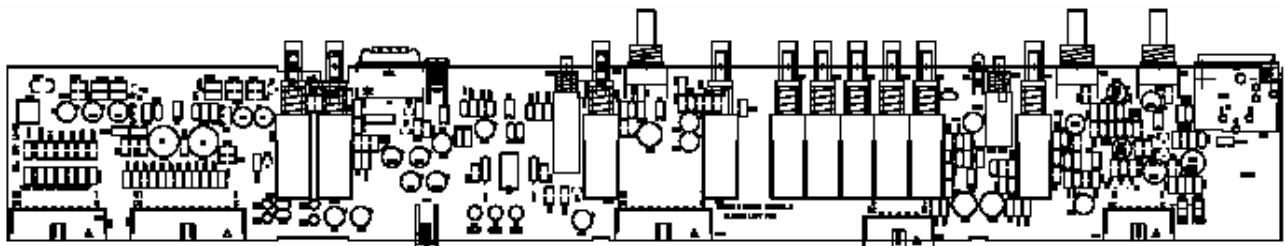
Stereo I/P 003-243



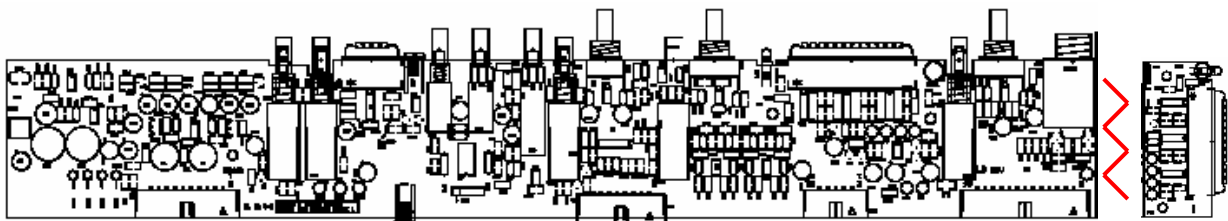
Stereo connector 003-245



Group PCB 003-267

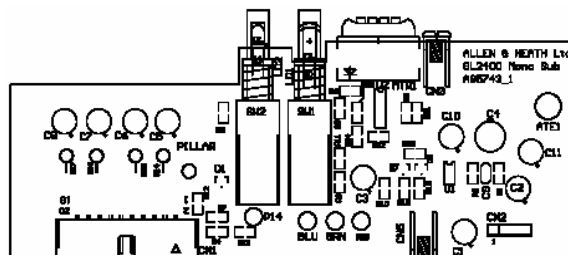


Master Left PCB 003-271

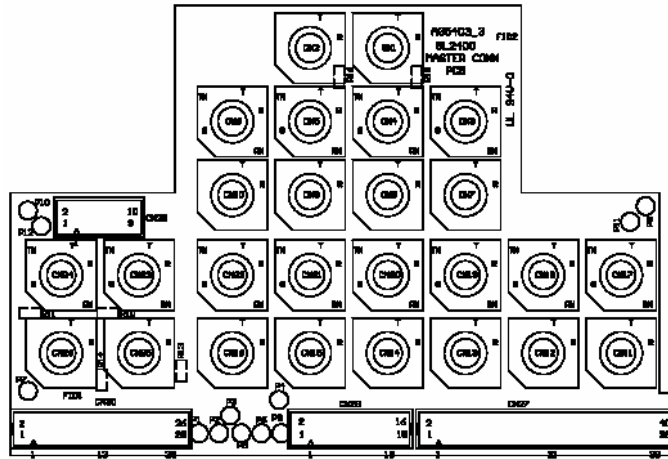


Master Right PCB 003-268

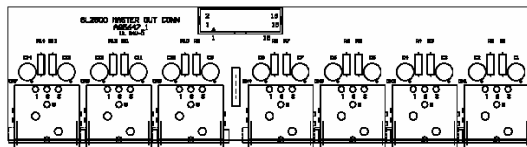
Includes meter PCB snap off.



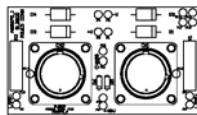
Mono O/P sub 003-225



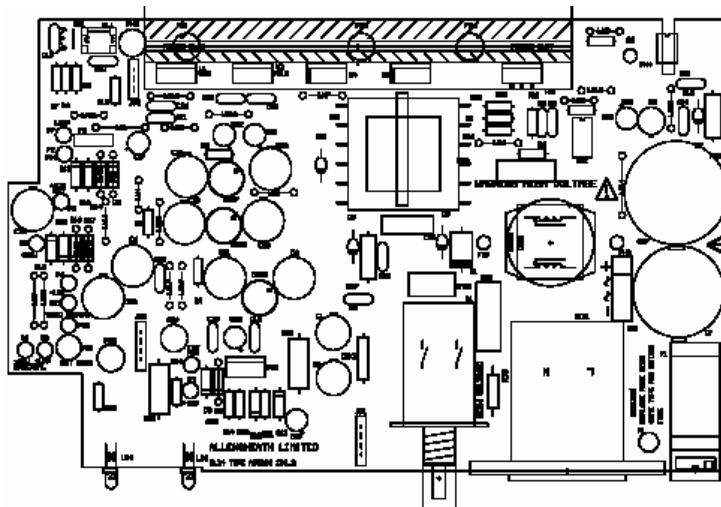
Master connector 003-229



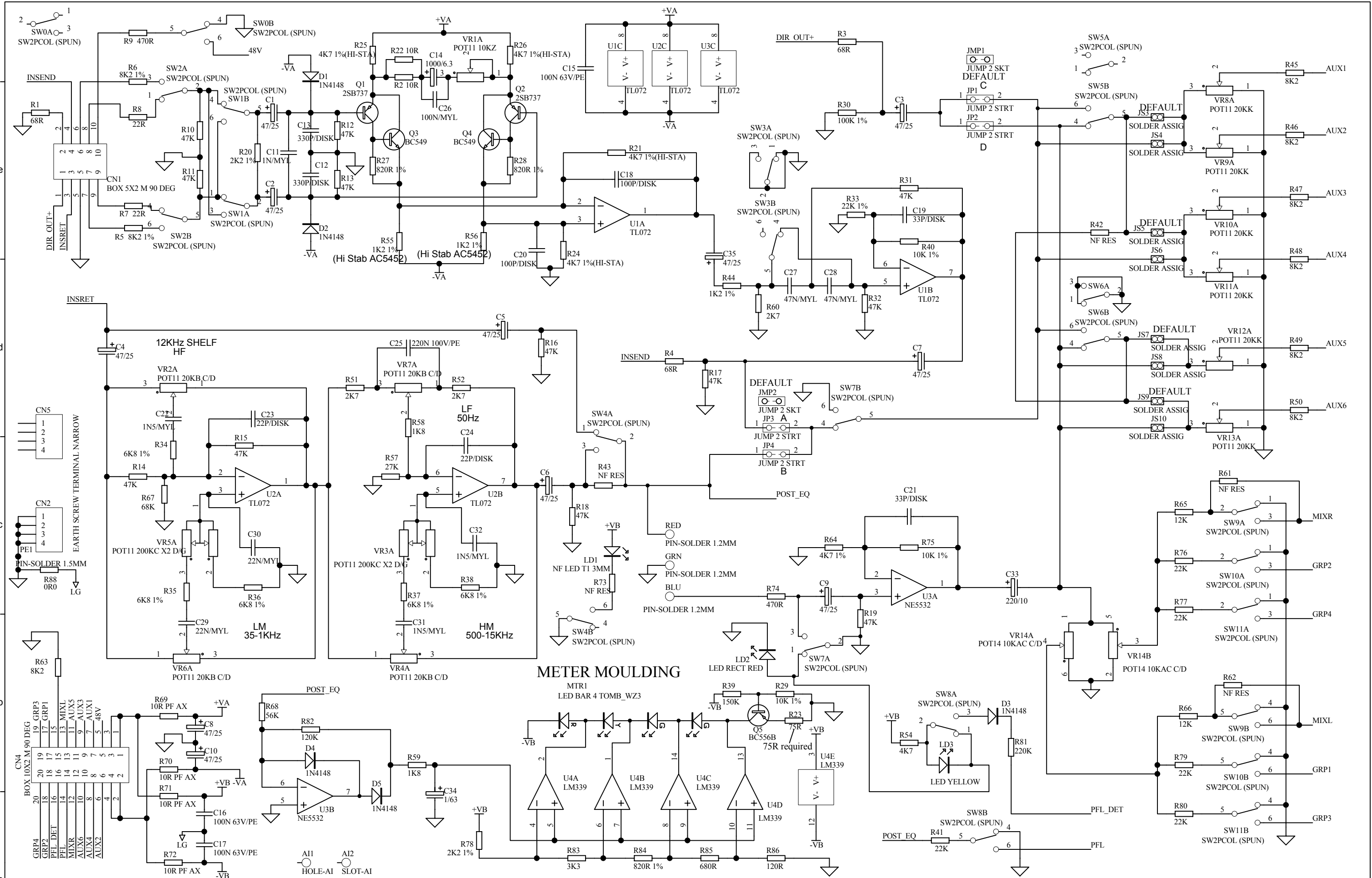
Master O/P connector 003-246



DC power connector PCB 003-372



PSU PCB 003-230



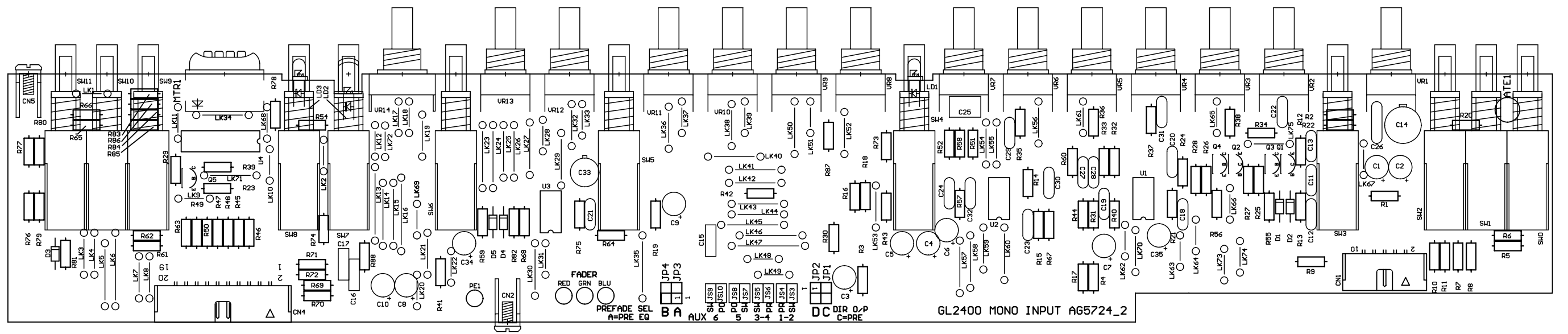
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 England. TR10 9LU
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 Fax: +44 (0)8707 556251

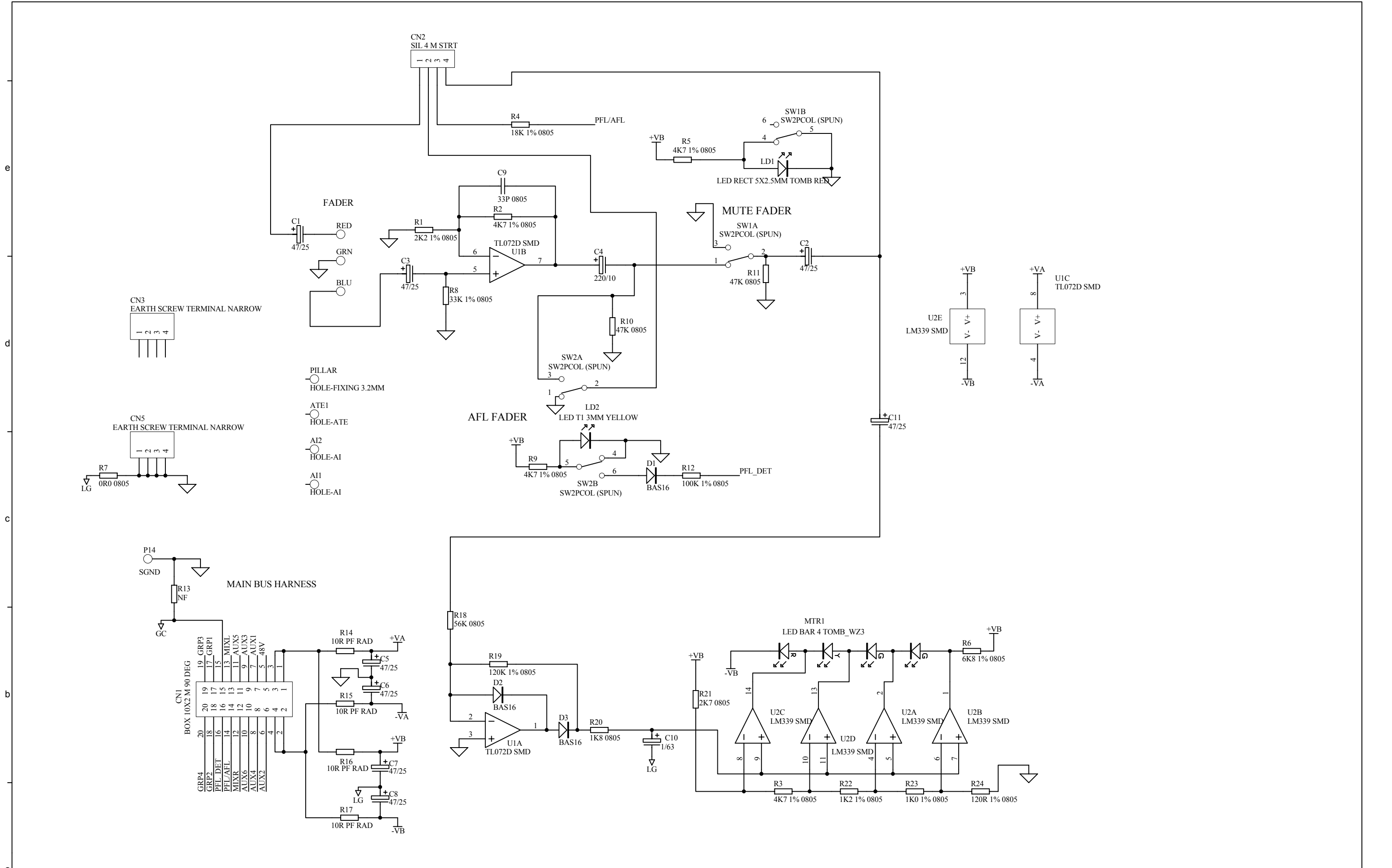
| ISSUE | BY | DATE | CHK BY |
|-------|----|----------|--------|
| A | JB | 07/04/04 | XXX |
| B | MG | 29/04/04 | XXX |
| 1 | MG | 23/08/04 | XXX |
| 1.1 | MG | 22/09/04 | KV |
| 2 | MG | 29/09/04 | KV |
| 2.1 | MG | 15/10/04 | KV |

| BRKT | VR1B | VR2B | VR3B | VR4B | VR5B | VR6B | VR7B | VR8B | VR9B | VR10B | VR11B | VR12B | VR13B | VR14C | R87 |
|------------|----------------|--------------------|----------------|--------------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----|
| POT11 10KZ | POT11 20KB C/D | POT11 200KC X2 D/G | POT11 20KB C/D | POT11 200KC X2 D/G | POT11 20KB C/D | POT11 20K | POT11 20K | POT11 20K | POT11 20K | POT11 20K | POT11 20K | POT11 20K | POT11 20K | POT14 10KAC C/D | 1K0 |

FILE: C5724_2-1P1.Sch

TITLE: **GL2400 MONO INPUT**
 PAGE:
 DRG No: C5724 ISSUE: 2.1 SHEET: 1 OF 1





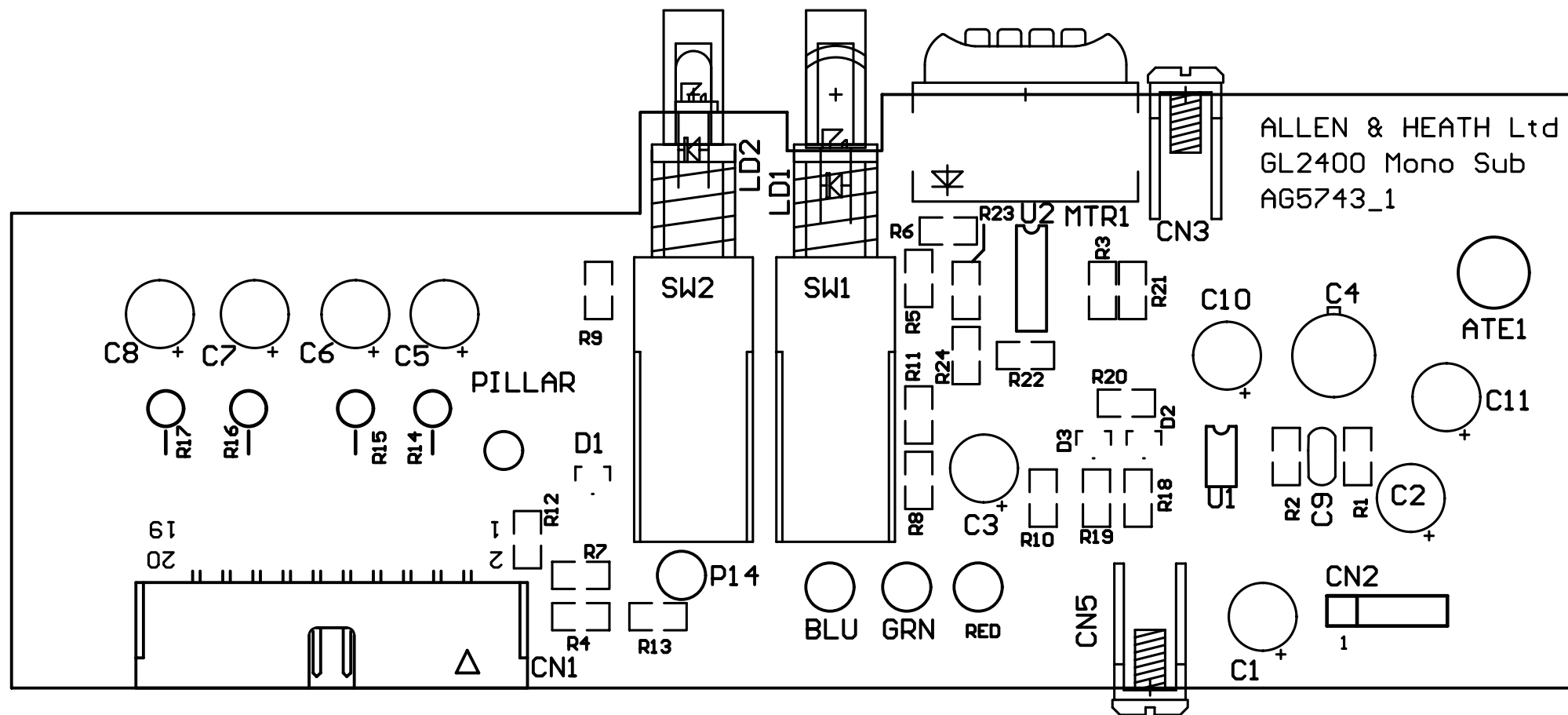
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| ISSUE | BY | DATE | CHK BY |
|-------|----|---------|--------|
| 1 | MG | 31-8-04 | |
| 1.1 | MG | 31-8-04 | KV |

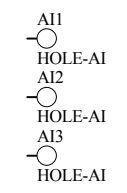
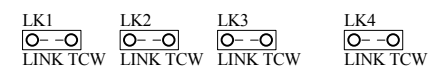
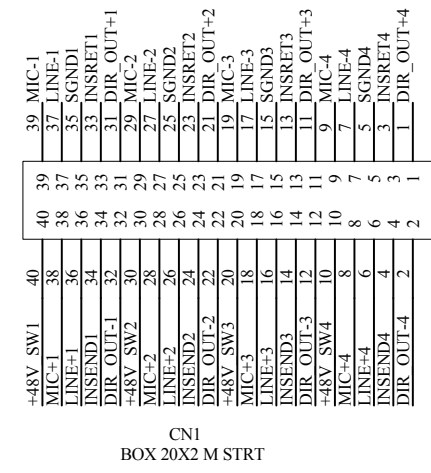
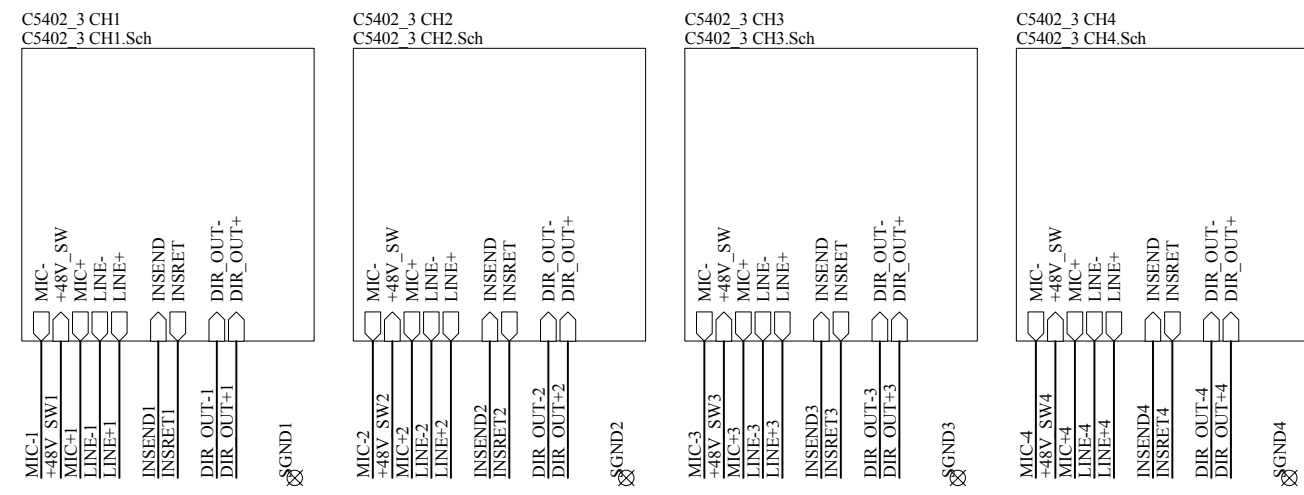
FILE: C5743_1-1.Sch

PRINTED: 11:04:07 19-Apr-2005

TITLE: GL2400 MONO OUT SUB
 PAGE:
 DRG No: 5743 ISSUE: 1.1 SHEET: 1 OF 1



e
d
c
b
a



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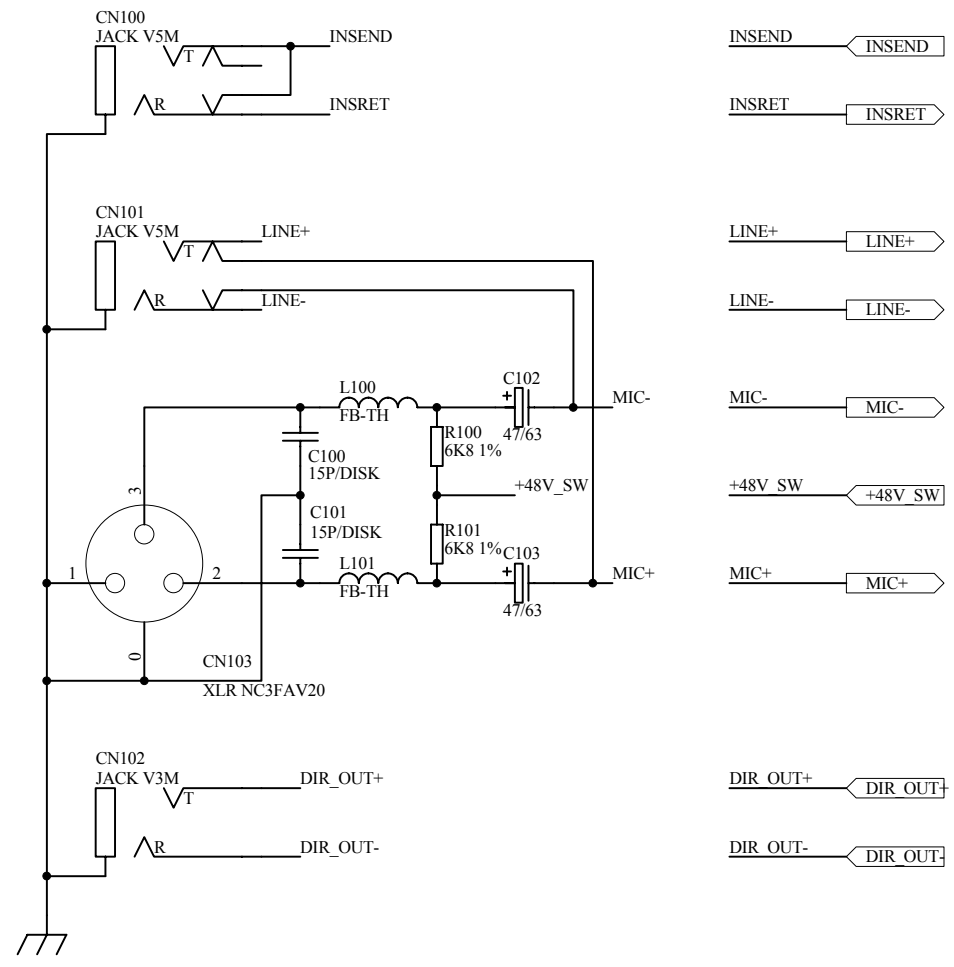
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|-------|-----|----------|--------|
| A | AAT | 12-11-03 | XXX |
| 1 | MG | 24-8-04 | XXX |
| 2 | MG | 25/02/05 | XXX |
| 3 | MG | 29/04/05 | XXX |

FILE: C5402_3.Sch

PRINTED: 10:15:52 7-Jun-2005

TITLE: **GL2400 MONO CONN PCB**
 PAGE: FRONT
 DRG No: **C5402** ISSUE: 3 SHEET: 1 OF 5

e
d
c
b
a



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|-------|-----|----------|--------|
| A | AAT | 12-11-03 | XXX |
| 1 | MG | 24-8-04 | XXX |
| 2 | MG | 25/02/05 | XXX |
| 3 | MG | 29/04/05 | XXX |

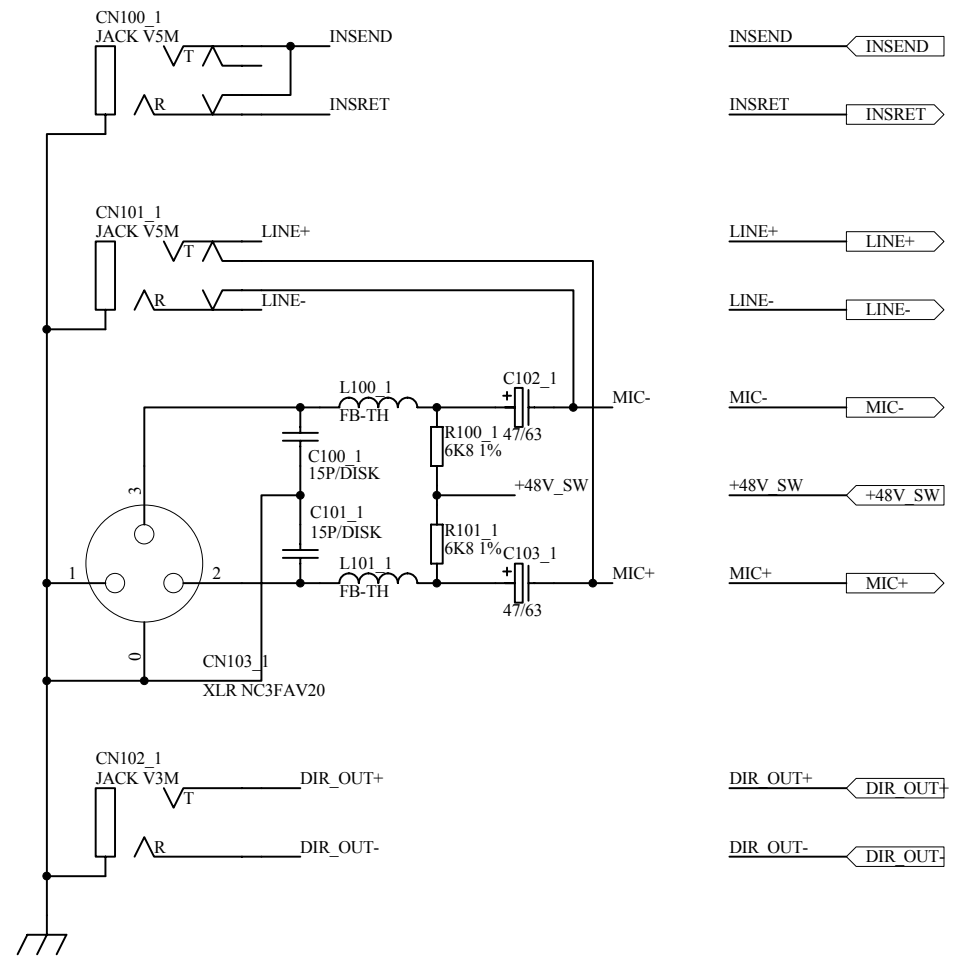
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PRINTED: 10:15:52 7-Jun-2005

TITLE: **GL2400 MONO CONN PCB**
 PAGE: CH1 CONNS
 DRG No: **C5402** ISSUE: 3 SHEET: 2 OF 5

003-228 iss.3

e
d
c
b
a



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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | AAT | 12-11-03 | XXX |
| 1 | MG | 24-8-04 | XXX |
| 2 | MG | 25/02/05 | XXX |
| 3 | MG | 29/04/05 | XXX |

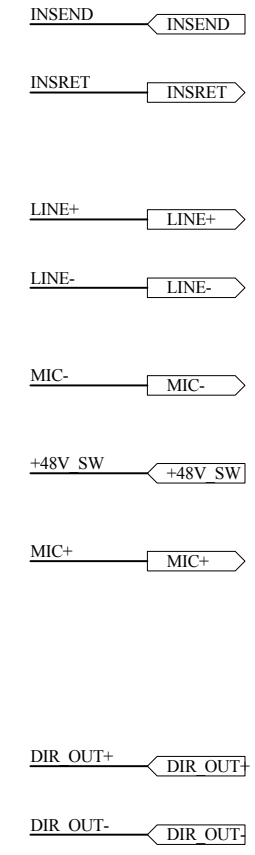
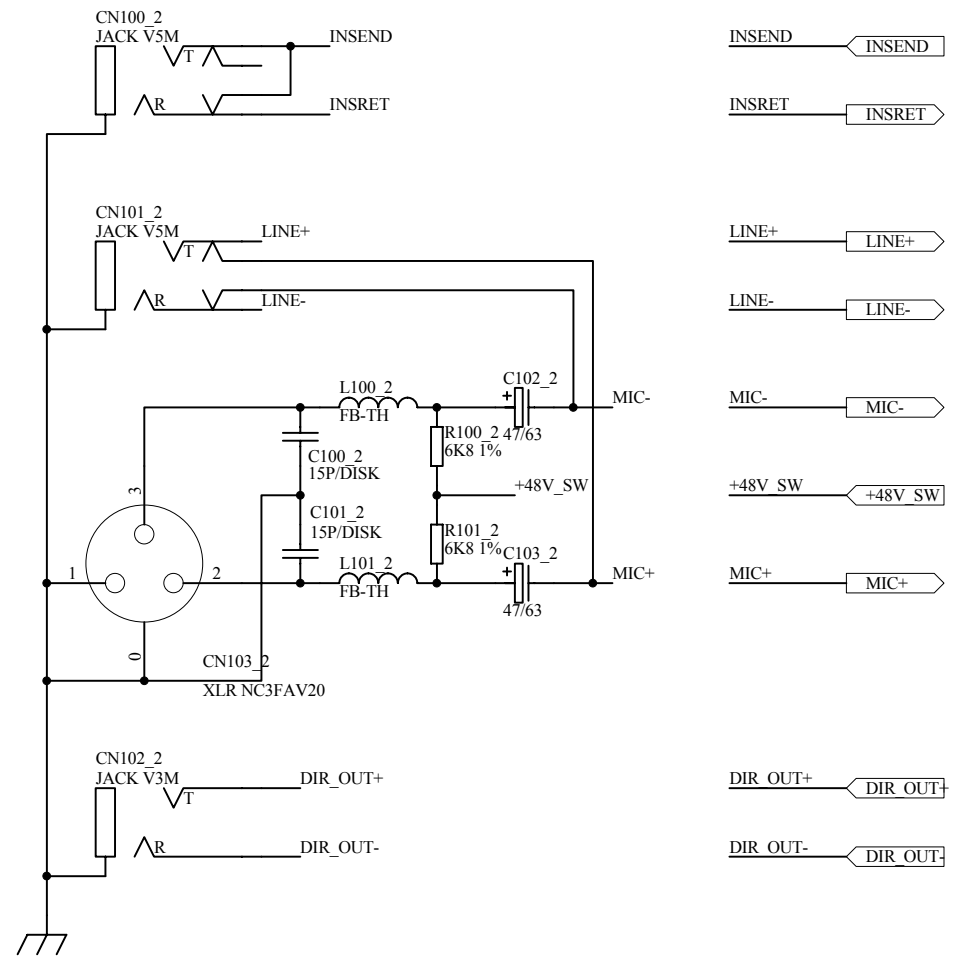
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PRINTED: 10:15:52 7-Jun-2005

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 PAGE: CH2 CONNS
 DRG No: **C5402** ISSUE: 3 SHEET: 3 OF 5

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e
d
c
b
a



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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | AAT | 12-11-03 | XXX |
| 1 | MG | 24-8-04 | XXX |
| 2 | MG | 25/02/05 | XXX |
| 3 | MG | 29/04/05 | XXX |

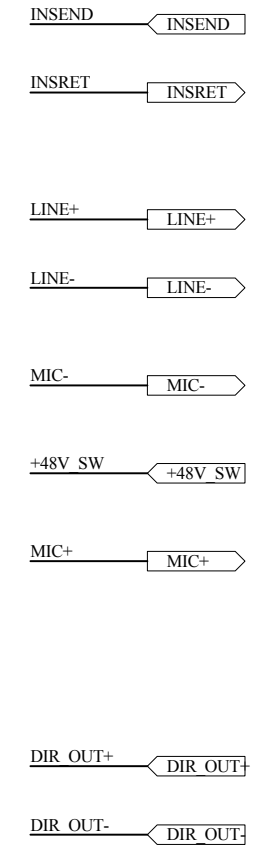
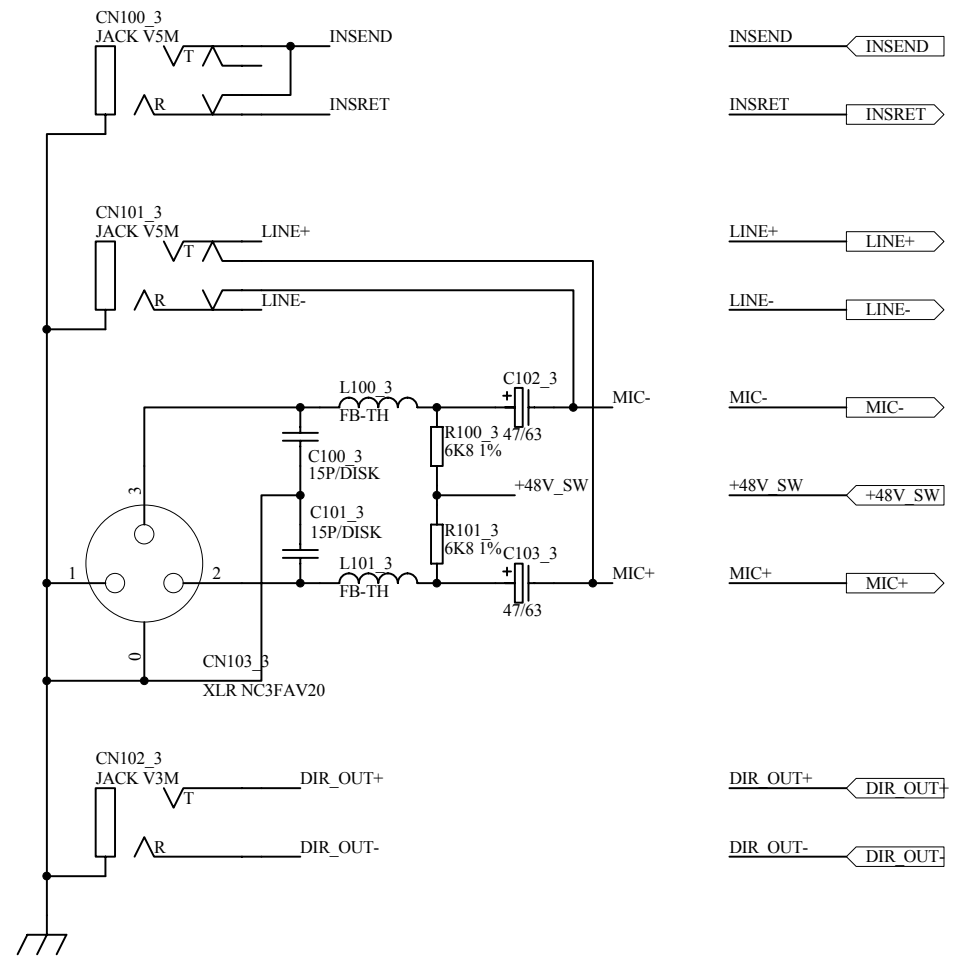
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PRINTED: 10:15:52 7-Jun-2005

TITLE: **GL2400 MONO CONN PCB**
 PAGE: CH3 CONNS
 DRG No: **C5402** ISSUE: 3 SHEET: 4 OF 5

003-228 iss.3

e
d
c
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a



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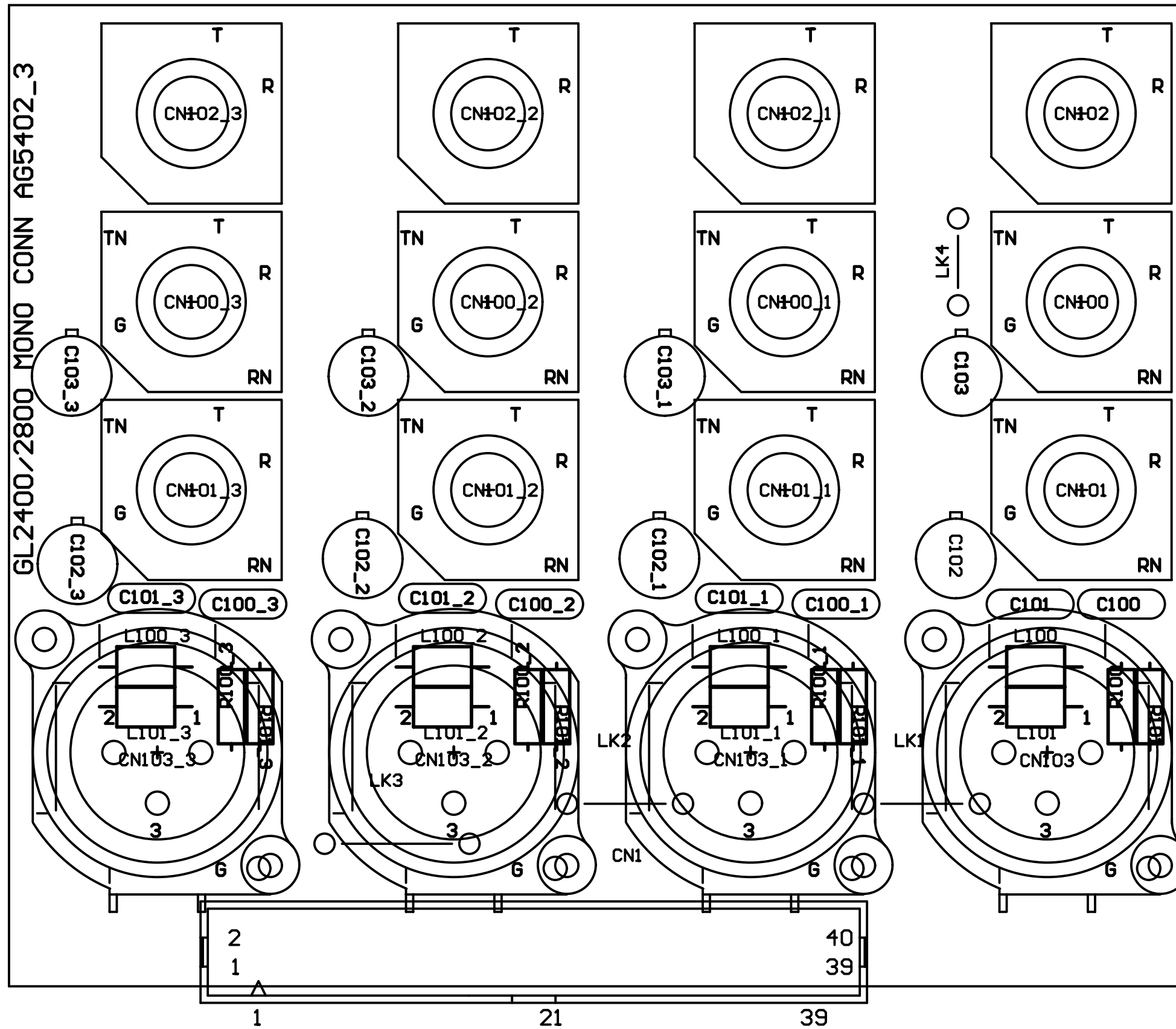
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| 1 | MG | 24-8-04 | XXX |
| 2 | MG | 25/02/05 | XXX |
| 3 | MG | 29/04/05 | XXX |

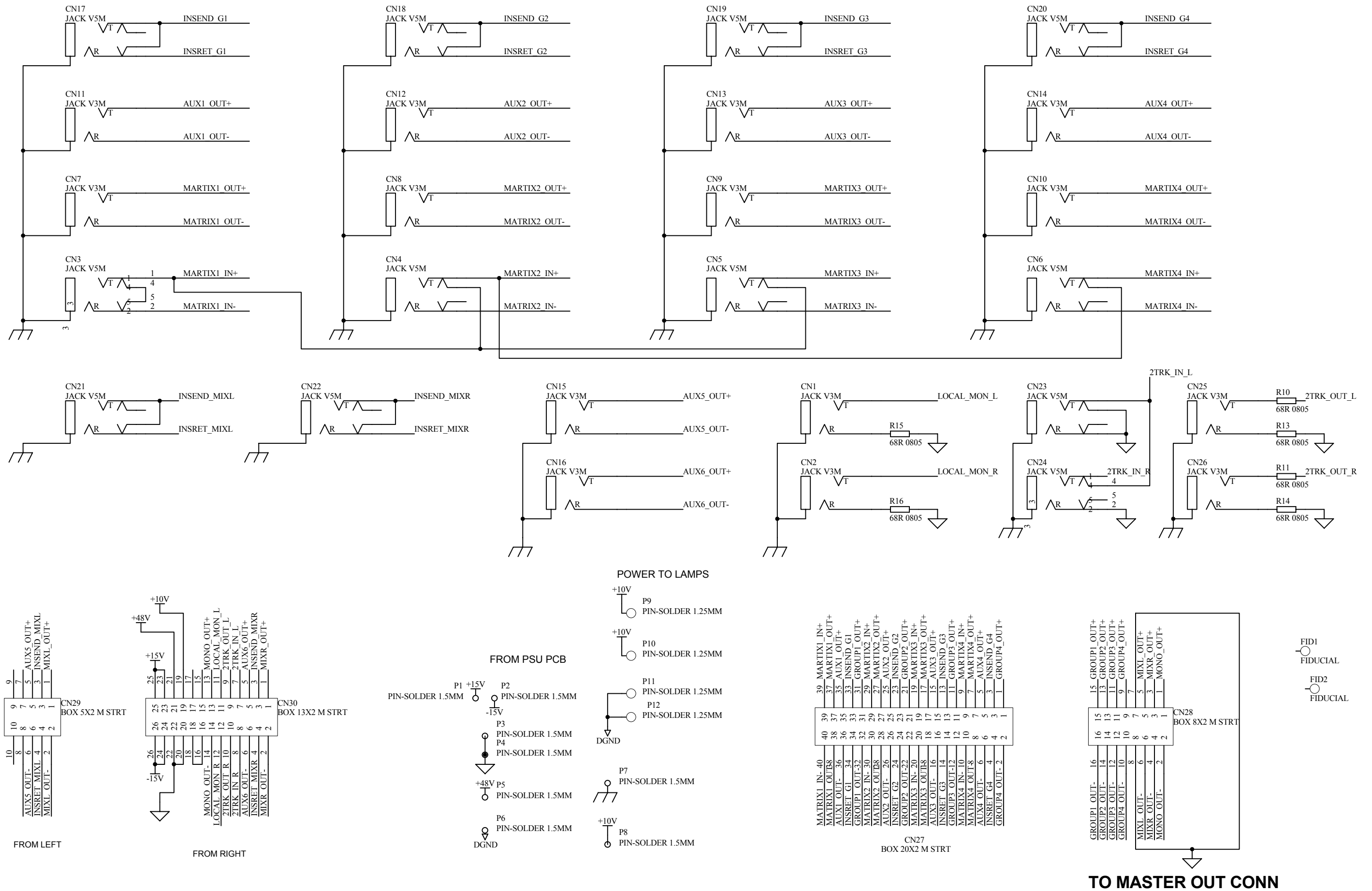
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PRINTED: 10:15:52 7-Jun-2005

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 PAGE: CH4 CONNS
 DRG No: **C5402** ISSUE: 3 SHEET: 5 OF 5

003-228 iss.3





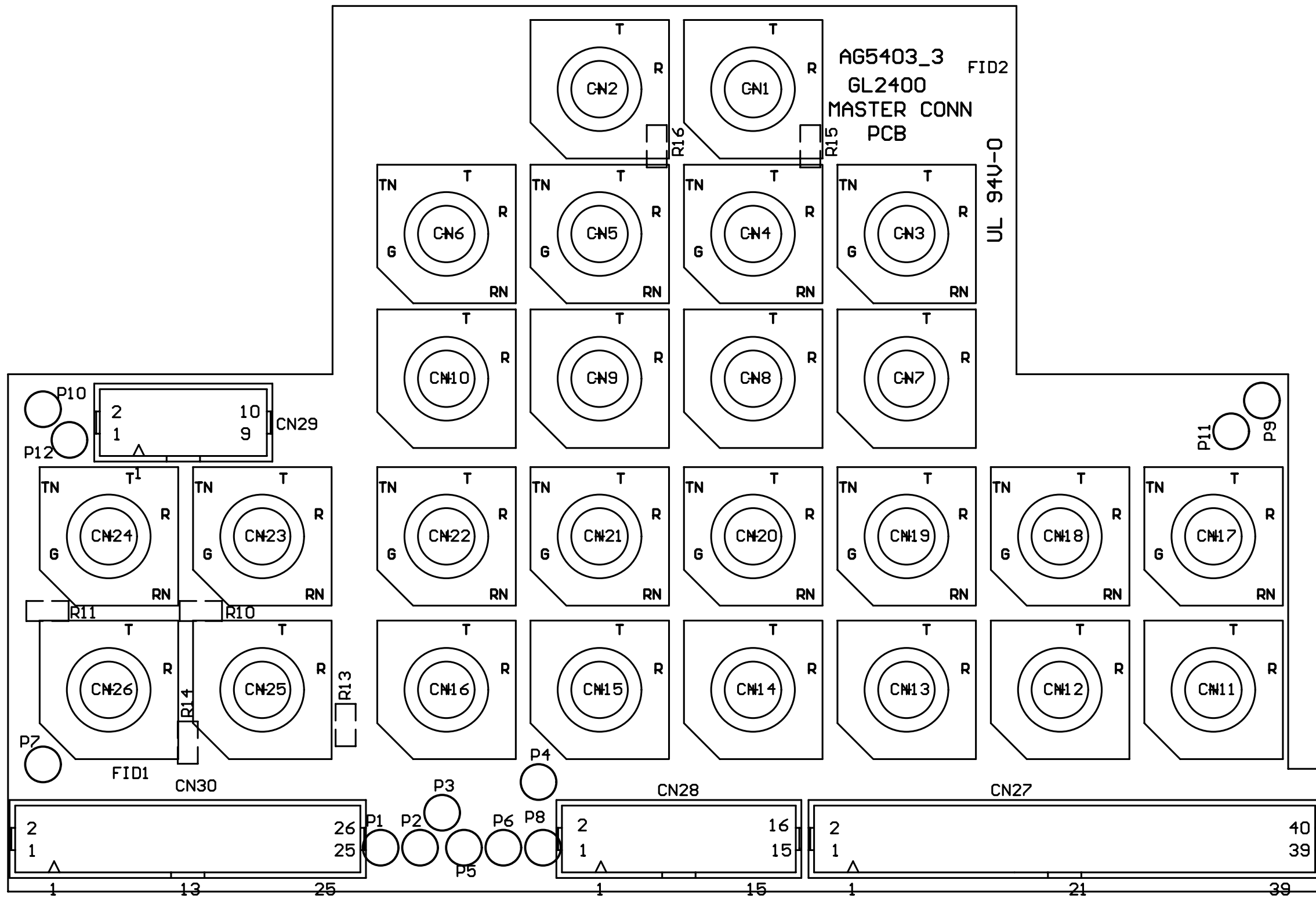
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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | AAT | 07-01-04 | XXX |
| B | AAT | 12-05-04 | XXX |
| 1 | MG | 31-8-04 | KV |
| 2 | MG | 28-9-04 | XXX |
| 3 | AAT | 13-04-05 | |

| | |
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| FILE: C5403_3.Sch | PRINTED: 10:21:49 7-Jun-2005 |
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|---------------------------------------|
| TITLE: GL2400 MASTER CONN PCB |
| PAGE: |
| DRG No: AG5403 ISSUE: 3 SHEET: 1 OF 1 |

003-229 iss.3



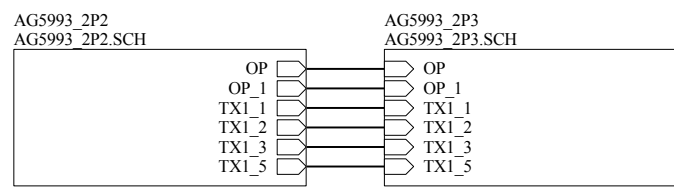
e

d

c

b

a



- LK1 LINK TCW
- LK2 LINK TCW
- LK3 LINK TCW
- LK4 LINK TCW
- LK5 LINK TCW
- LK6 LINK TCW
- LK7 LINK TCW
- LK8 LINK TCW
- LK9 LINK TCW
- LK10 LINK TCW
- LK11 LINK TCW
- LK12 LINK TCW
- LK13 LINK TCW
- LK14 LINK TCW
- LK15 LINK TCW
- LK16 LINK TCW
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- LK19 LINK TCW
- LK20 LINK TCW
- LK21 LINK TCW

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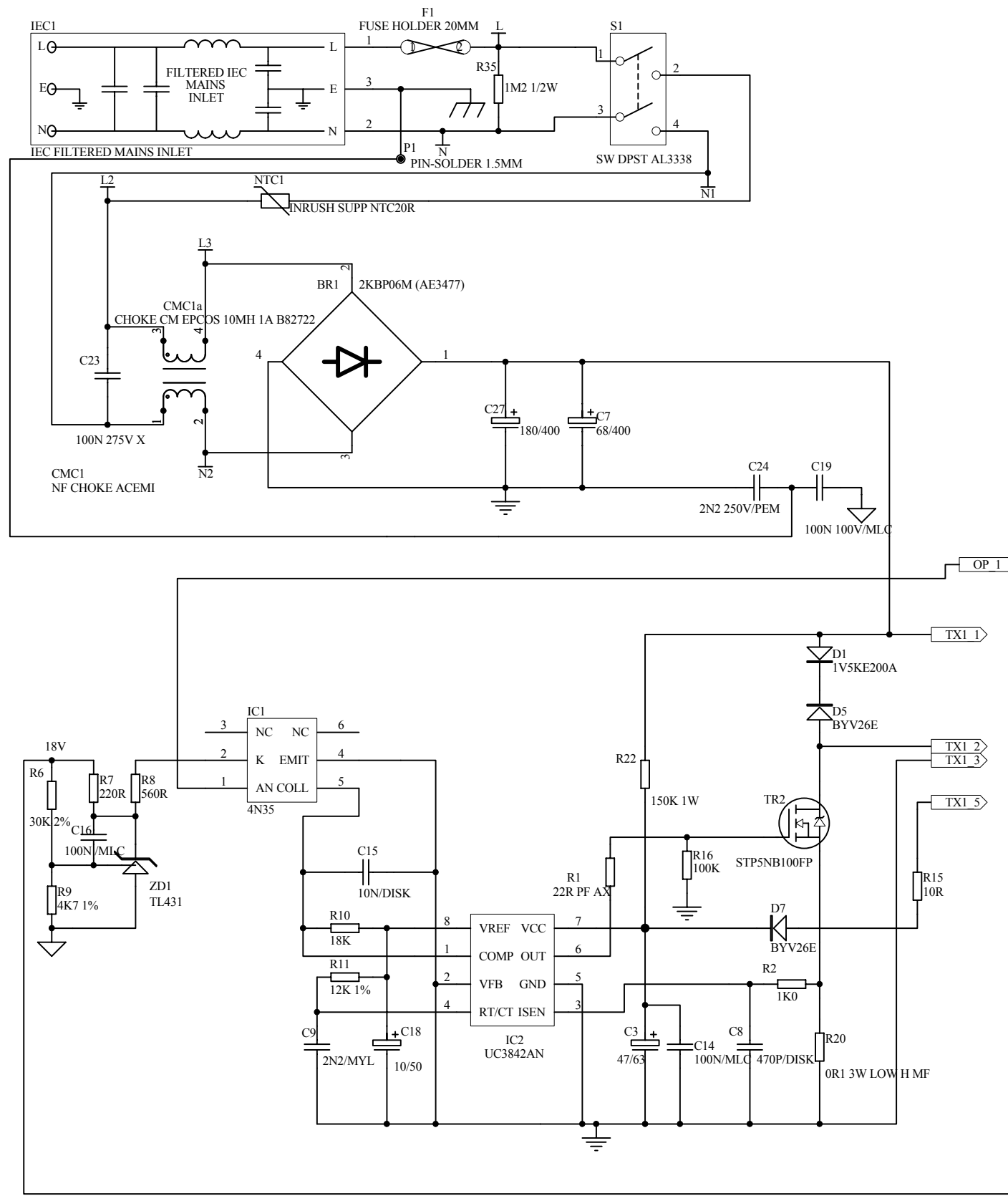
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| ISSUE | BY | DATE | CHK BY |
|-------|-----|------------|--------|
| 1 | SRT | 11-10-2004 | |
| 2 | SRT | 27-10-2004 | |

FILE: AG5993_2P1.SCH

PRINTED: 13:41:45 19-Apr-2005

TITLE: **GL2400 PSU**
 PAGE:
 DRG No: **AG5993** ISSUE: 2 SHEET: 1 OF 3



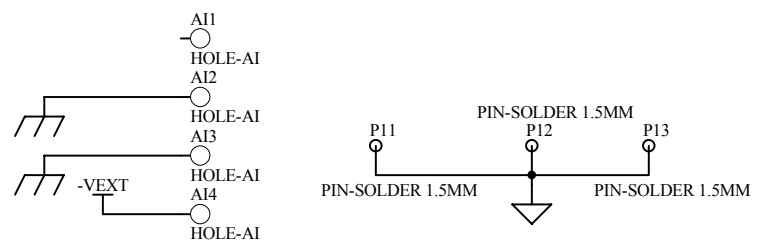
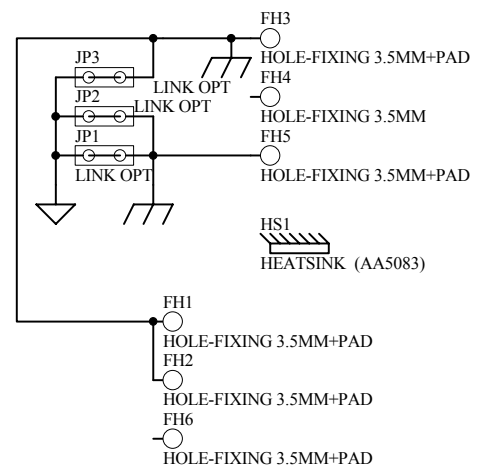
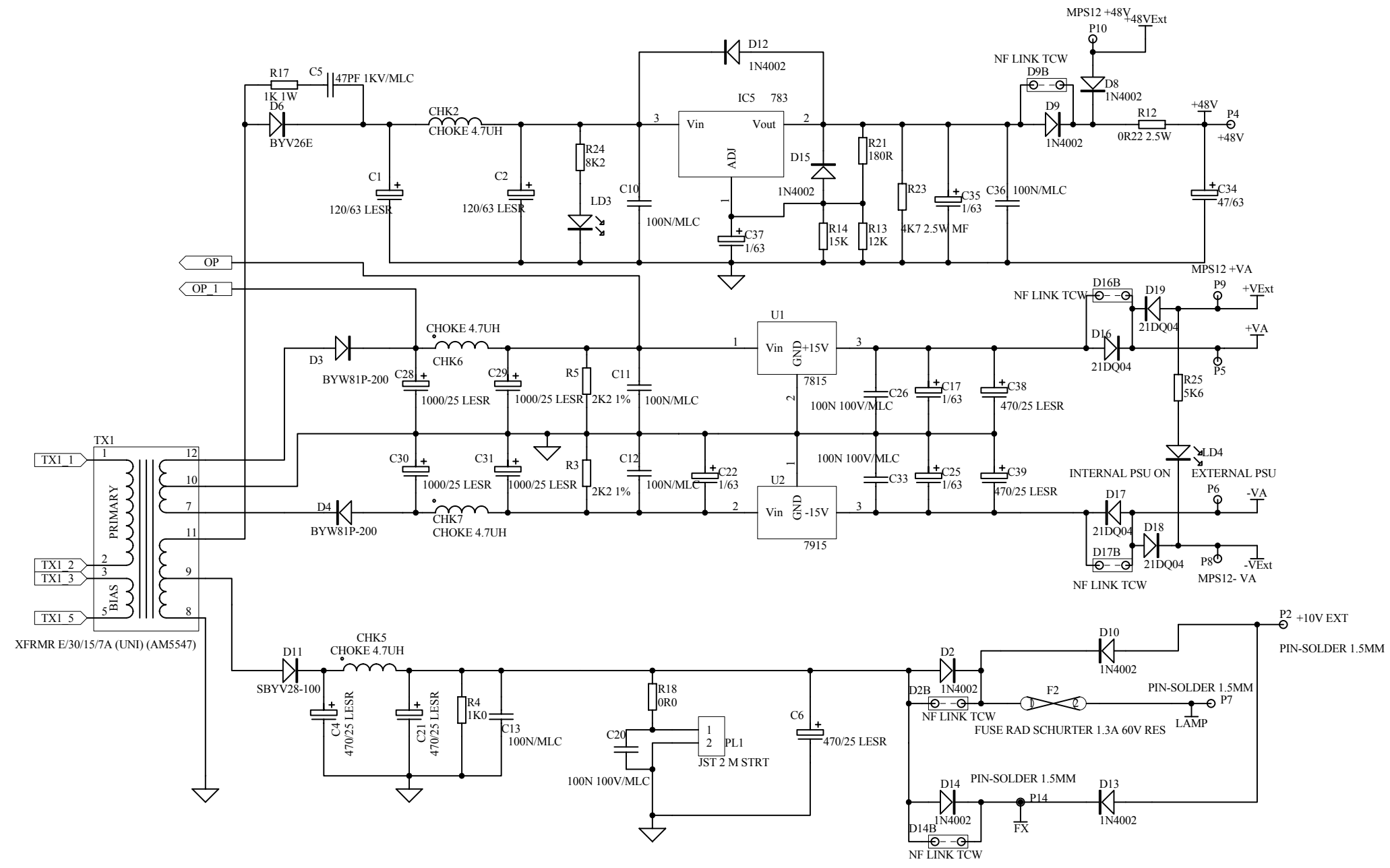
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| ISSUE | BY | DATE | CHK BY |
|-------|-----|------------|--------|
| 1 | SRT | 11-10-2004 | |
| 2 | SRT | 27-10-2004 | |

FH7
 ○ HOLE-FIXING 3.5MM
 FH8
 ○ HOLE-FIXING 3.5MM
 CMC CHOKE SHIELD MOUNTING HOLES
 FILE: AG5993_2P2.SCH

TITLE: **GL2400 PSU**
 PAGE:
 DRG No: **AG5993** ISSUE: 2 SHEET: 2 OF 3

PRINTED: 13:41:45 19-Apr-2005



PRODUCT POPULATION CHANGES FOR PA AND MPS12

| DESIGNATOR | PA | MPS12 | GL2400 |
|------------|----|-------|-----------------------|
| LD3 | NF | F | (as set in schematic) |
| LD4 | NF | NF | |
| D2 | NF | NF | |
| D2B (TCW) | F | F | |
| D9 | NF | NF | |
| D9B (TCW) | F | F | |
| D16 | NF | NF | |
| D16B (TCW) | F | F | |
| D17 | NF | NF | |
| D17B (TCW) | F | F | |
| D14 | NF | NF | |
| D14B (TCW) | F | F | |

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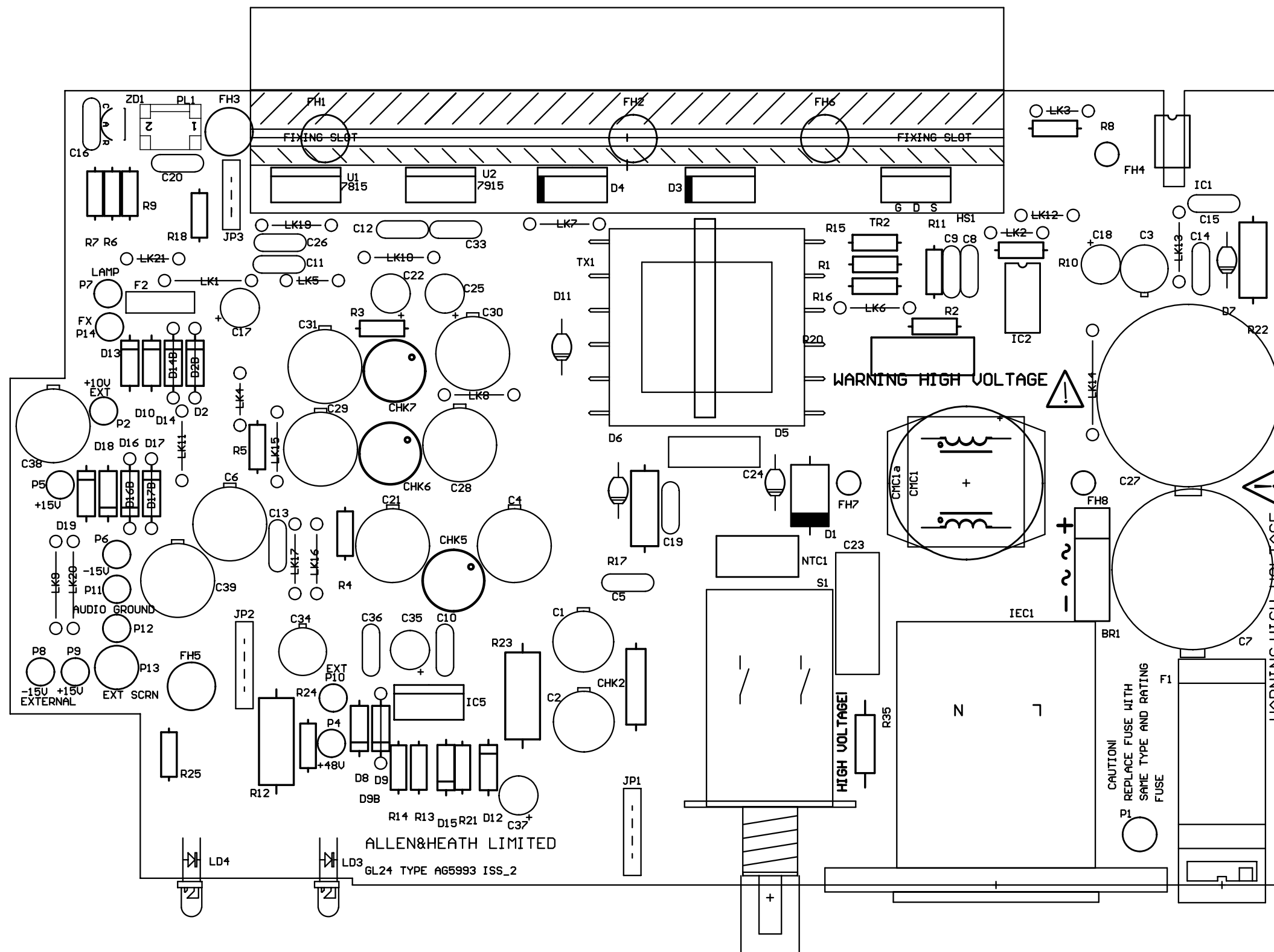
| ISSUE | BY | DATE | CHK BY |
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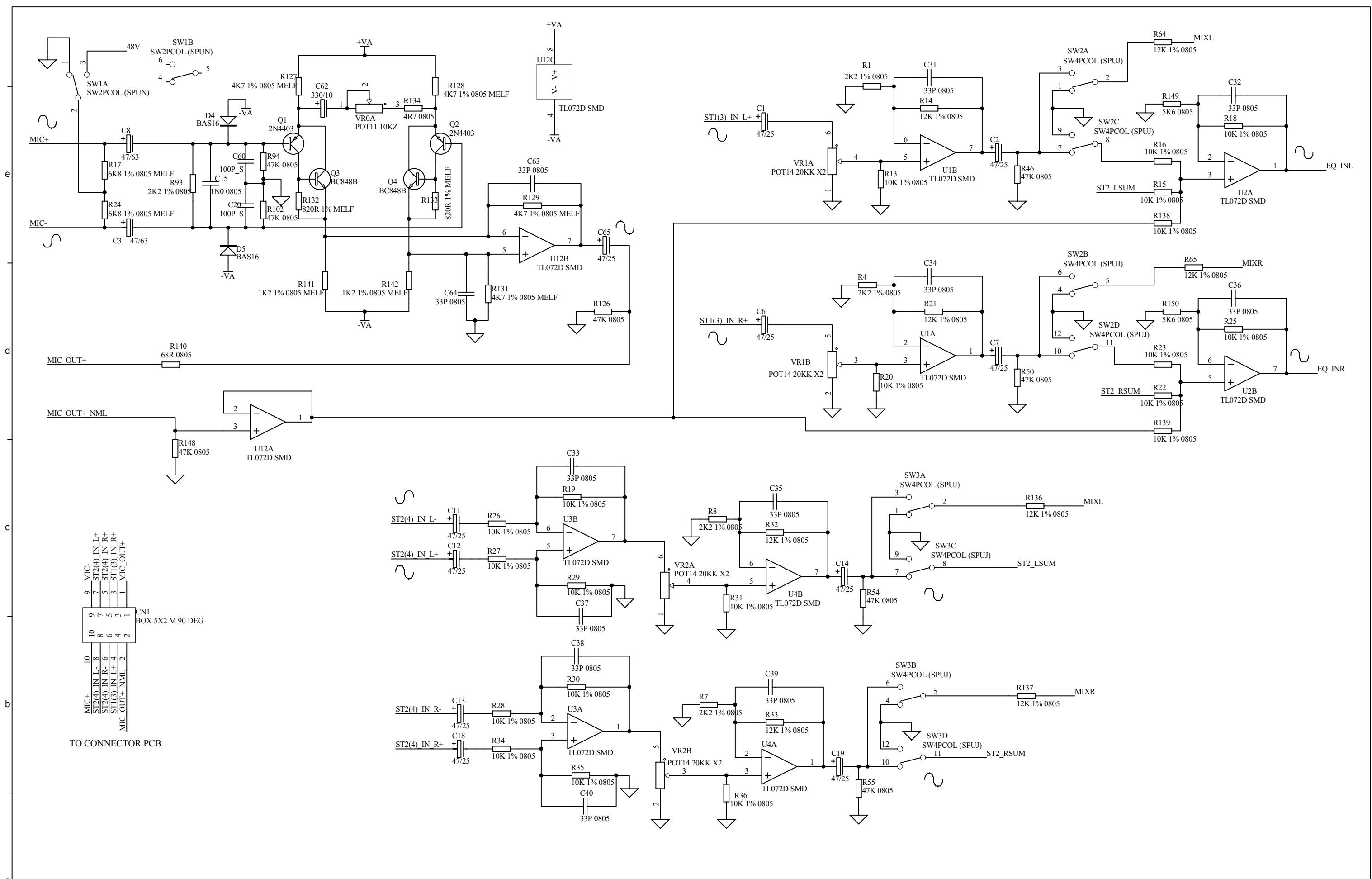
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TITLE: GL2400 PSU
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PRINTED: 13:41:45 19-Apr-2005

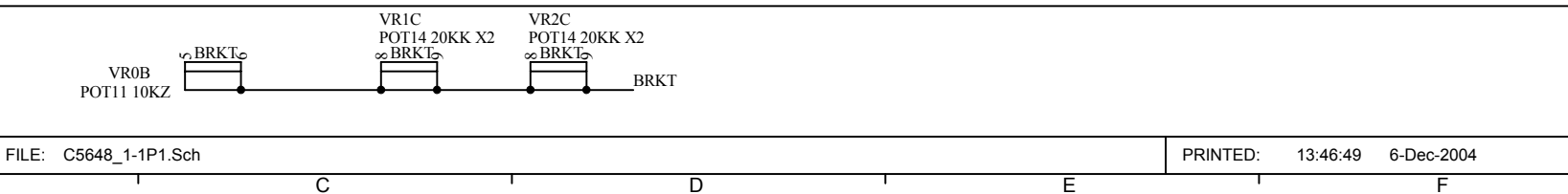
DRG No: AG5993 ISSUE: 2 SHEET: 3 OF 3



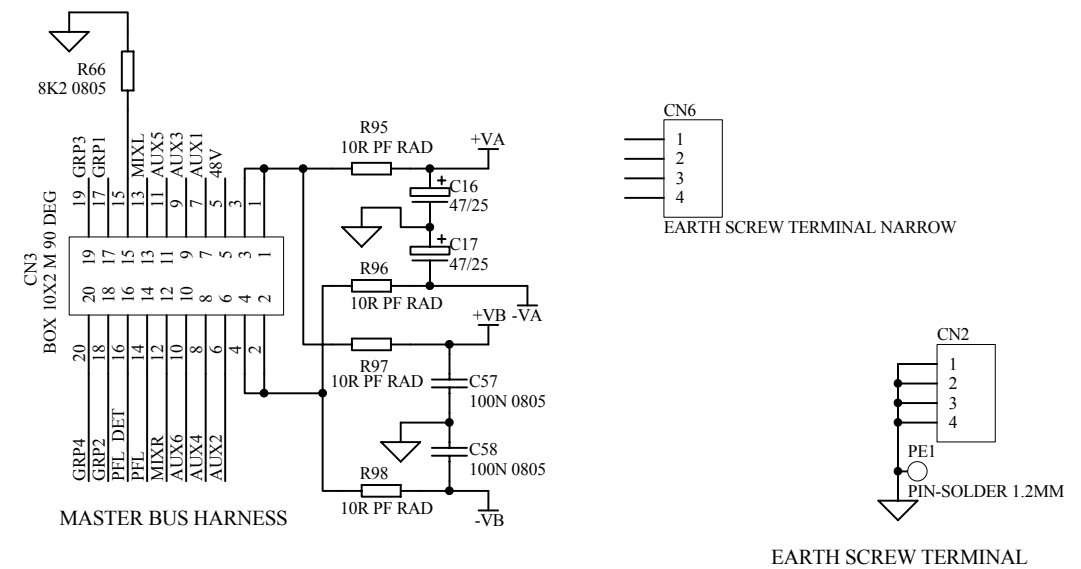
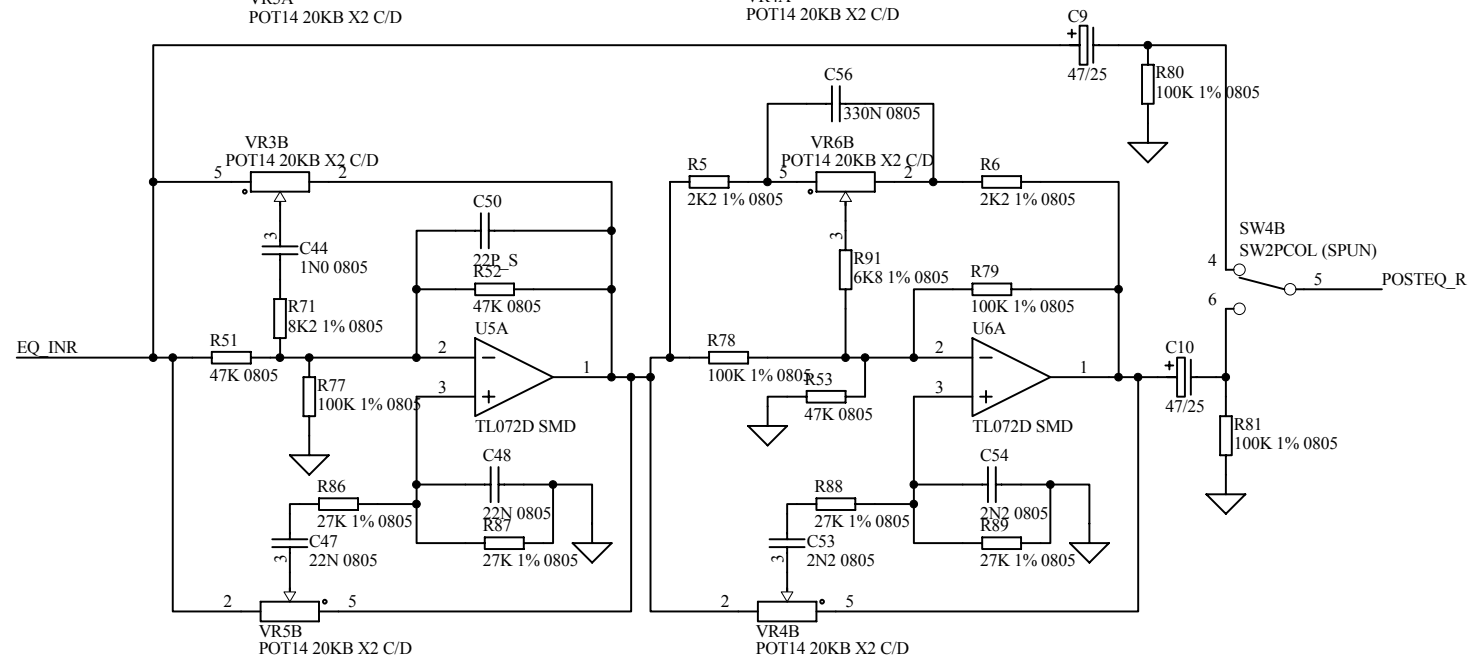
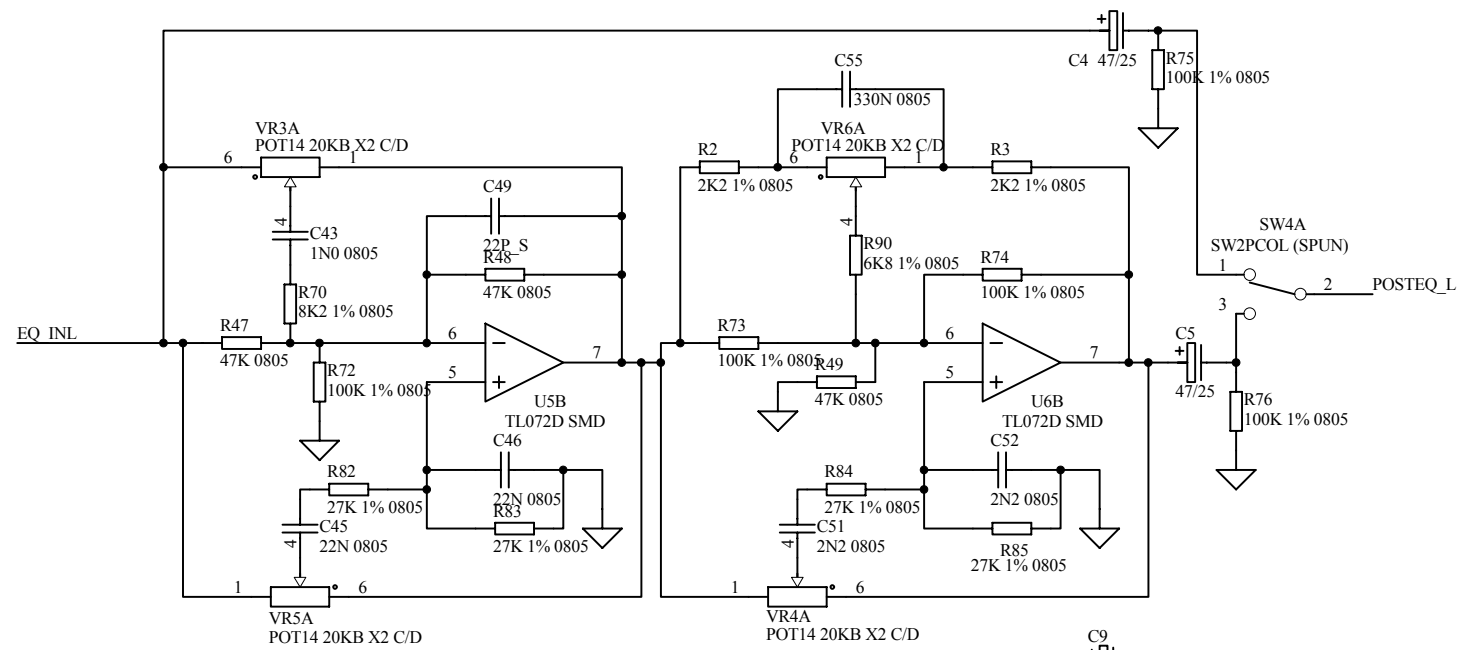


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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | MDG | 18-12-03 | |
| 1 | MG | 24-08-04 | |
| 1.1 | MG | 22/09/04 | KV |



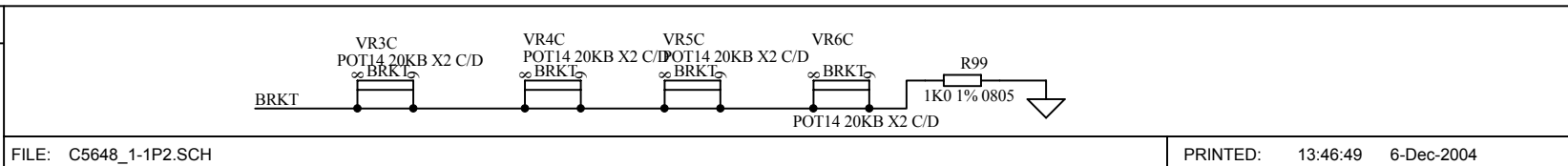
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| | | PAGE: |
| | | DRG No: 5648 |
| | | ISSUE: 1.1 SHEET: 1 OF 3 |



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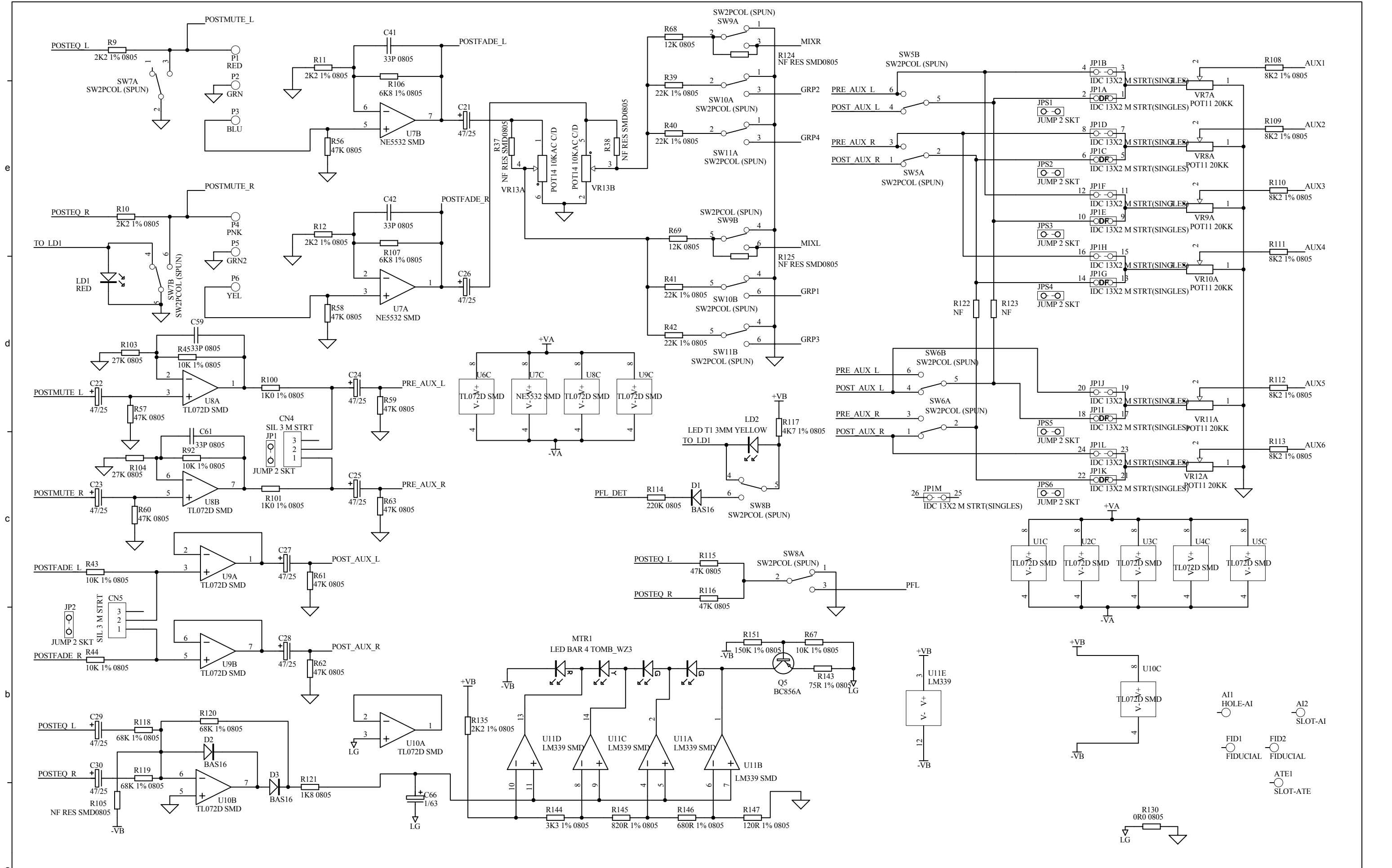
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|-------|-----|----------|--------|
| A | AAT | 17-12-03 | XXX |
| 1 | MG | 24-08-04 | |
| 1.1 | MG | 22/09/04 | KV |



| |
|---|
| TITLE: GL2400 Stereo Input |
| PAGE: |
| DRG No: 5648 ISSUE: 1.1 SHEET: 2 OF 3 |

FILE: C5648_1-1P2.SCH

PRINTED: 13:46:49 6-Dec-2004

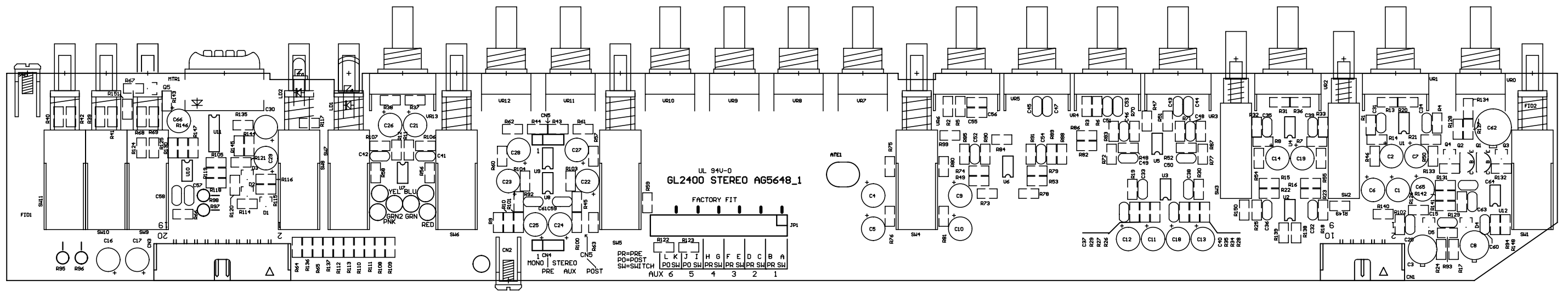


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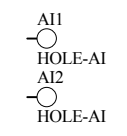
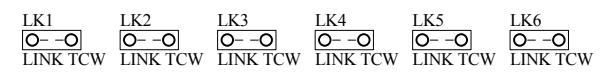
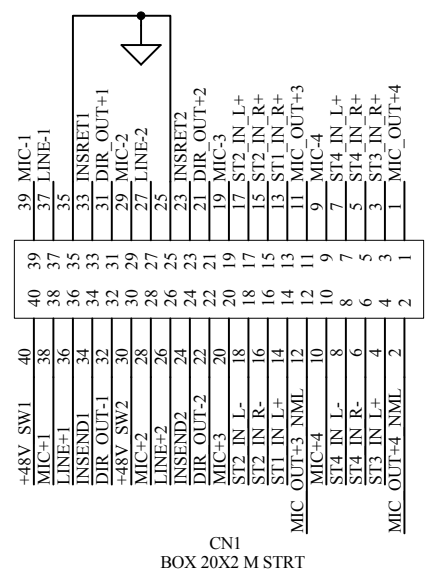
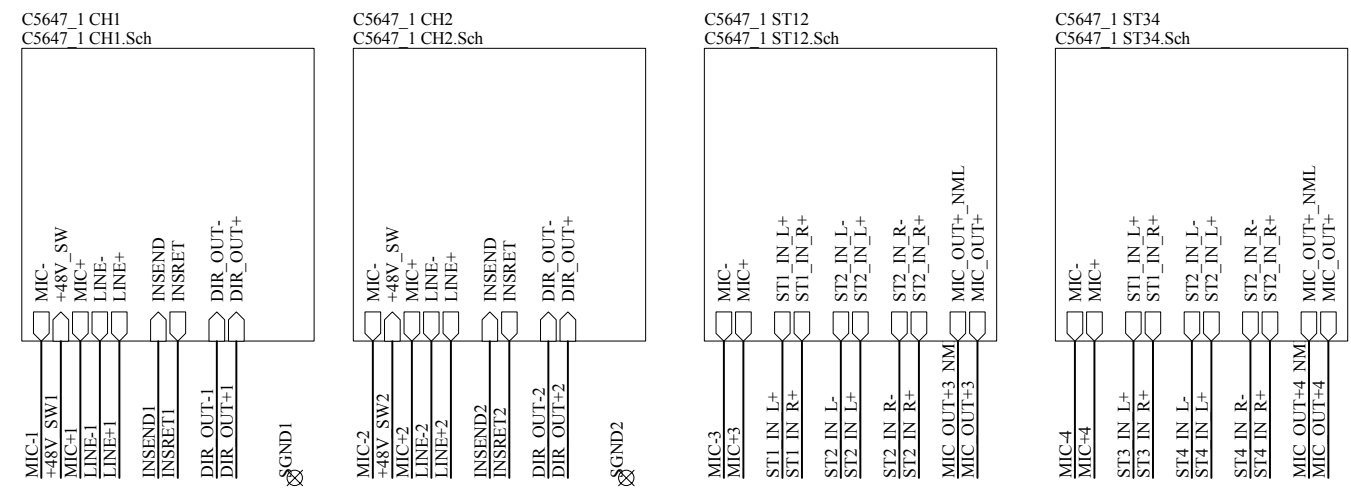
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| 1 | MG | 24-08-04 | XXX |
| 1.1 | MG | 22/09/04 | KV |

| FILE | PRINTED |
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| C5648_1-1P3.SCH | 13:46:49 6-Dec-2004 |

| TITLE | PAGE |
|---------------------|--------------------------|
| GL2400 Stereo Input | |
| DRG No: 5648 | ISSUE: 1.1 SHEET: 3 OF 3 |



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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | AAT | 12-11-03 | XXX |
| 1 | MG | 25-08-04 | |

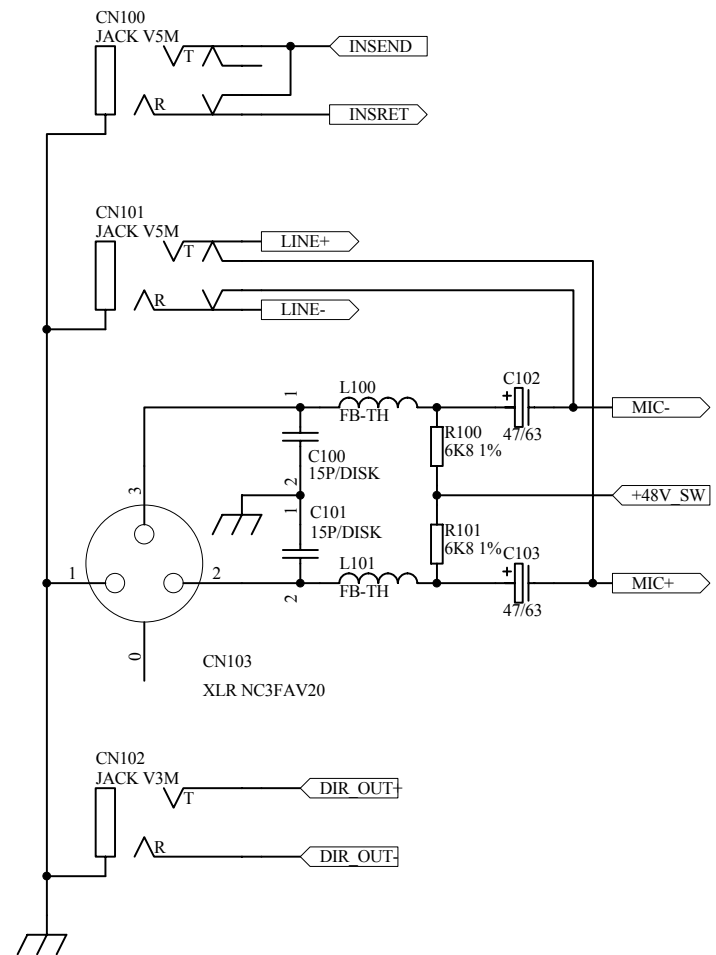
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Sheet Symbol / Port Connections
✓ Append sheet numbers to local nets
✓ Update component footprints
✓ Delete components

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PRINTED: 12:08:11 19-Apr-2005

TITLE: **GL2400 SM CONN PCB**
PAGE: FRONT

DRG No: **C5647** ISSUE: 1 SHEET: 1 OF 5



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| ISSUE | BY | DATE | CHK BY |
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| 1 | MG | 25-08-04 | |

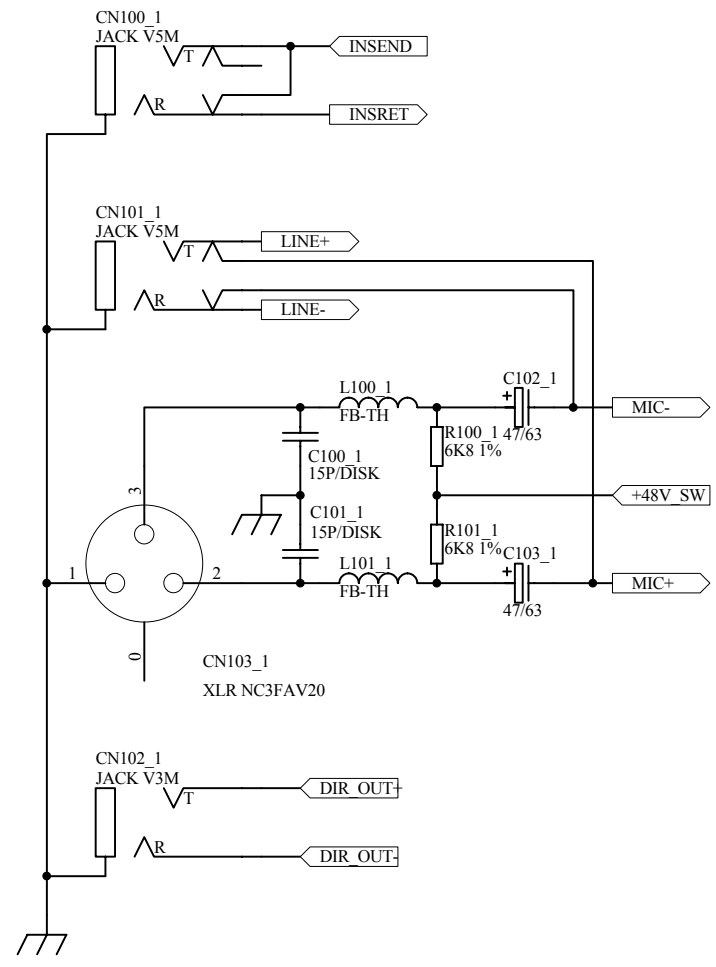
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PRINTED: 12:08:12 19-Apr-2005

TITLE: **GL2400 SM CONN PCB**
 PAGE: CH1 CONNS

DRG No: **C5647** ISSUE: 1 SHEET: 2 OF 5

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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | AAT | 12-11-03 | XXX |
| 1 | MG | 25-08-04 | |

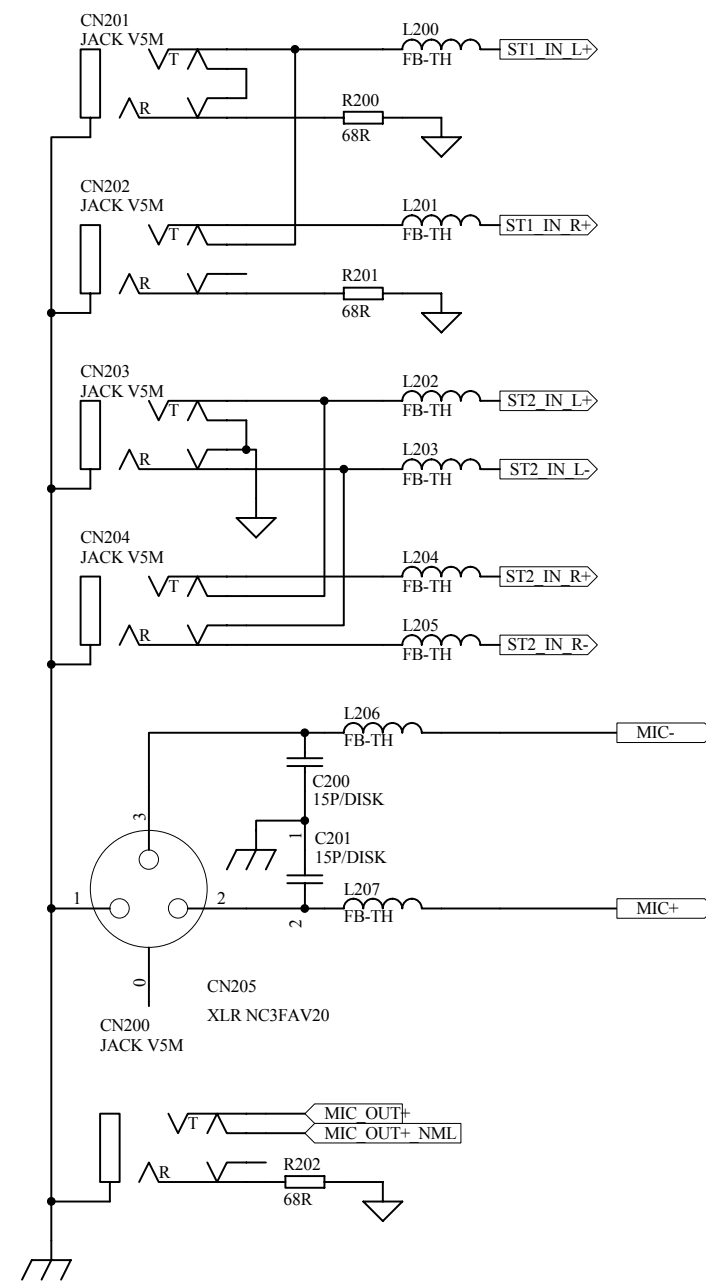
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TITLE: **GL2400 SM CONN PCB**
 PAGE: CH2 CONNS

DRG No: **C5647** ISSUE: 1 SHEET: 3 OF 5

003-245 iss.1



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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | AAT | 12-11-03 | XXX |
| 1 | MG | 25-08-04 | |

FILE: C5647_1 ST12.Sch

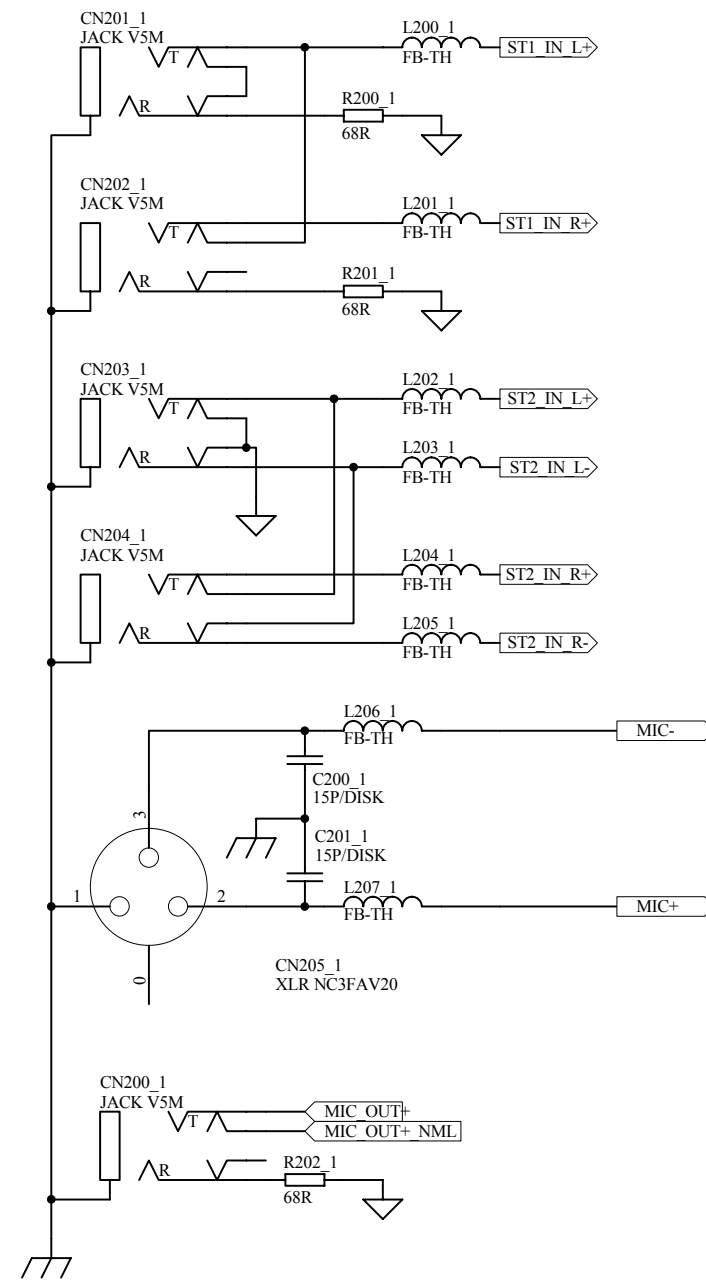
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TITLE: GL2400 SM CONN PCB

PAGE: ST1/2 CONNS

DRG No: C5647 ISSUE: 1 SHEET: 4 OF 5

003-245 iss.1



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| ISSUE | BY | DATE | CHK BY |
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| A | AAT | 12-11-03 | XXX |
| 1 | MG | 25-08-04 | |

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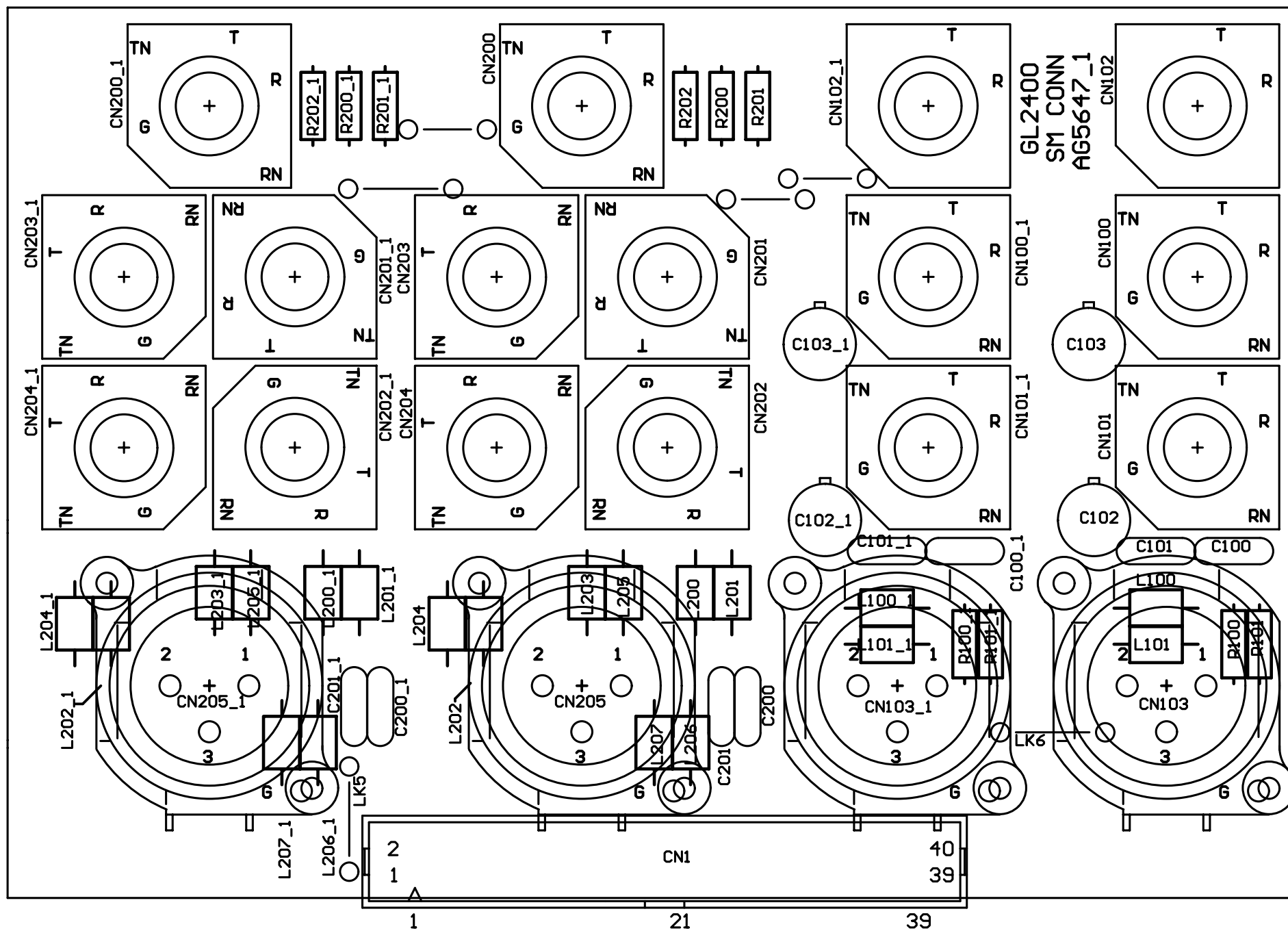
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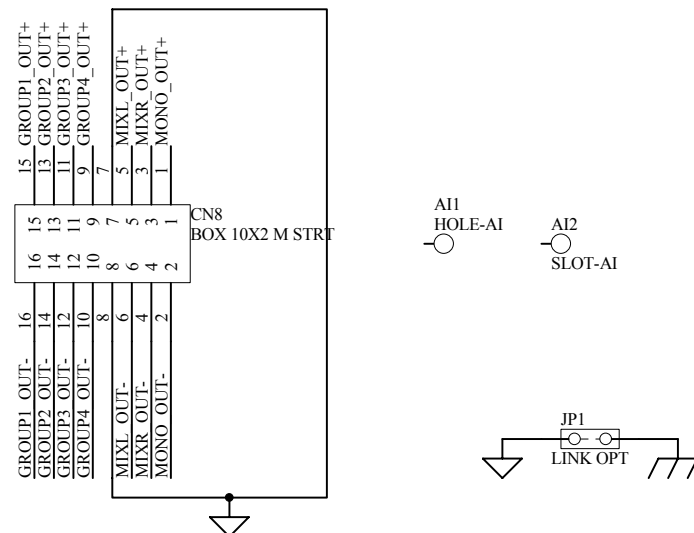
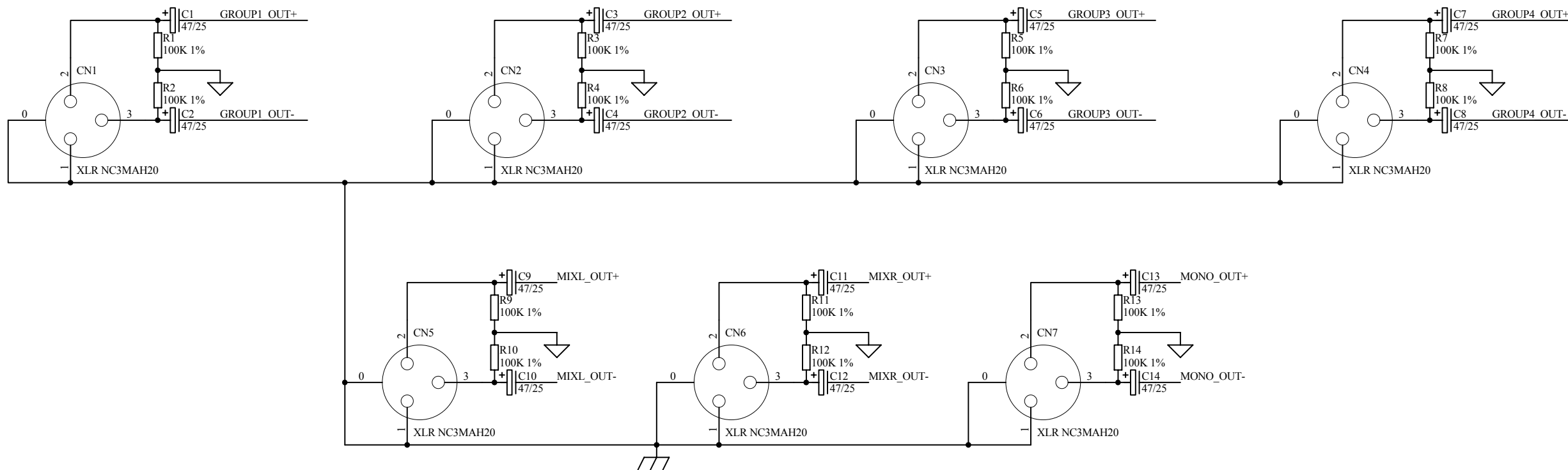
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PAGE: ST3/4 CONNS

DRG No: **C5647** ISSUE: 1 SHEET: 5 OF 5

003-245 iss.1





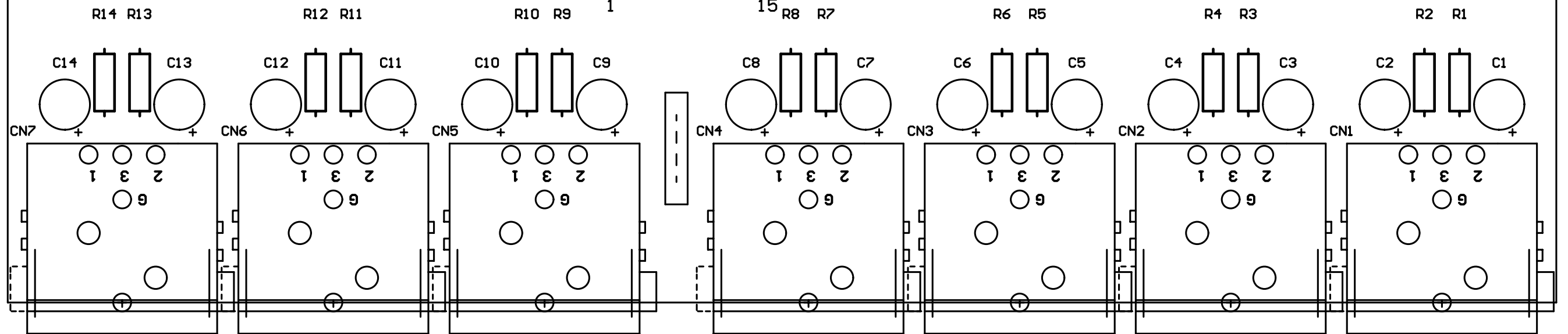
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| | A | AAT | 18-12-03 | XXX |
| | 1 | MG | 1-9-04 | |

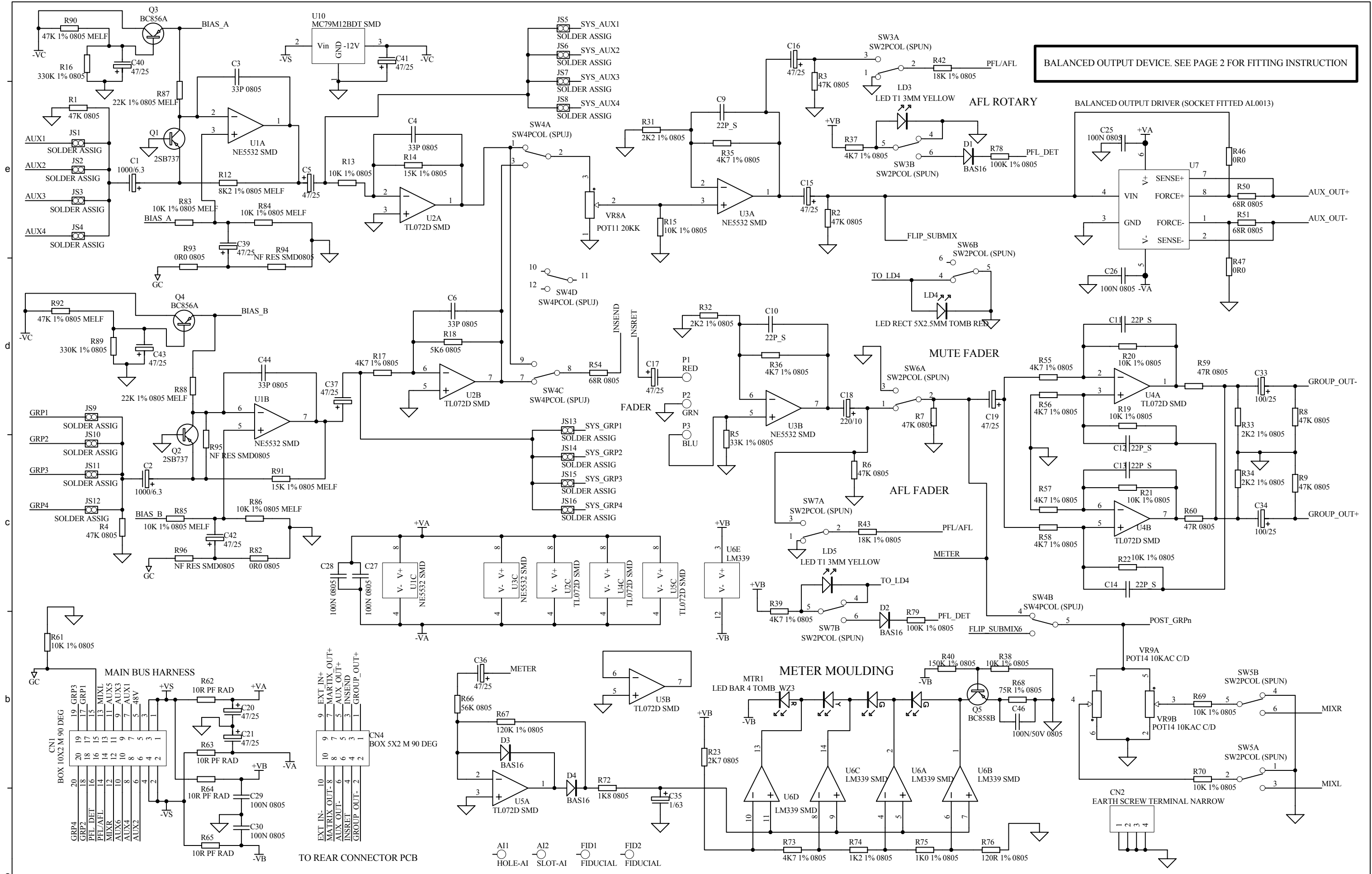
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PRINTED: 11:57:40 19-Apr-2005

TITLE: GL2400 MASTER OUT CONN
PAGE:
DRG No: C5651 ISSUE: 1 SHEET: 1 OF 1

GL2500 MASTER OUT CONN
AG5647_1
UL 94V-0



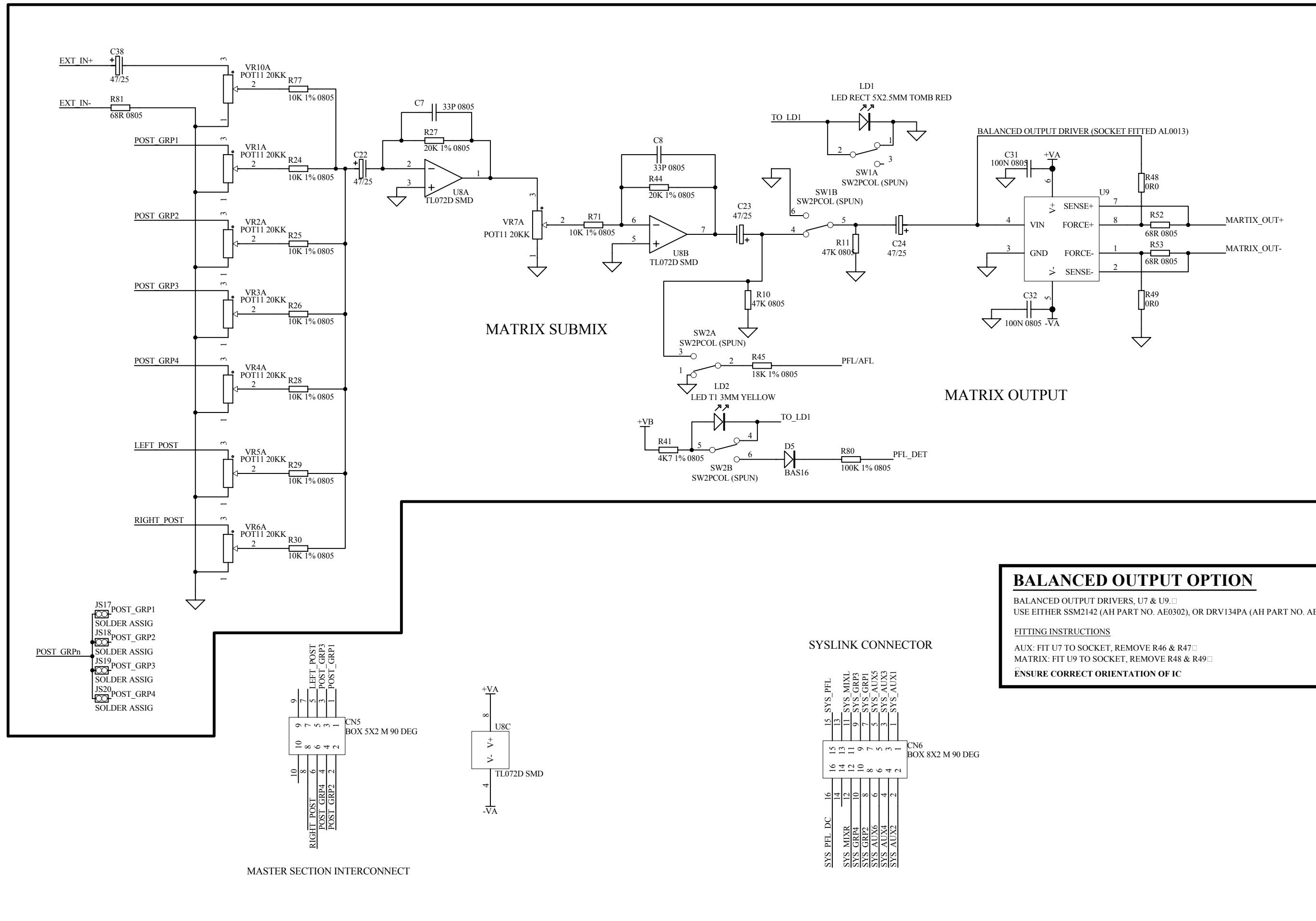


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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | MG | 7-7-03 | |
| A.1 | AAT | 16-06-04 | XXX |
| 1 | MG | 25-8-04 | |
| 2 | MG | 23-9-04 | KV |

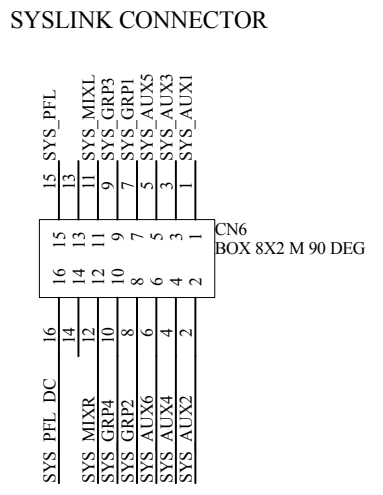
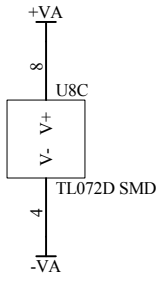
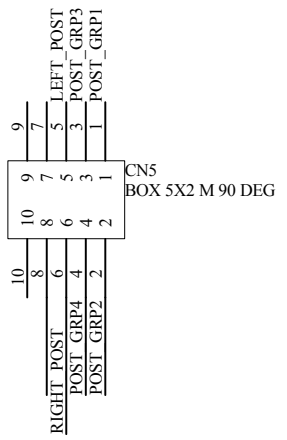
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 PRINTED: 15:22:12 6-Dec-2004

TITLE: **GL2400 GROUP PCB**
 PAGE:
 DRG No: 5824 ISSUE: 2 SHEET: 1 OF 2



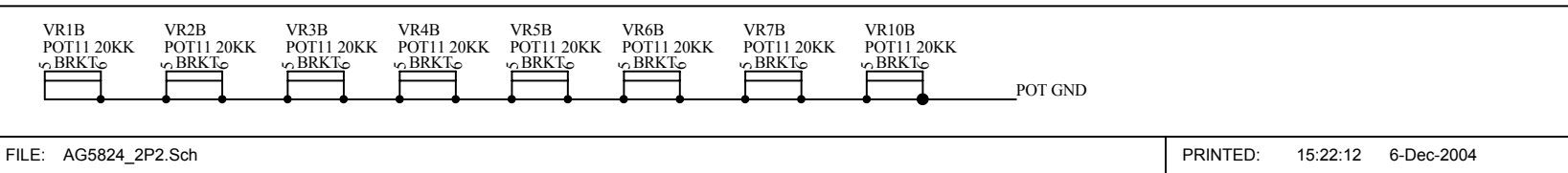
BALANCED OUTPUT OPTION
 BALANCED OUTPUT DRIVERS, U7 & U9. □
 USE EITHER SSM2142 (AH PART NO. AE0302), OR DRV134PA (AH PART NO. AE5725).
FITTING INSTRUCTIONS
 AUX: FIT U7 TO SOCKET, REMOVE R46 & R47 □
 MATRIX: FIT U9 TO SOCKET, REMOVE R48 & R49 □
 ENSURE CORRECT ORIENTATION OF IC

- JS17 POST_GRP1
- SOLDER ASSIG
- JS18 POST_GRP2
- SOLDER ASSIG
- JS19 POST_GRP3
- SOLDER ASSIG
- JS20 POST_GRP4
- SOLDER ASSIG

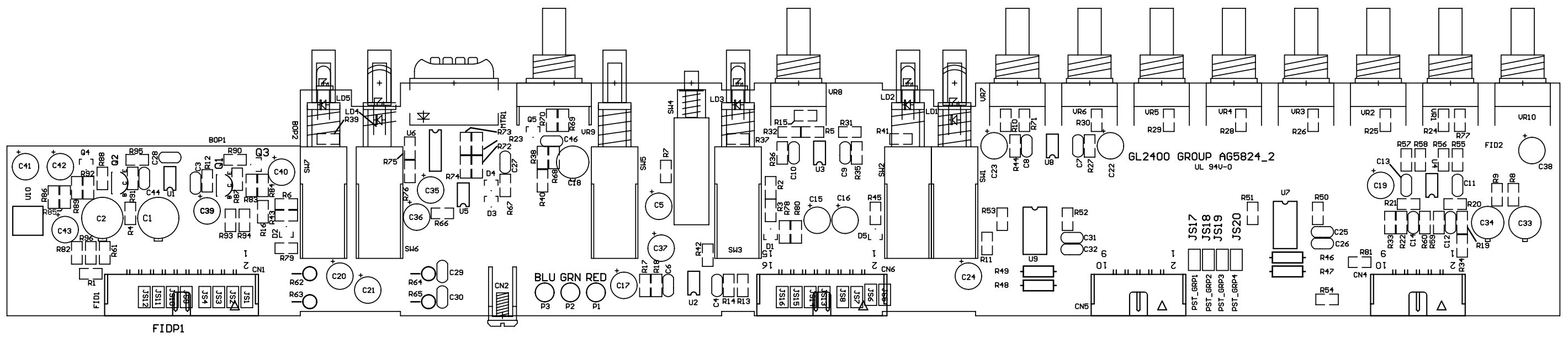


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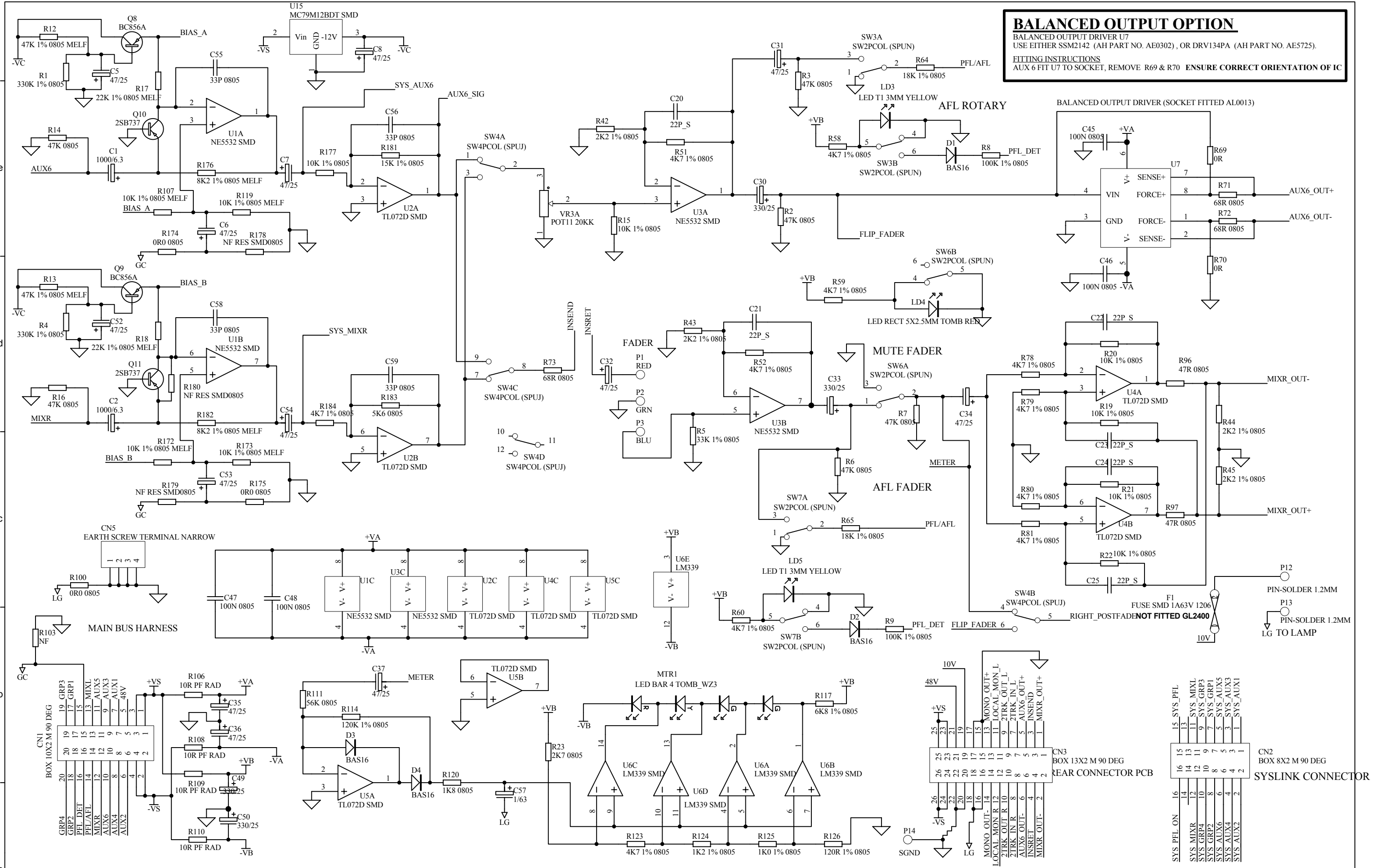
| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| A | MG | 7-7-03 | XXX |
| 1 | AAT | 16-06-04 | MG |
| 2 | MG | 25-8-04 | MG |
| | | 23-9-04 | KV |



TITLE: **GL2400 GROUP PCB**
 PAGE:
 DRG No: **5824** ISSUE: **2** SHEET: **2 OF 2**



BALANCED OUTPUT OPTION
 BALANCED OUTPUT DRIVER U7
 USE EITHER SSM2142 (AH PART NO. AE0302), OR DRV134PA (AH PART NO. AE5725).
 FITTING INSTRUCTIONS
 AUX 6 FIT U7 TO SOCKET, REMOVE R69 & R70 ENSURE CORRECT ORIENTATION OF IC



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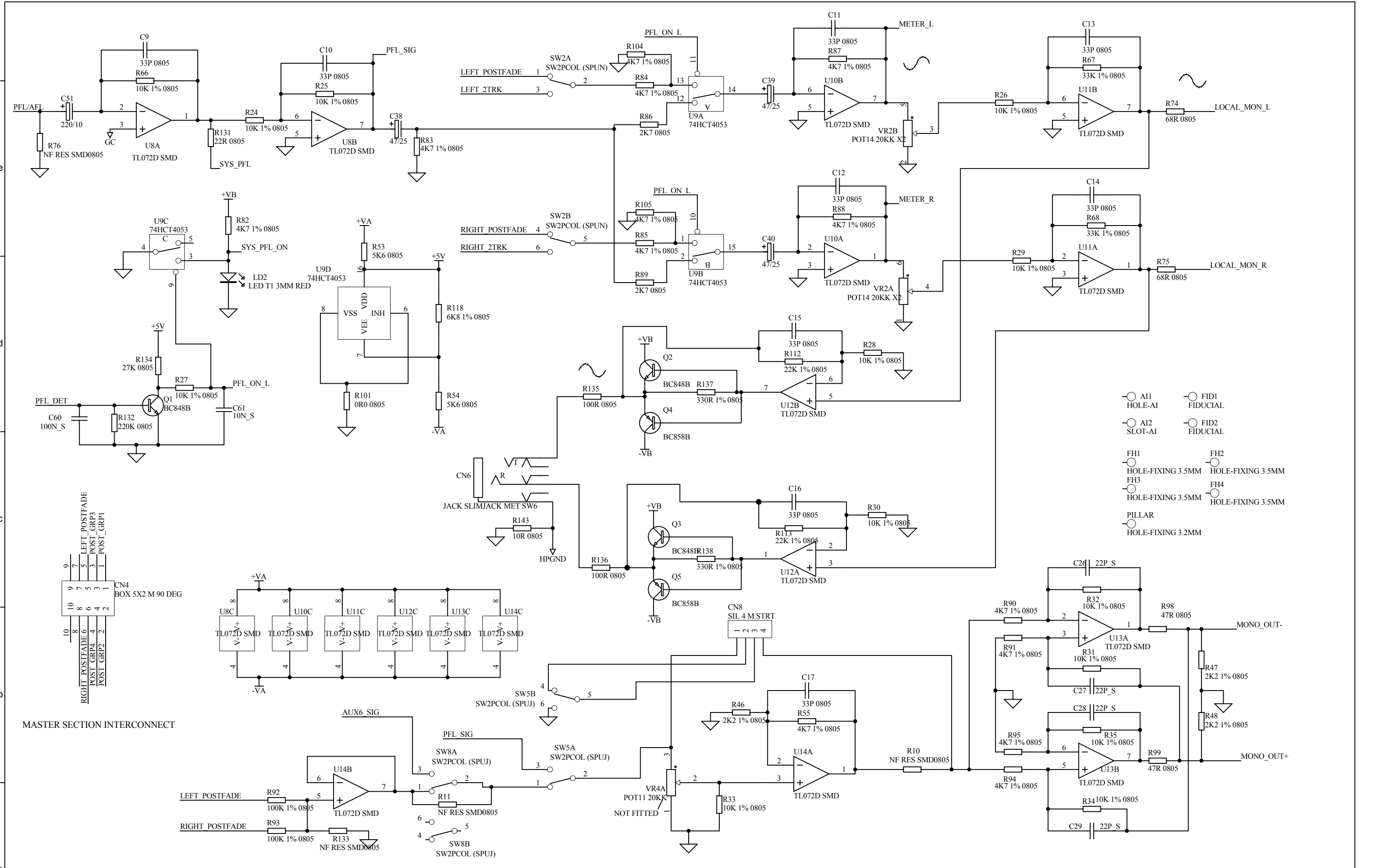
| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| 1 | MG | 27-8-04 | |
| 2 | MG | 24-9-04 | KV |
| 2.1 | AAT | 21-12-04 | |

VR3B
 POT11.20KK
 BRKT

FILE: C5929_2.1P1.Sch

PRINTED: 10:20:32 19-Apr-2005

TITLE: **GL2400 RIGHT PCB**
 PAGE:
 DRG No: C5929 ISSUE: 2.1 SHEET: 1 OF 3



- A11 HOLE-AI
- A12 SLOT-AI
- FID1 FIDUCIAL
- FID2 FIDUCIAL
- FH1 HOLE-FIXING 3.5MM
- FH2 HOLE-FIXING 3.5MM
- FH3 HOLE-FIXING 3.5MM
- FH4 HOLE-FIXING 3.5MM
- PILLAR HOLE-FIXING 3.2MM

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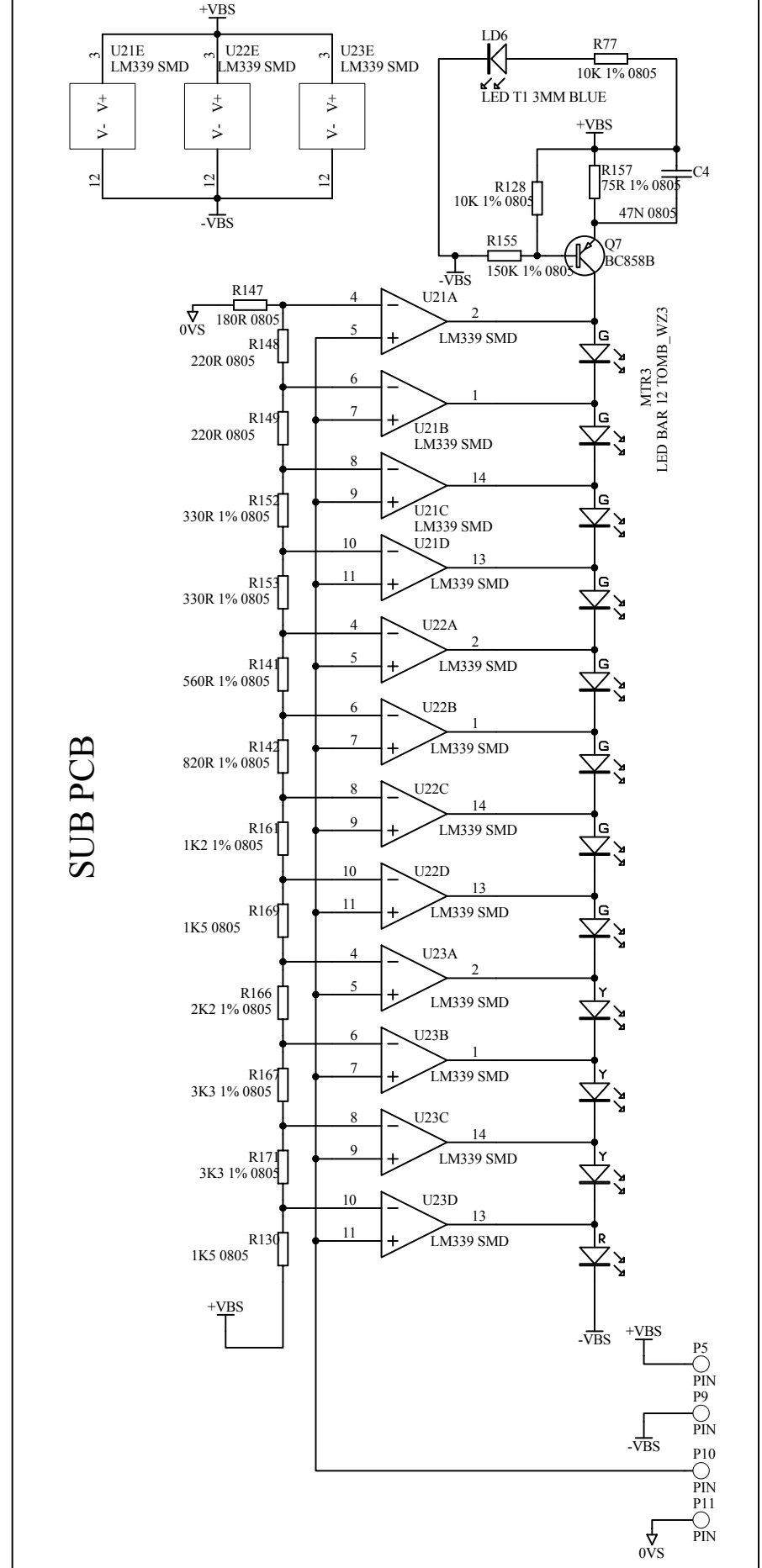
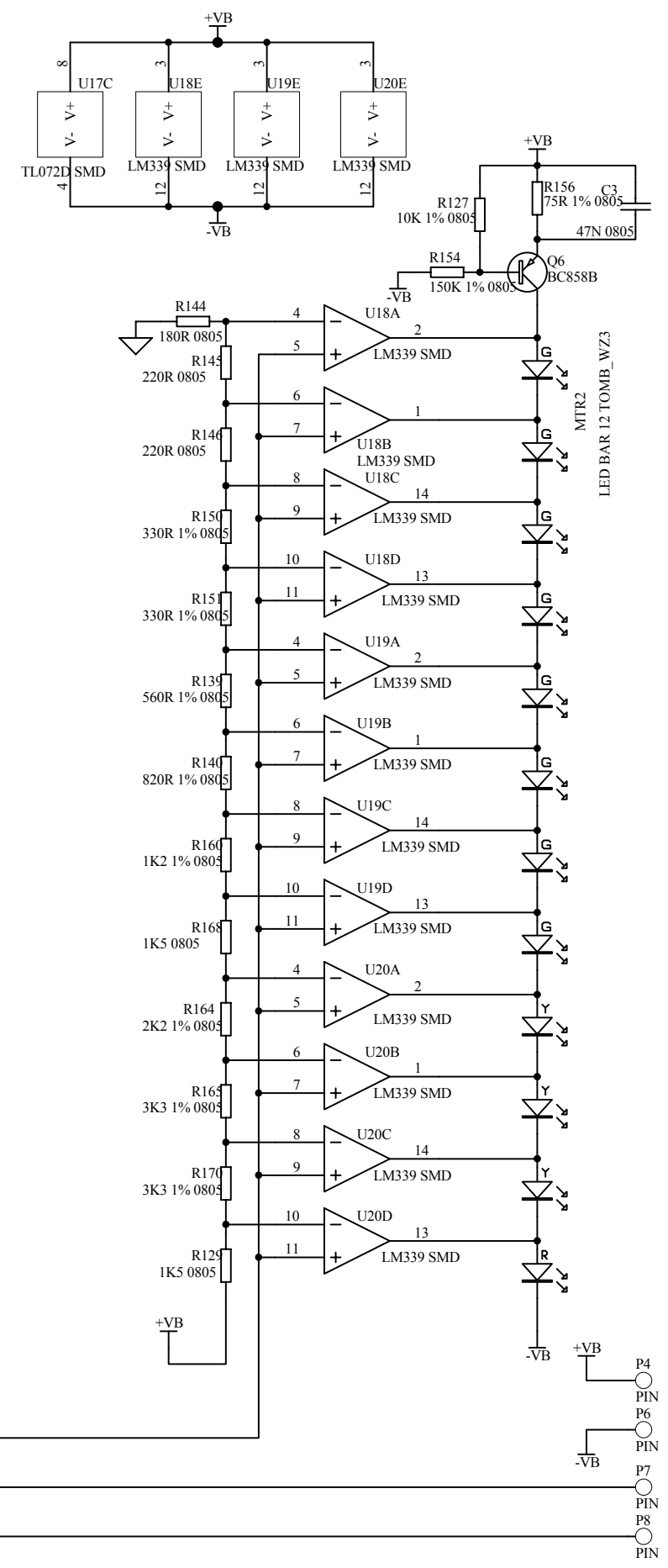
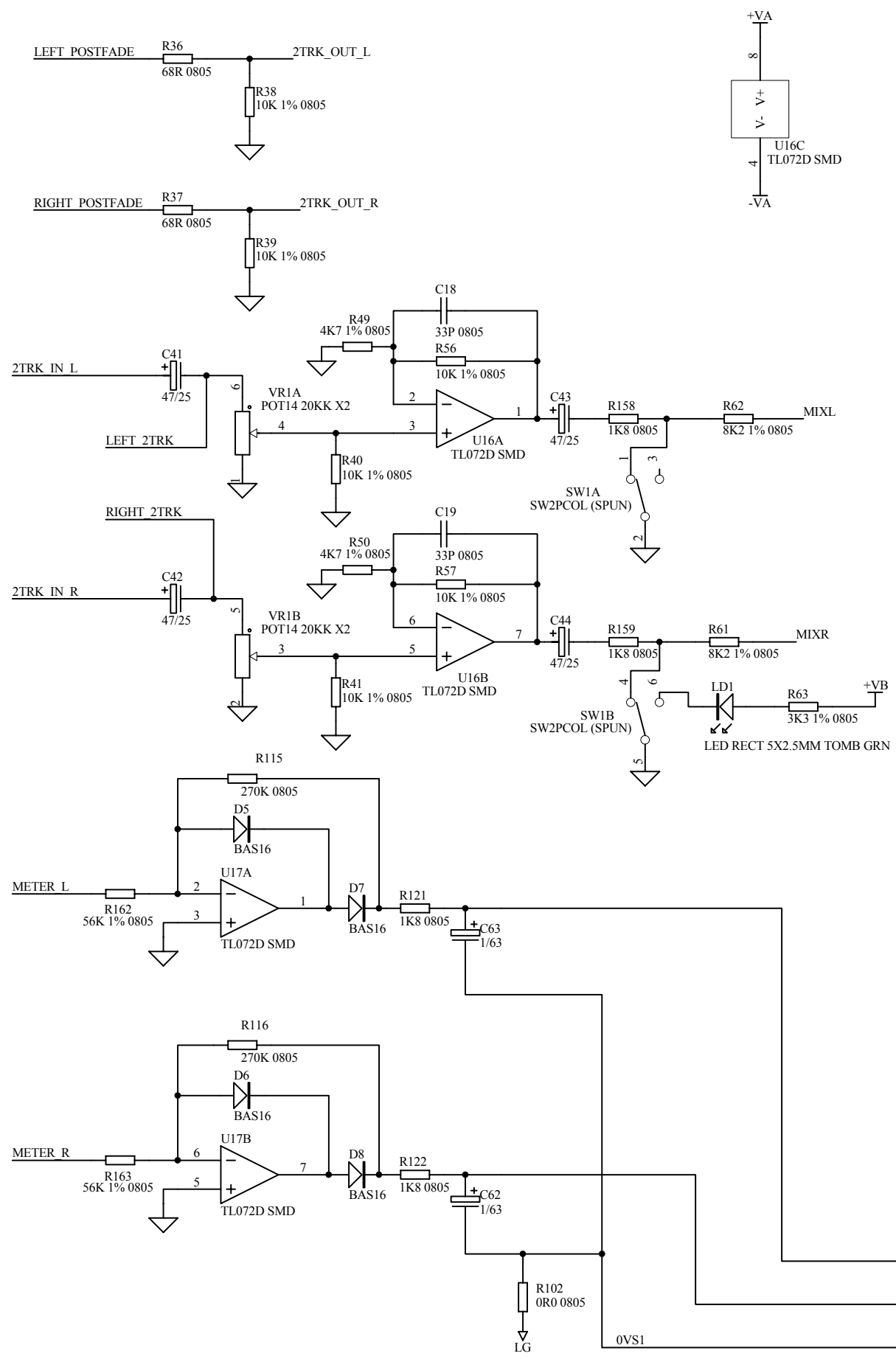
| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| 1 | MG | 27-8-04 | |
| 2 | MG | 24-9-04 | KV |
| 2.1 | AAT | 21-12-04 | |

VR2C POT14 20KK X2
 VR4B POT11 20KK
 CN7 EARTH SCREW TERMINAL NARROW
 C64 1/50CER SPACER CAP

FILE: C5929_2.1P2.Sch

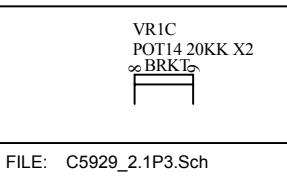
PRINTED: 10:20:32 19-Apr-2005

TITLE: **GL2400 RIGHT PCB**
 PAGE:
 DRG No: C5929 ISSUE: 2.1 SHEET: 2 OF 3



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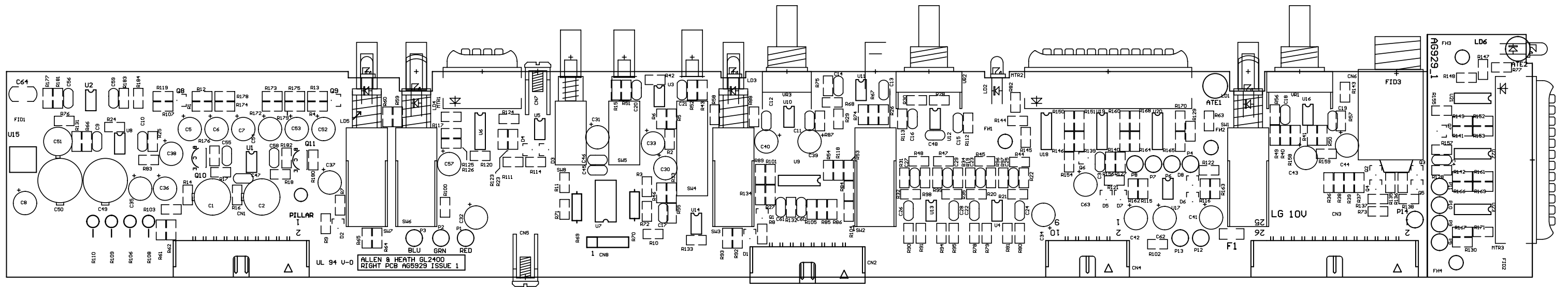
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| 1 | MG | 27-8-04 | |
| 2 | MG | 24-9-04 | |
| 2.1 | AAT | 21-12-04 | KV |



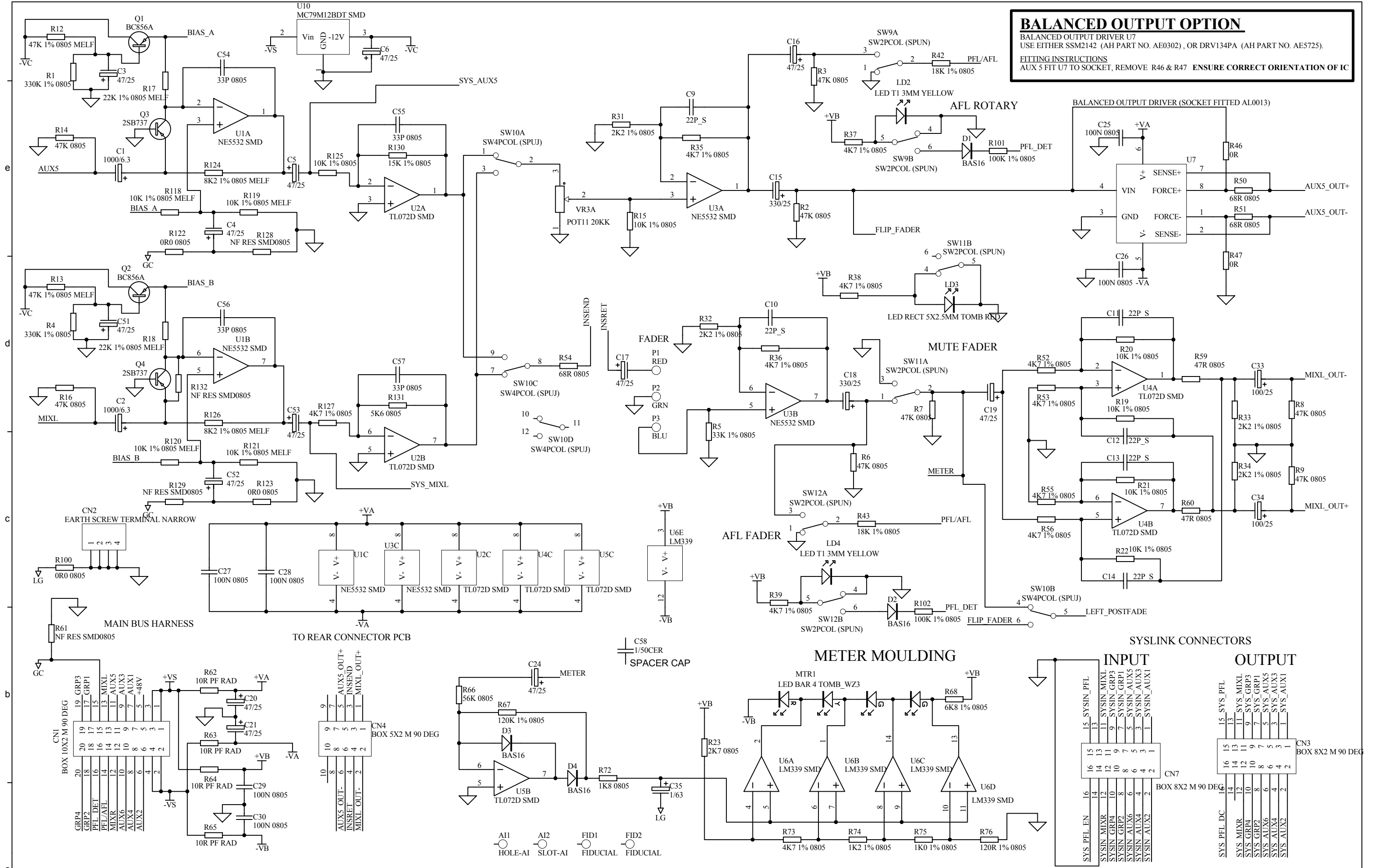
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TITLE: GL2400 RIGHT PCB
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 DRG No: C5929 ISSUE: 2.1 SHEET: 3 OF 3

PRINTED: 10:20:33 19-Apr-2005

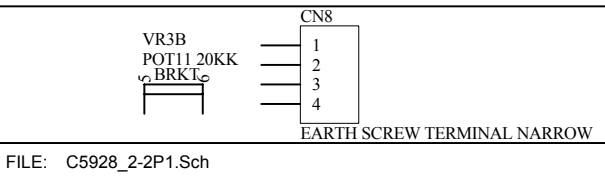


BALANCED OUTPUT OPTION
 BALANCED OUTPUT DRIVER U7
 USE EITHER SSM2142 (AH PART NO. AE0302), OR DRV134PA (AH PART NO. AE5725).
 FITTING INSTRUCTIONS
 AUX 5 FIT U7 TO SOCKET, REMOVE R46 & R47 ENSURE CORRECT ORIENTATION OF IC



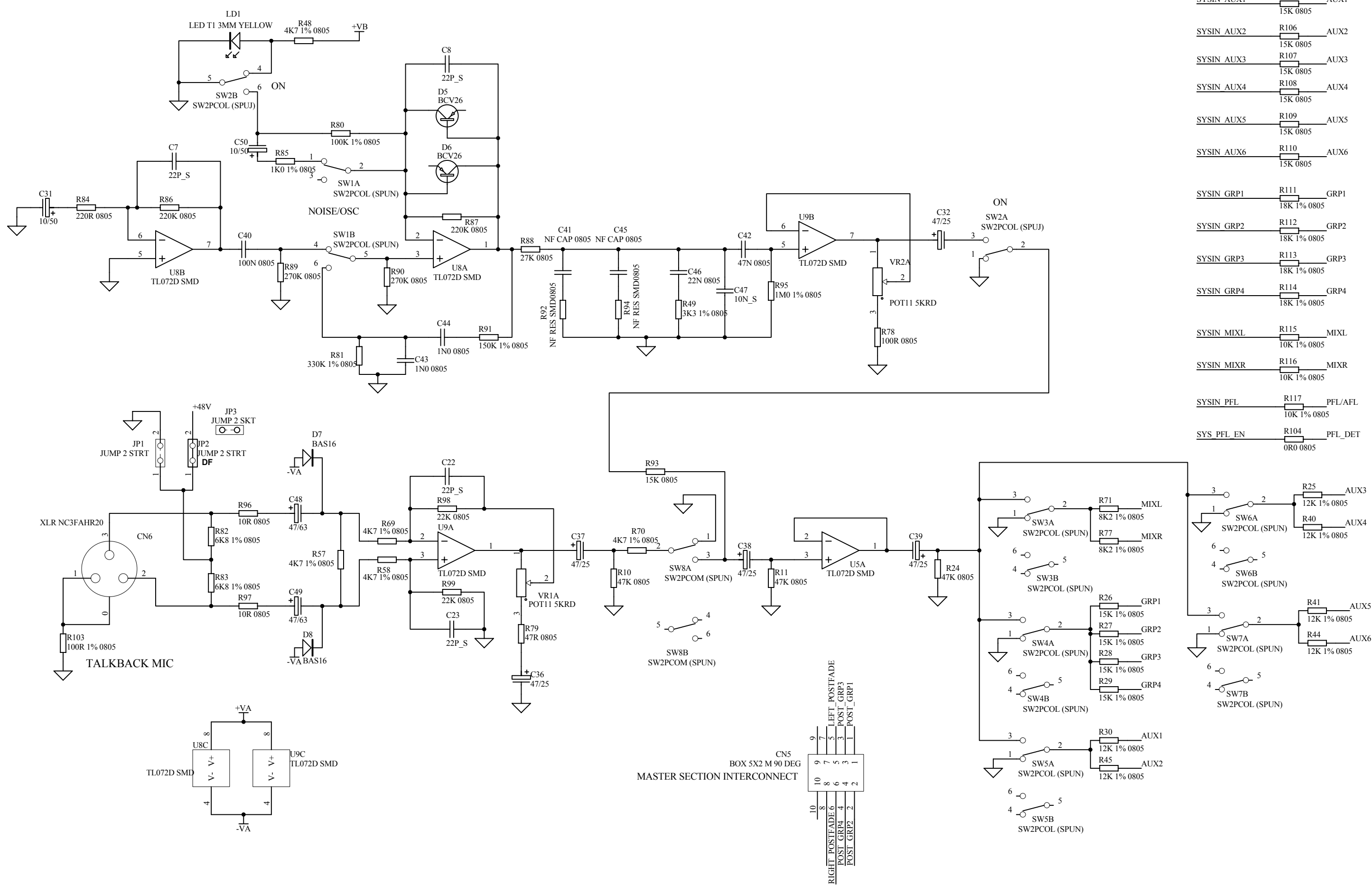
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| ISSUE | BY | DATE | CHK BY |
|-------|-----|----------|--------|
| 1 | MG | 25-08-04 | KV |
| 2 | MG | 23-09-04 | |
| 2.1 | MG | 07/12/04 | |
| 2.2 | AAT | 21-12-04 | |



FILE: C5928_2-2P1.Sch
 PRINTED: 10:13:00 19-Apr-2005

TITLE: **GL2400 LEFT PCB**
 PAGE:
 DRG No: C5928 ISSUE: 2.2 SHEET: 1 OF 2

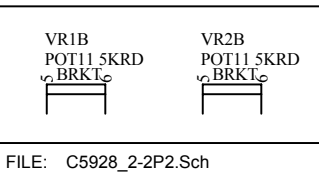


| | | |
|------------|------|---------|
| SYSIN_AUX1 | R105 | AUX1 |
| SYSIN_AUX2 | R106 | AUX2 |
| SYSIN_AUX3 | R107 | AUX3 |
| SYSIN_AUX4 | R108 | AUX4 |
| SYSIN_AUX5 | R109 | AUX5 |
| SYSIN_AUX6 | R110 | AUX6 |
| SYSIN_GRP1 | R111 | GRP1 |
| SYSIN_GRP2 | R112 | GRP2 |
| SYSIN_GRP3 | R113 | GRP3 |
| SYSIN_GRP4 | R114 | GRP4 |
| SYSIN_MIXL | R115 | MIXL |
| SYSIN_MIXR | R116 | MIXR |
| SYSIN_PFL | R117 | PFL/AFL |
| SYS_PFL_EN | R104 | PFL_DET |

| | | |
|------|-----|------|
| SW3A | R71 | MIXL |
| SW3B | R77 | MIXR |
| SW4A | R26 | GRP1 |
| SW4B | R27 | GRP2 |
| SW5A | R28 | GRP3 |
| SW5B | R29 | GRP4 |
| SW6A | R25 | AUX3 |
| SW6B | R40 | AUX4 |
| SW7A | R41 | AUX5 |
| SW7B | R44 | AUX6 |

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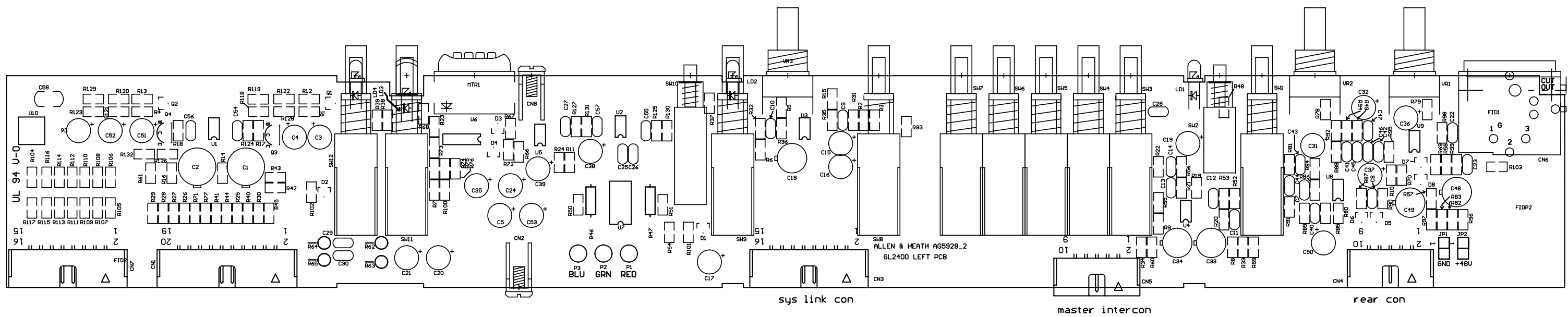
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| 1 | MG | 25-08-04 | |
| 2 | MG | 23-09-04 | KV |
| 2.1 | MG | 07/12/04 | |
| 2.2 | AAT | 21-12-04 | |



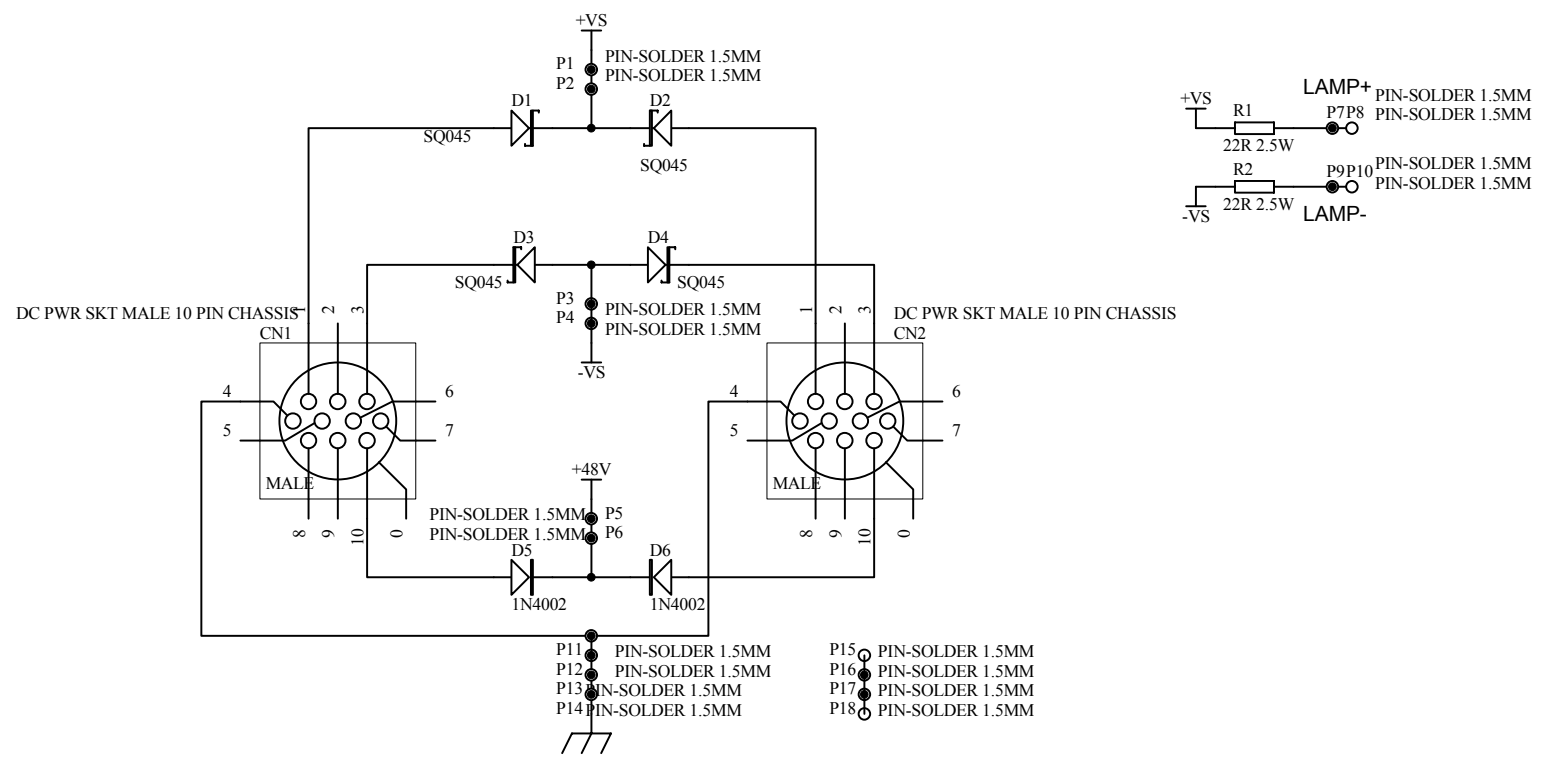
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TITLE: **GL2400 LEFT PCB**
 PAGE:
 DRG No: C5928 ISSUE: 2.2 SHEET: 2 OF 2

PRINTED: 10:13:01 19-Apr-2005



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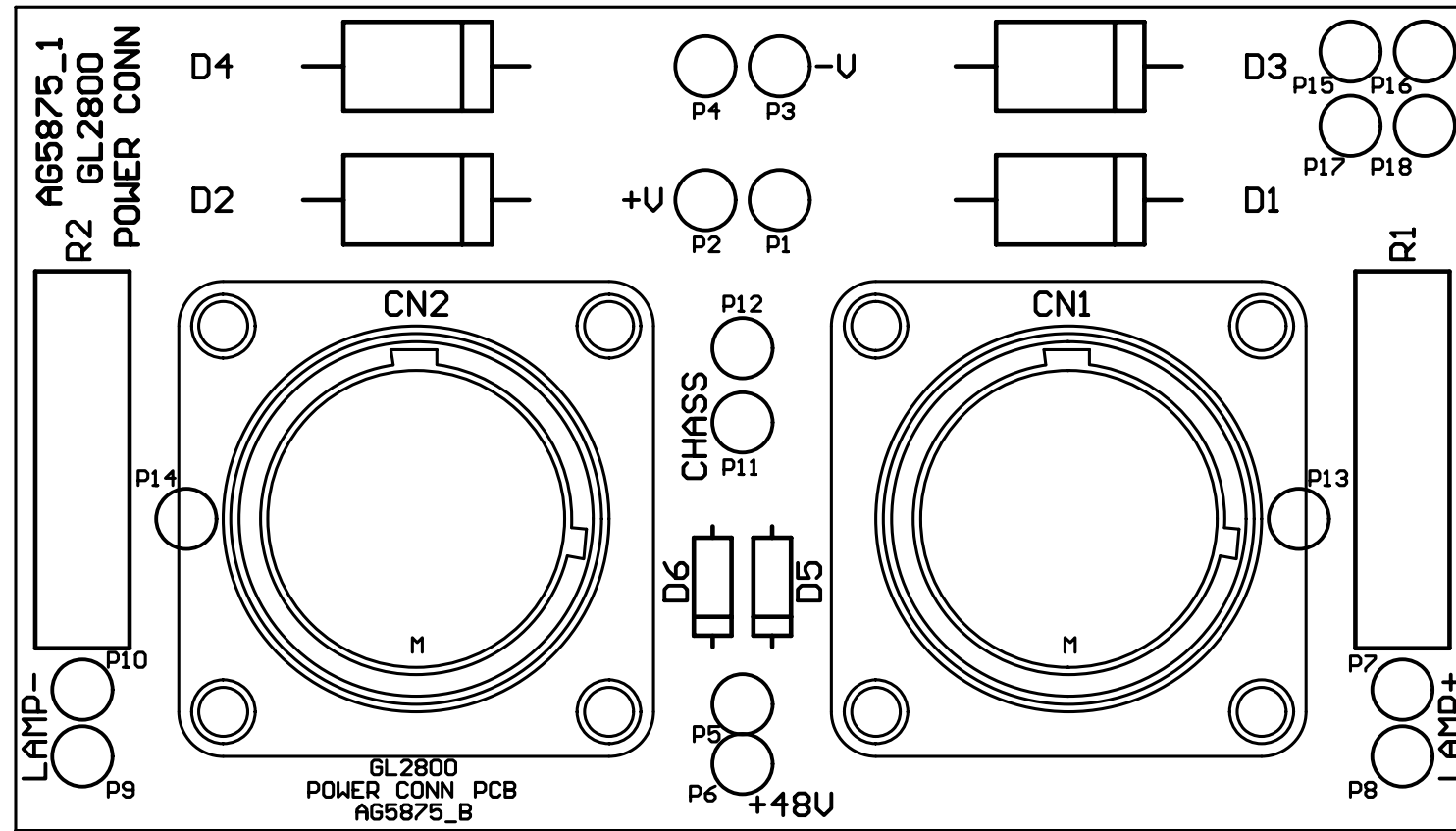


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|-------|----|---------|--------|
| 1 | MG | 9/02/05 | |

FILE: C5875_1.Sch
 PRINTED: 15:40:07 19-Apr-2005

TITLE: GL2400 / GL2800 POWER CONN
 PAGE:
 DRG No: AG5875 ISSUE: 1 SHEET: 1 OF 1



ALLEN & HEATH



GL2400

SERVICE INFORMATION

Publication AP6060

Introduction

This publication provides technical information on servicing the Allen & Heath **GL2400**. Included are internal layout drawing, block diagram and circuit schematics with board layouts and spare parts lists. Whilst we believe this information to be reliable we do not assume responsibility for inaccuracies. We also reserve the right to make changes in the interest of further product development.

Additional Resources

| | | |
|--|--|---|
| Allen & Heath web site | www.allen-heath.com | Product information Technical downloads Distribution contacts Company contacts |
| Technical support | support@allen-heath.com | See web for local contact |
| GL2400 User Guide | AP5597 | Operating instructions Performance specification |
| GL2400 SYS-LINK Fitting Instructions | AP6049 | Fitting instructions |
| GL2400 SYS-LINK Applications Note | AP6050 | System Description Cabling Details |

GL2400 Service Information

Issue status: gl2400_ap6060_1.doc

Print date: 17 June 2005

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



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.

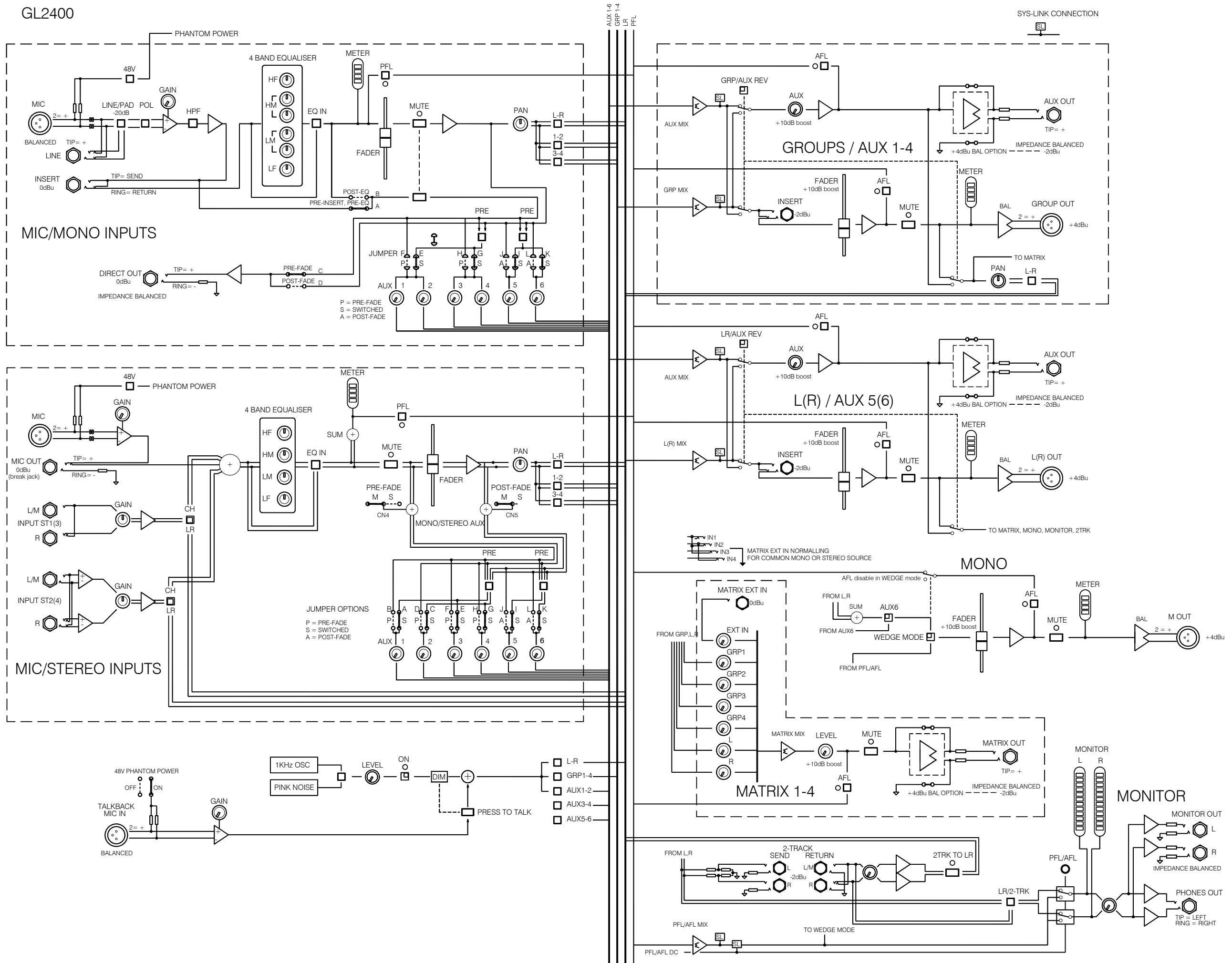


Servicing Notes – GL2400

- User maintenance:** There are several user configurable jumper links inside. These are described in the user guide together with instructions on how to change the default settings.
- Technology:** The **GL2400** uses conventional thru-hole and SMT (surface mount) PCB technology. In certain cases it may be better to replace a faulty assembly rather than try to fix it without the appropriate tools and training. The 16, 24 and 32 channel versions have a built-in switched mode power supply; the 40 channel version uses a rack mountable external linear power supply (RPS11). Due to the mains voltages present in both types of power supply, they should be serviced by suitably qualified personnel only.
- Operation:** To test the console make sure it is connected as described in the user guide. Check that the voltage setting marked on the console (or external power supply) rear panel is correct for the local mains supply.
- Fault finding:** For effective fault diagnosis trace the signal flow through the circuit path. Refer to the system block diagram. Replacement circuit assemblies are available from Allen & Heath.

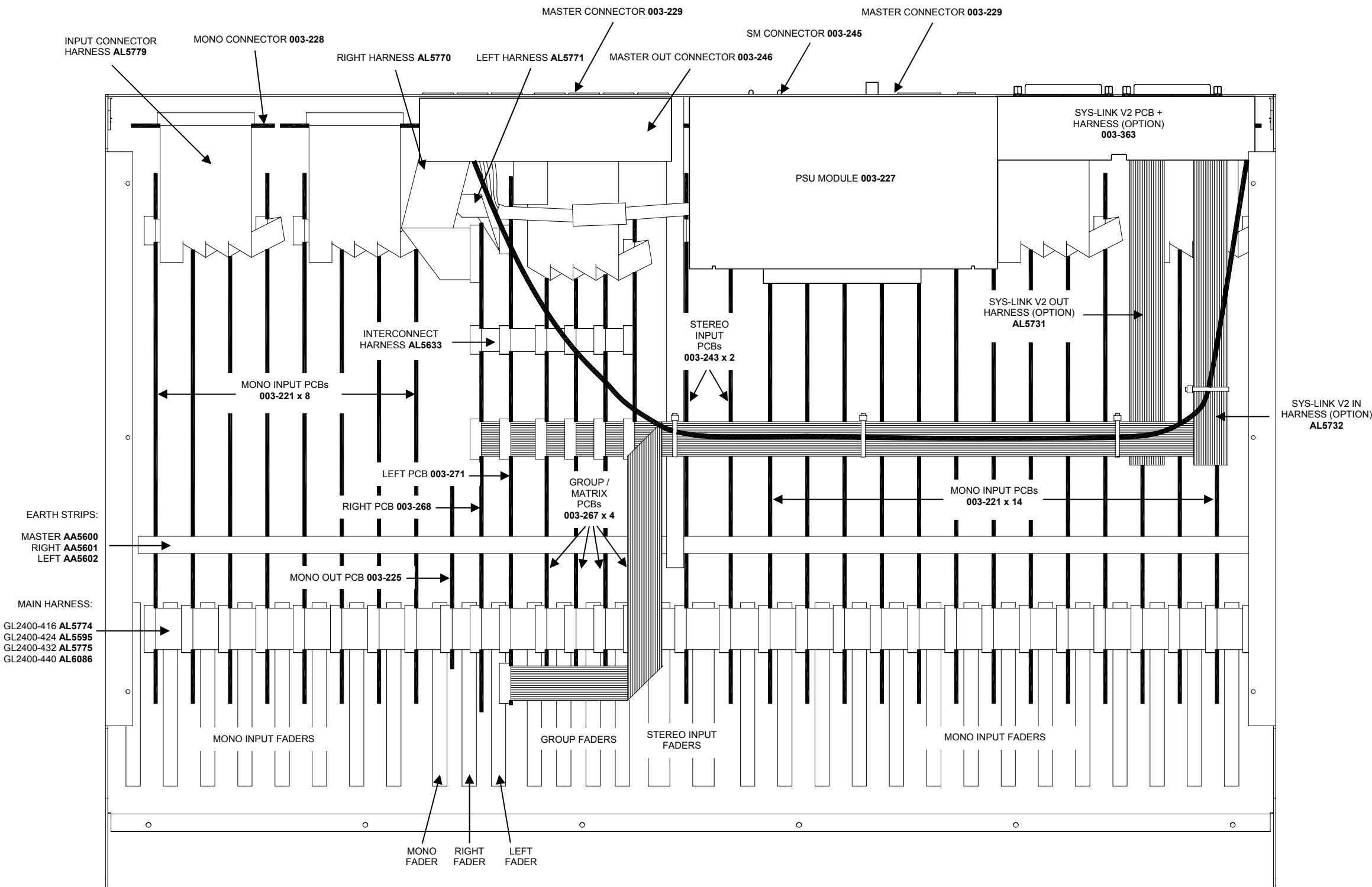
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GL2400 Internal Layout

(GL2400-424 shown)



| | |
|-----------------------------------|-----------------|
| Product | GL2400-416/X |
| | GL2400-424/X |
| | GL2400-432/X |
| | GL2400-440/X |
| | GL2400-416/120X |
| | GL2400-424/120X |
| | GL2400-432/120X |
| | GL2400-440/120X |
| Main Assembly | |
| GL2400-416 | 003-274 |
| GL2400-424 | 003-222 |
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