



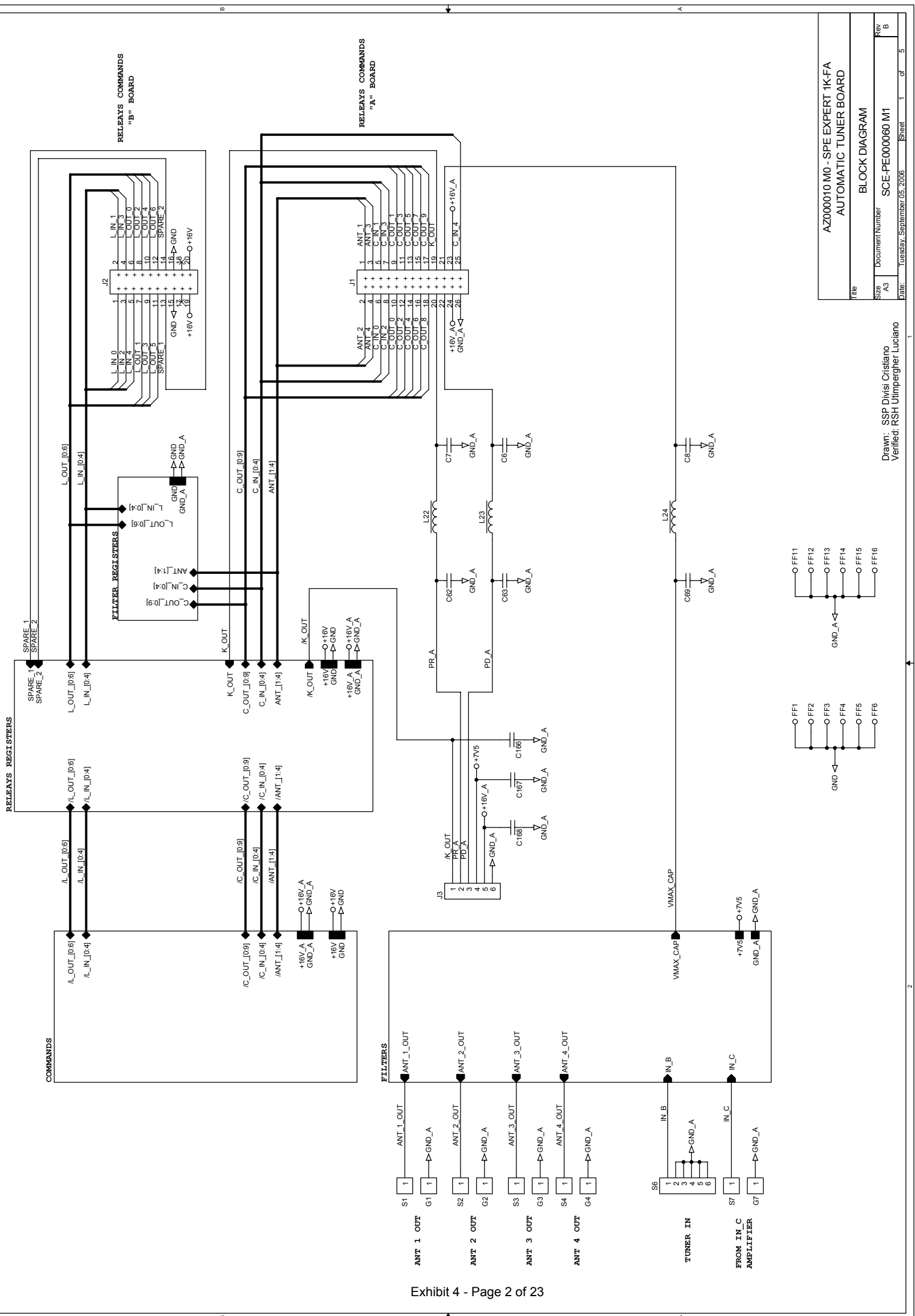
Via di Monteverde, 33
00152 Rome – Italy

Tel. (39-6) 58209429
Fax (39-6) 58209647

Website www.linear-amplifier.com
e-mail info@linear-amplifier.com

Exhibit 4: Schematics

**External Radio Frequency
Linear Amplifier
Model Expert 1K-FA**



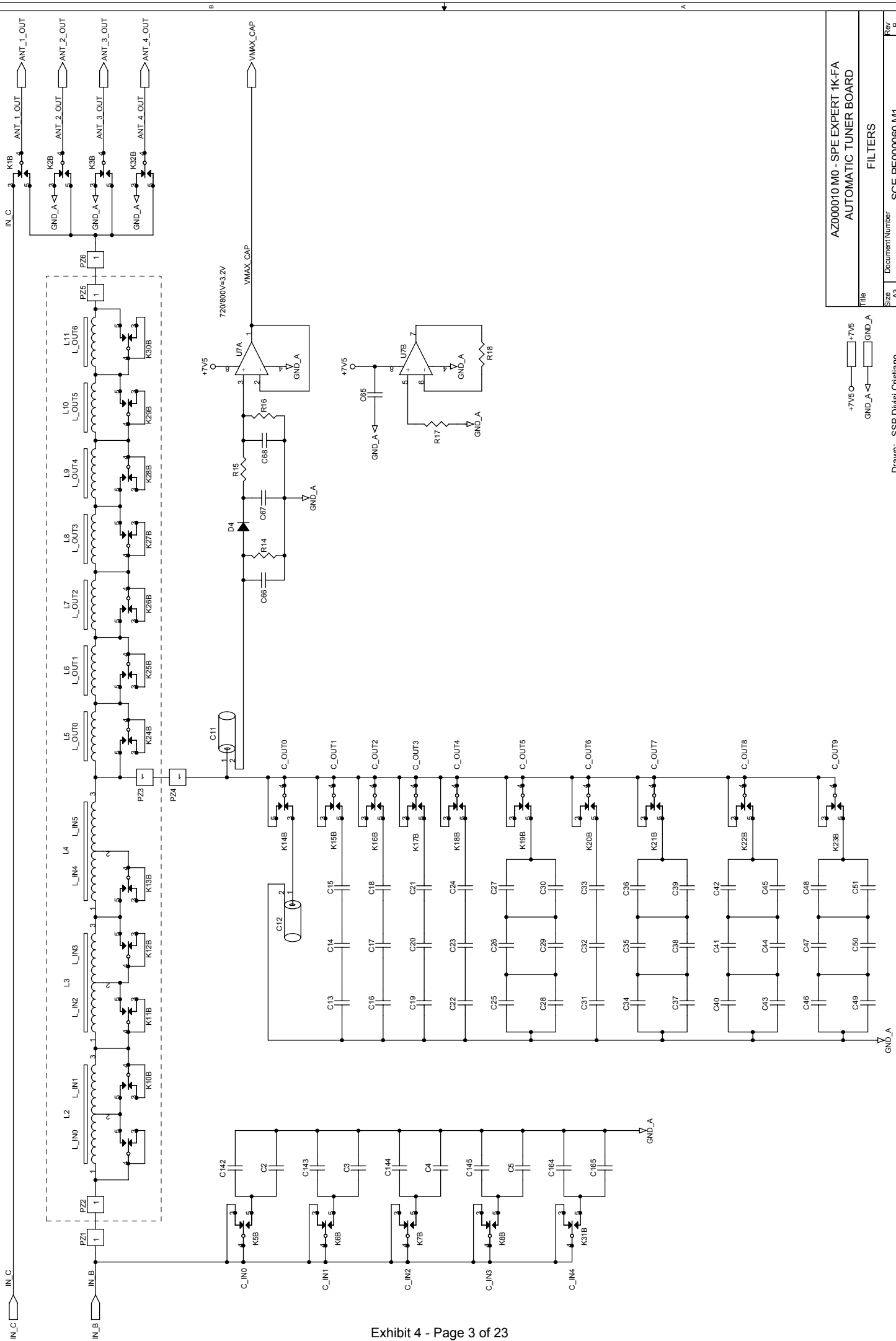
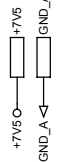


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| AZ000010 M0 - SPE EXPERT 1K-FA | |
| AUTOMATIC TUNER BOARD | |
| FILTERS | |
| Title | |
| Size | A3 |
| Document Number | SCE-PE000060 M1 |
| Date | Tuesday, September 05, 2006 |
| Sheet | 2 of 5 |

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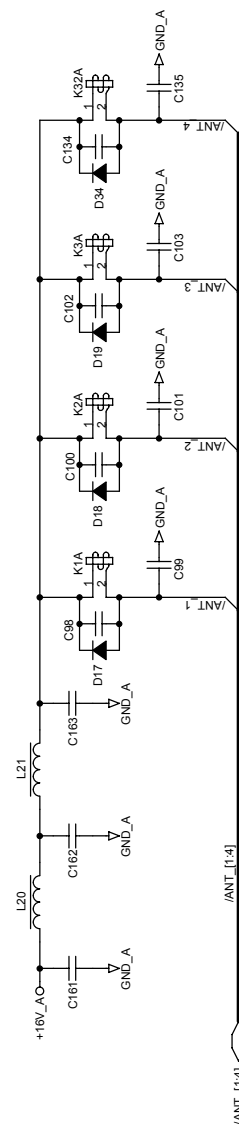
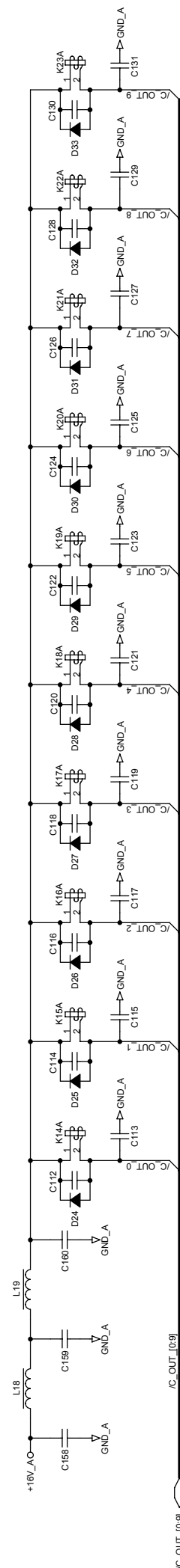
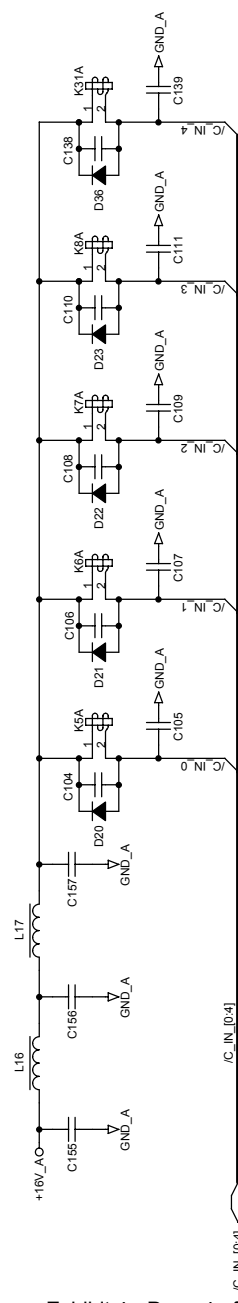
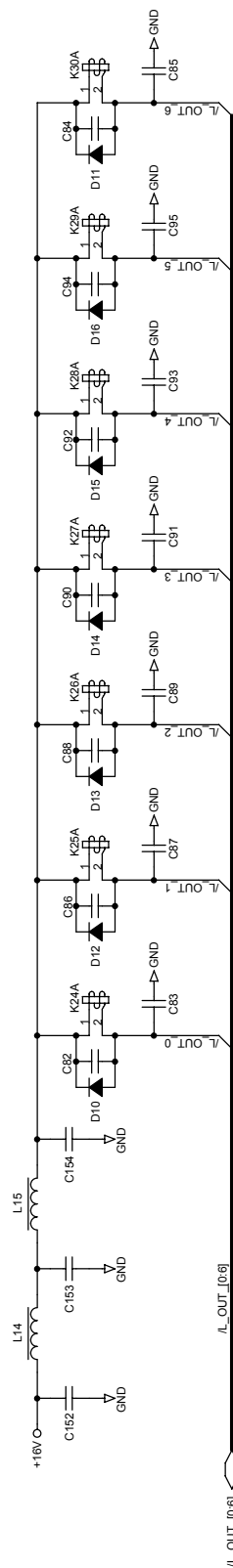
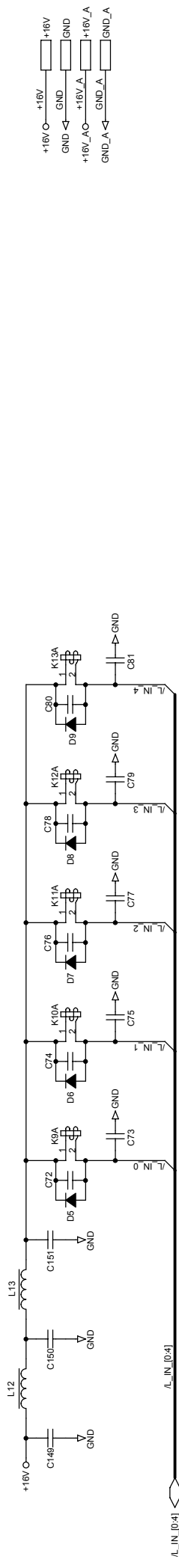
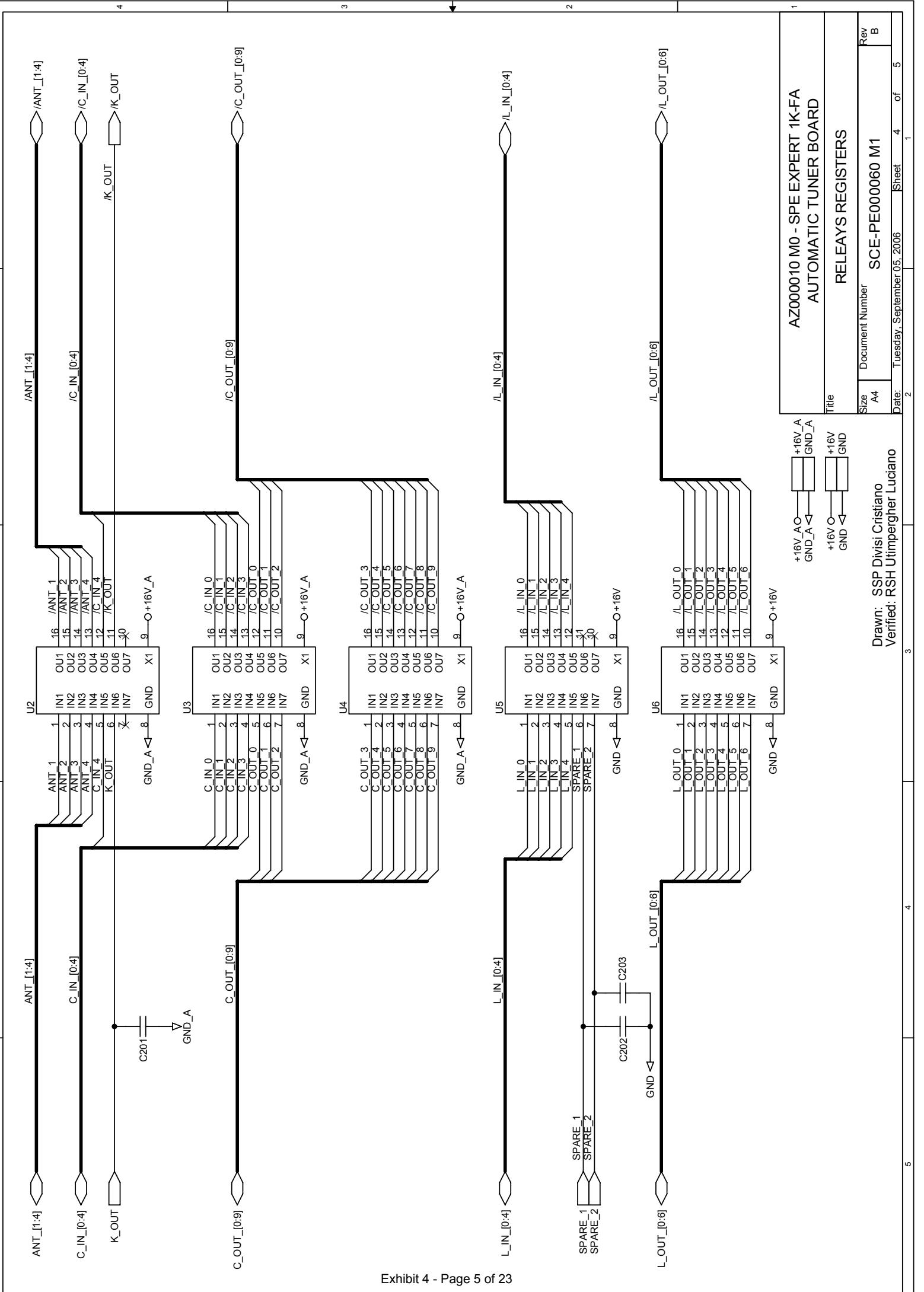


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| Title | | | |
| Size | Document Number | Rev | B |
| A4 | SCE-PE000060 M1 | | |
| Date: | Tuesday, September 05, 2006 | Sheet | 4 of 5 |

| | | | |
|-------------------|--|--|--|
| RELEAYS REGISTERS | | | |
| +16V A O | | | |
| GND_A | | | |
| +16V O | | | |
| GND | | | |

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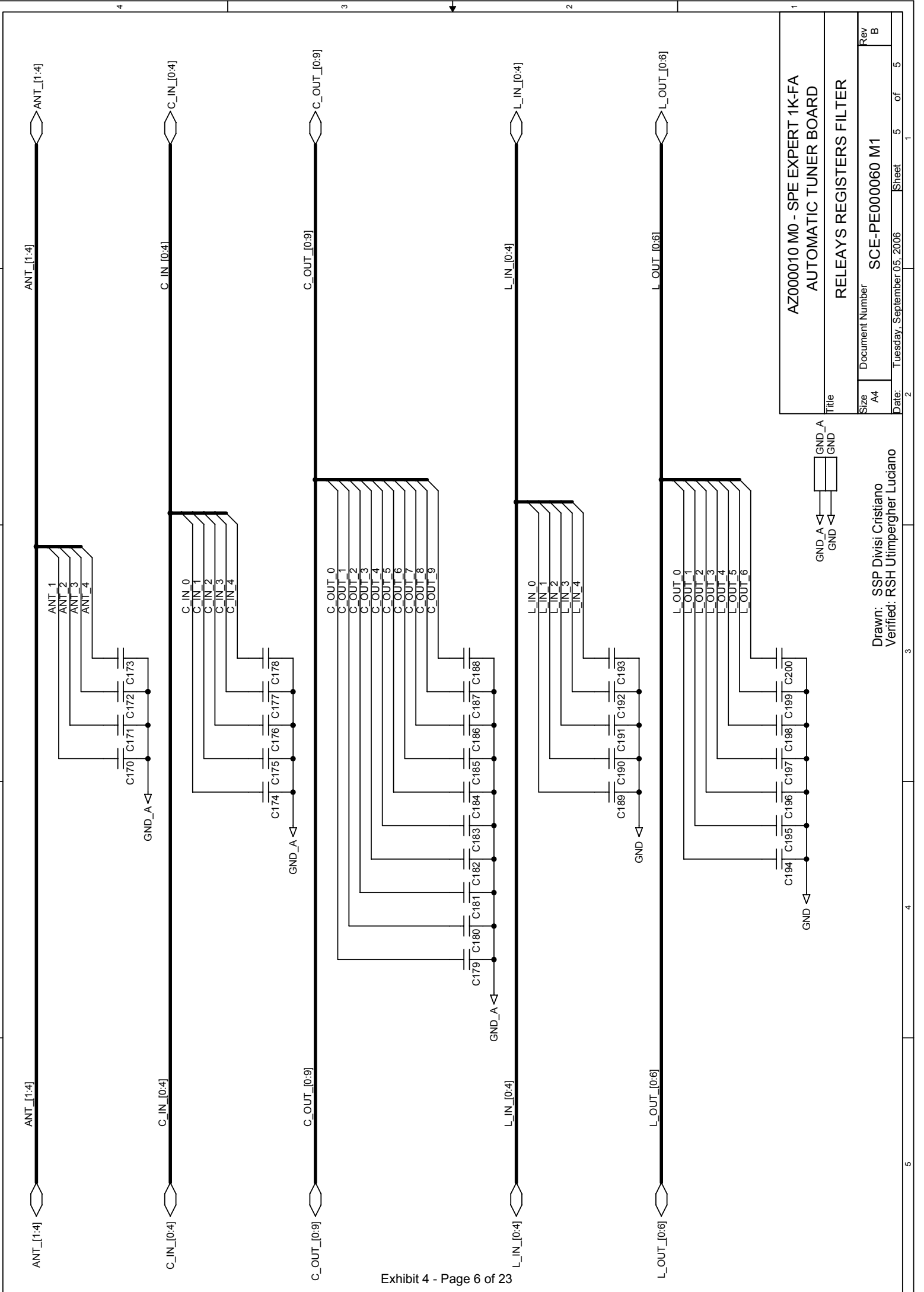
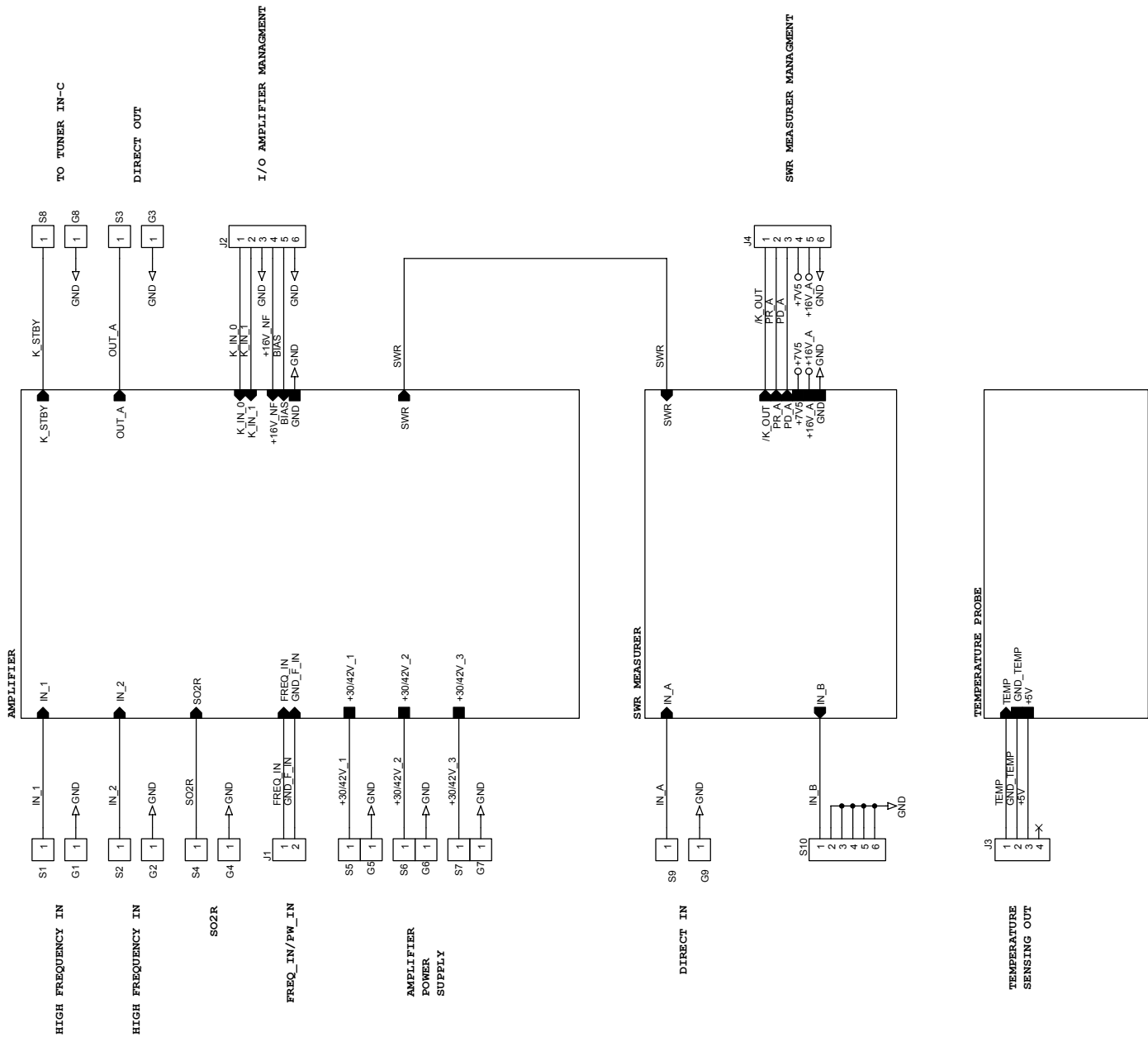


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| RELAYS REGISTERS FILTER | |
| Title | |
| Size | Document Number |
| A4 | SCE-PE000060 M1 |
| Rev | B |
| Date: | Tuesday, September 05, 2006 |
| Sheet | 5 of 5 |

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| | | | |
|--------------------------------|-----------------------------|-------|--------|
| AZ000010 M0 - SPE EXPERT 1K-FA | | | |
| AMPLIFIER BOARD | | | |
| BLOCK DIAGRAM | | | |
| Title | Document Number | Size | Rev |
| | SCE-PE000061 M1 | A3 | B |
| Date: | Wednesday, January 24, 2007 | Sheet | 1 of 4 |

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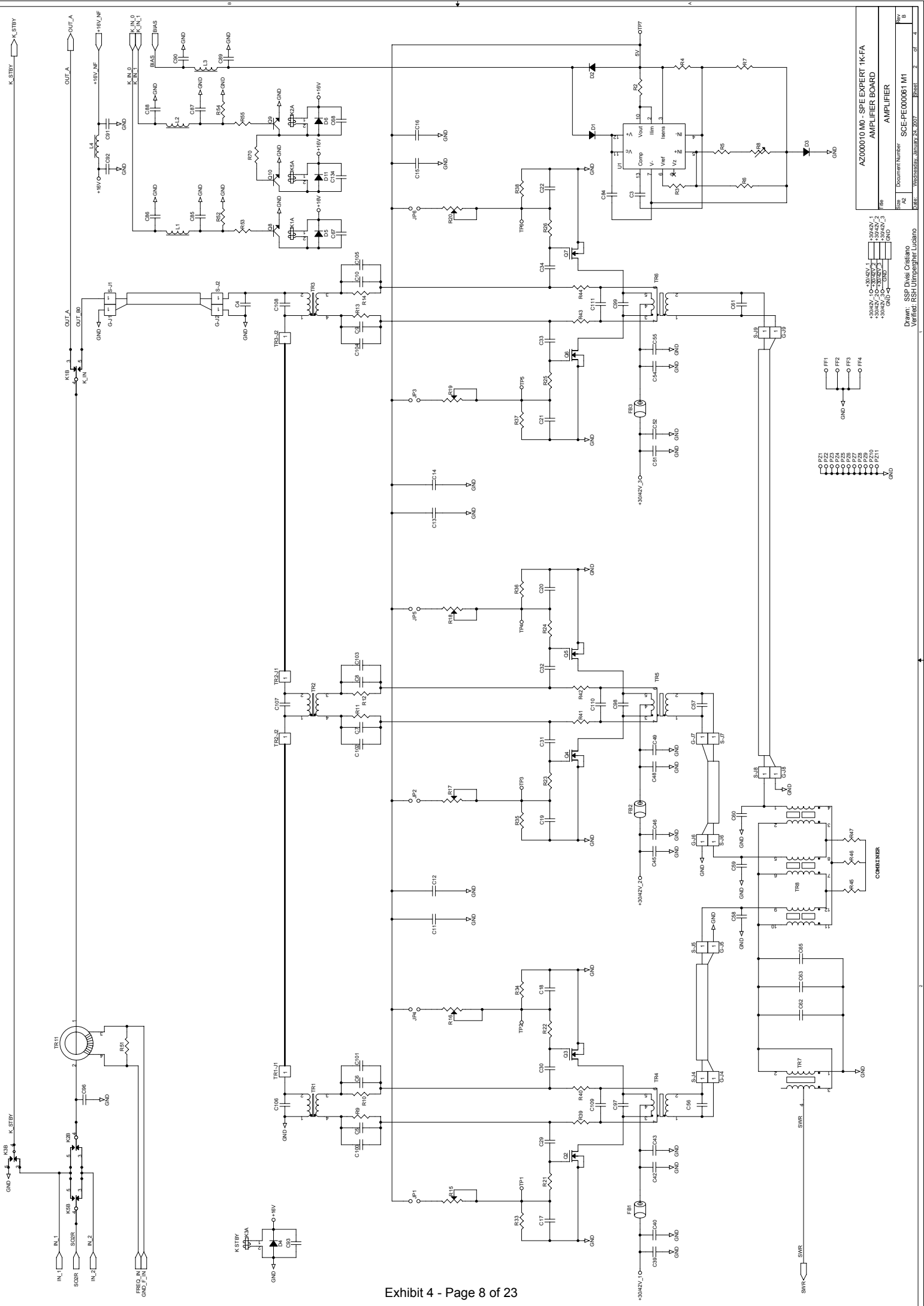
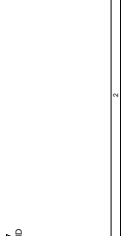
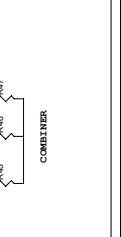
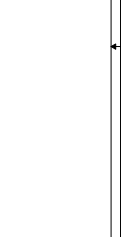
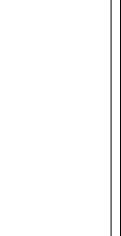
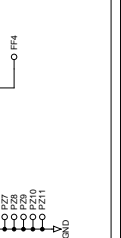
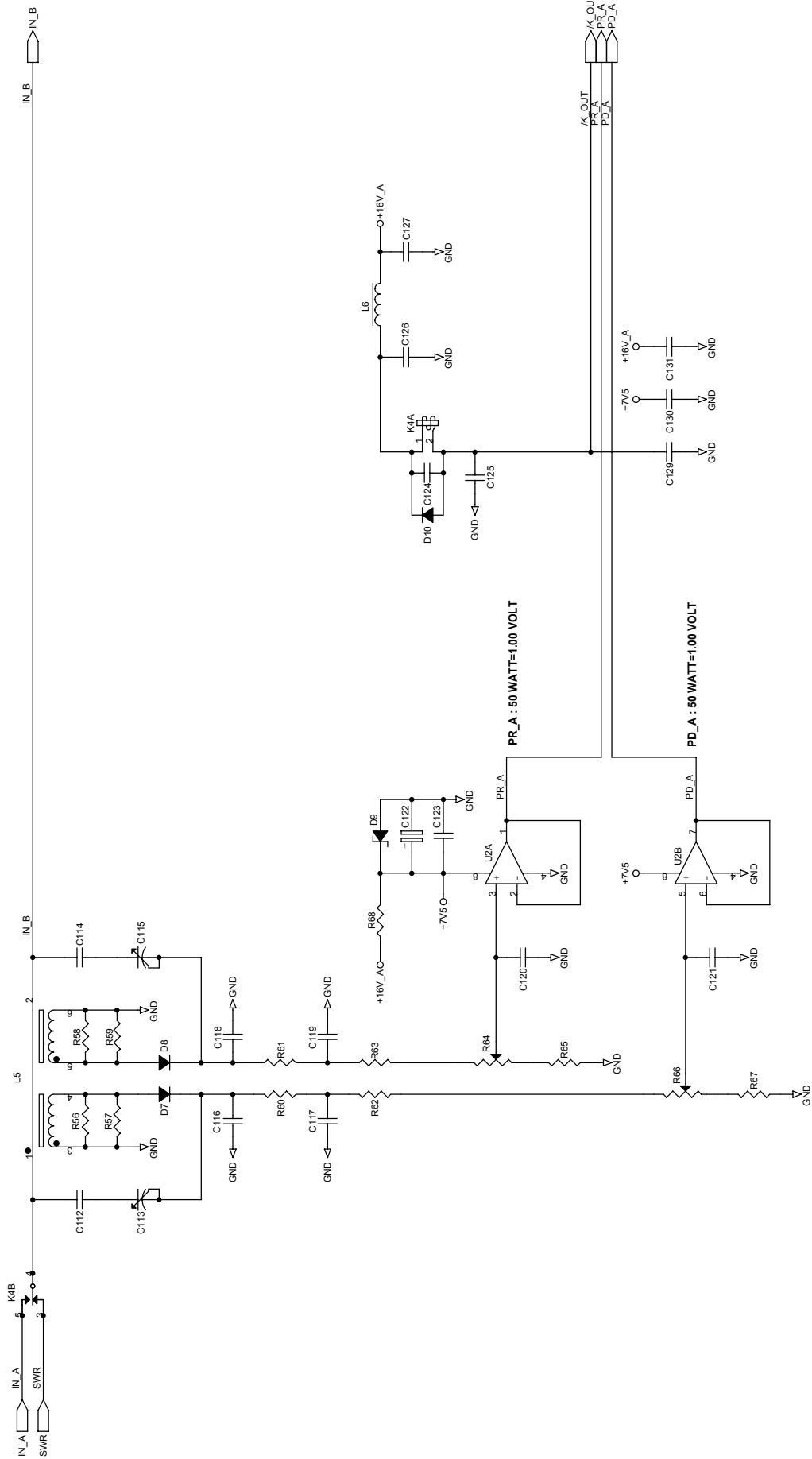


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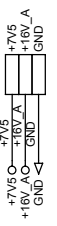
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| Rev | 0 |
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| Page | 2 of 4 |
| Wednesday, January 24, 2007 | |

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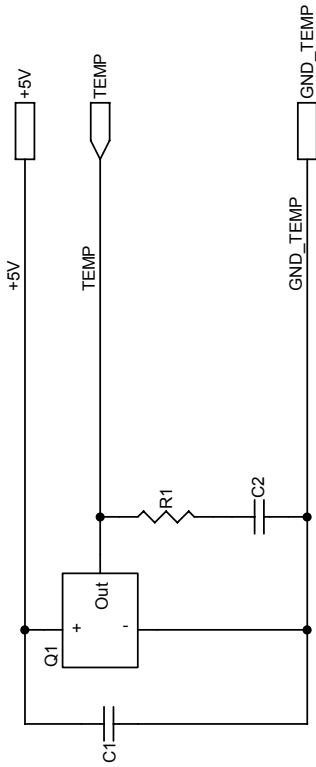




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| AMPLIFIER BOARD | |
| SWR MEASURER | |
| Document Number | SCE-PE000061 M1 |
| Size | A3 |
| Date | Monday, September 11, 2006 |
| Sheet | 3 of 4 |



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AZ000010 M0 - SPE EXPERT 1K-FA
AMPLIFIER BOARD

TEMPERATURE PROBE

| Title | |
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| Size | Document Number |
| A4 | SCE-PE000061 M1 |
| Date: | Tuesday, September 05, 2006 |
| Sheet | 4 of 4 |

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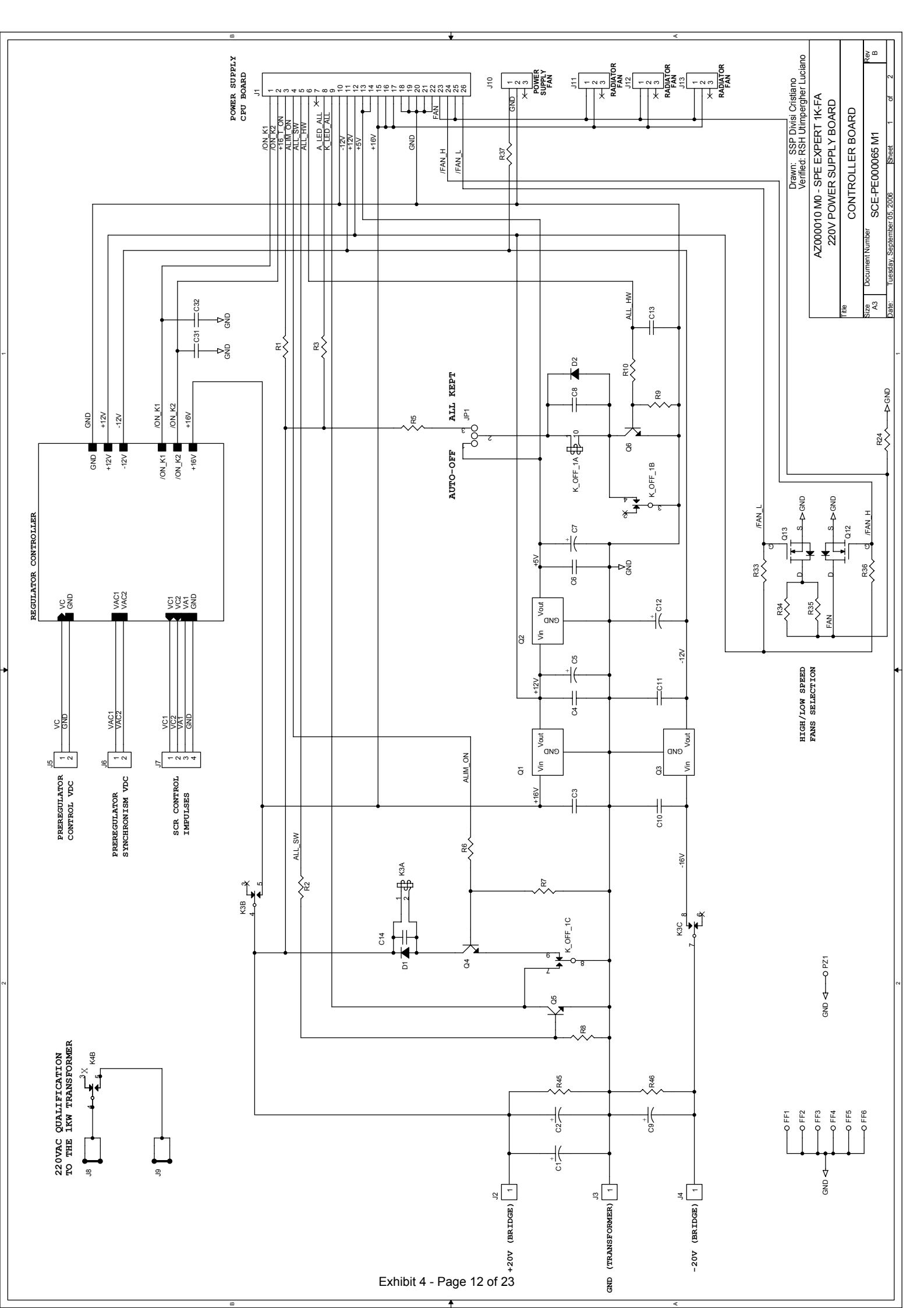
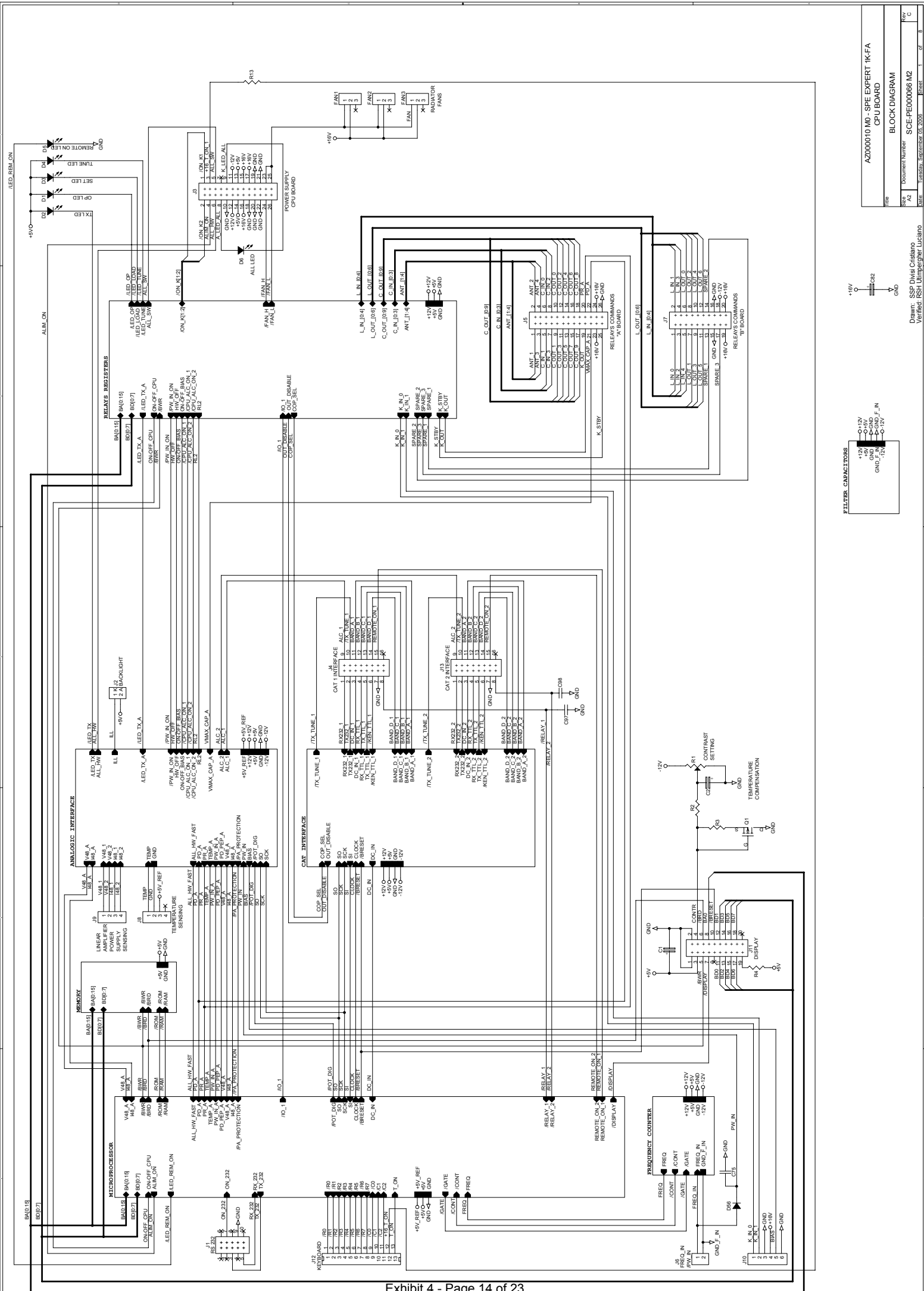
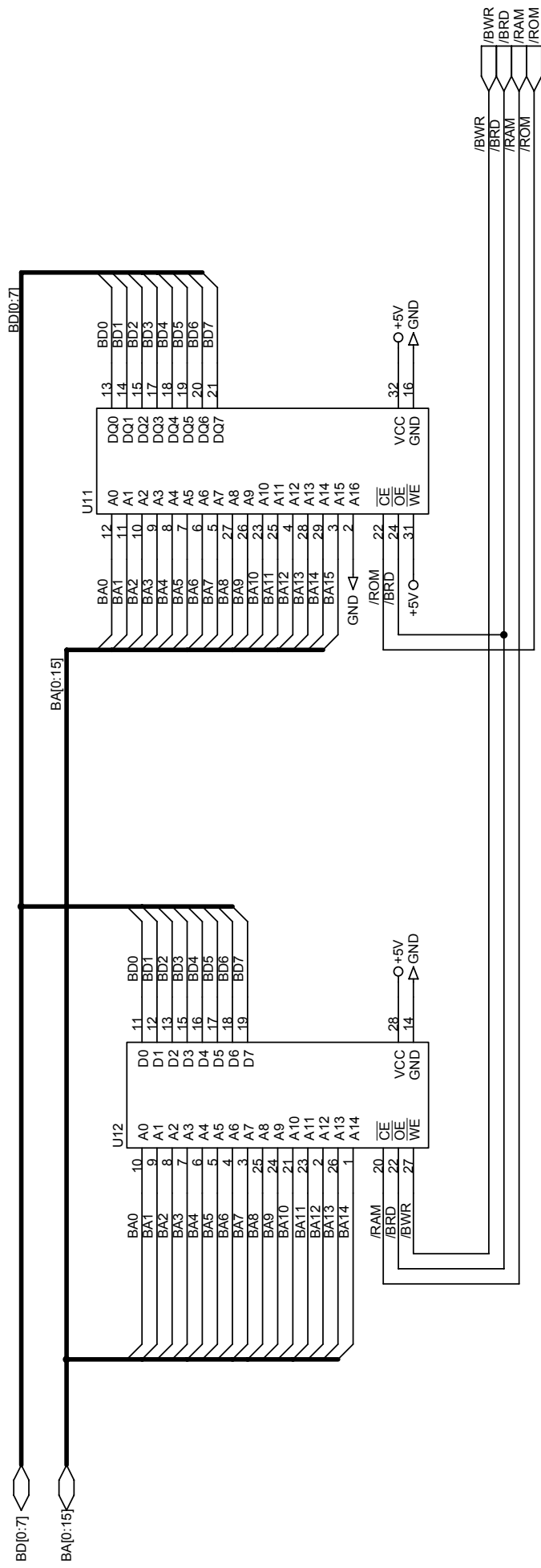
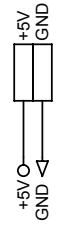


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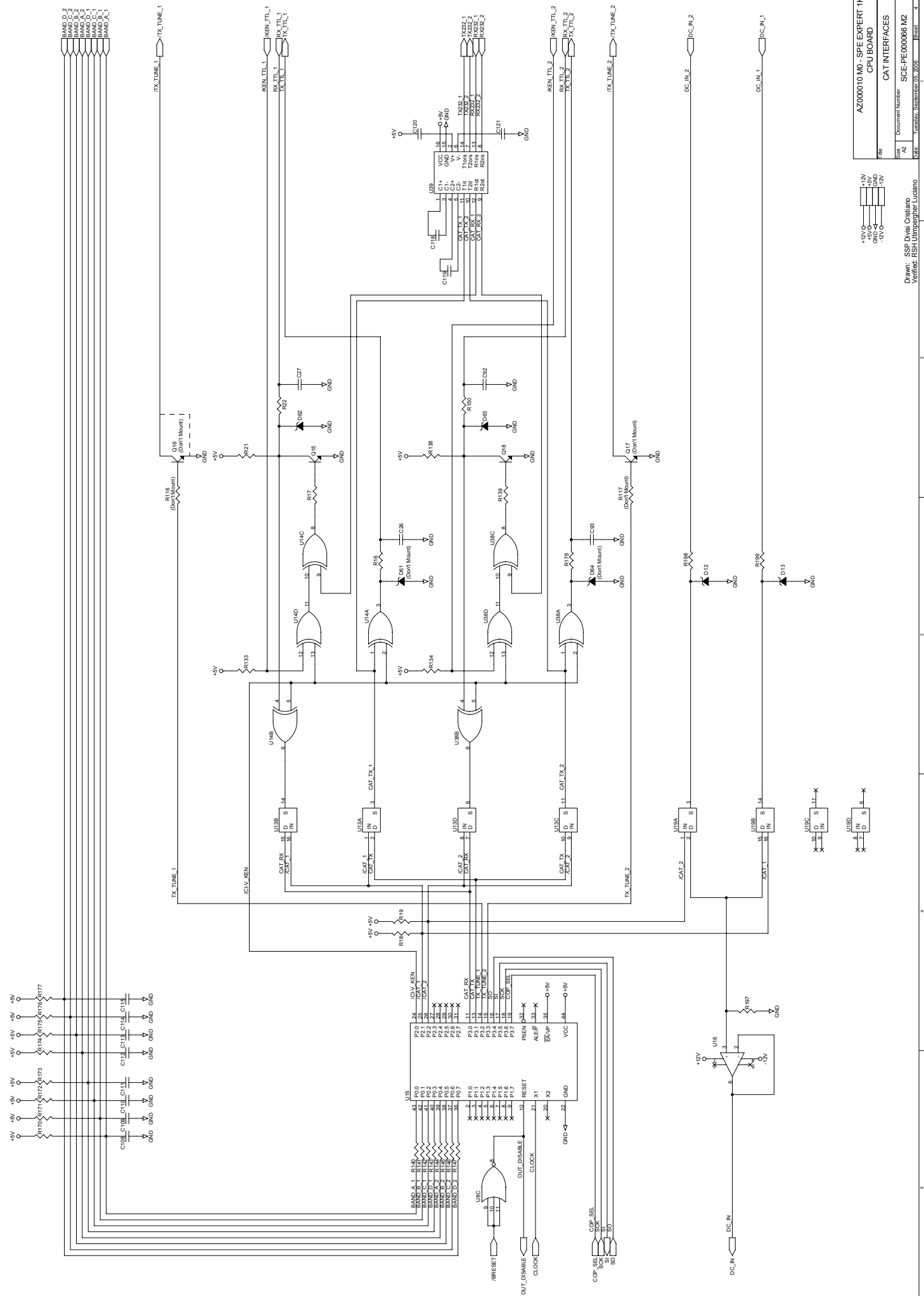




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| Title | | | |
| MEMORY | | | |
| Size | Document Number | Rev | |
| A4 | SCE-PE000066 M2 | C | |
| Date: | Tuesday, September 05, 2006 | Sheet | 3 of 8 |



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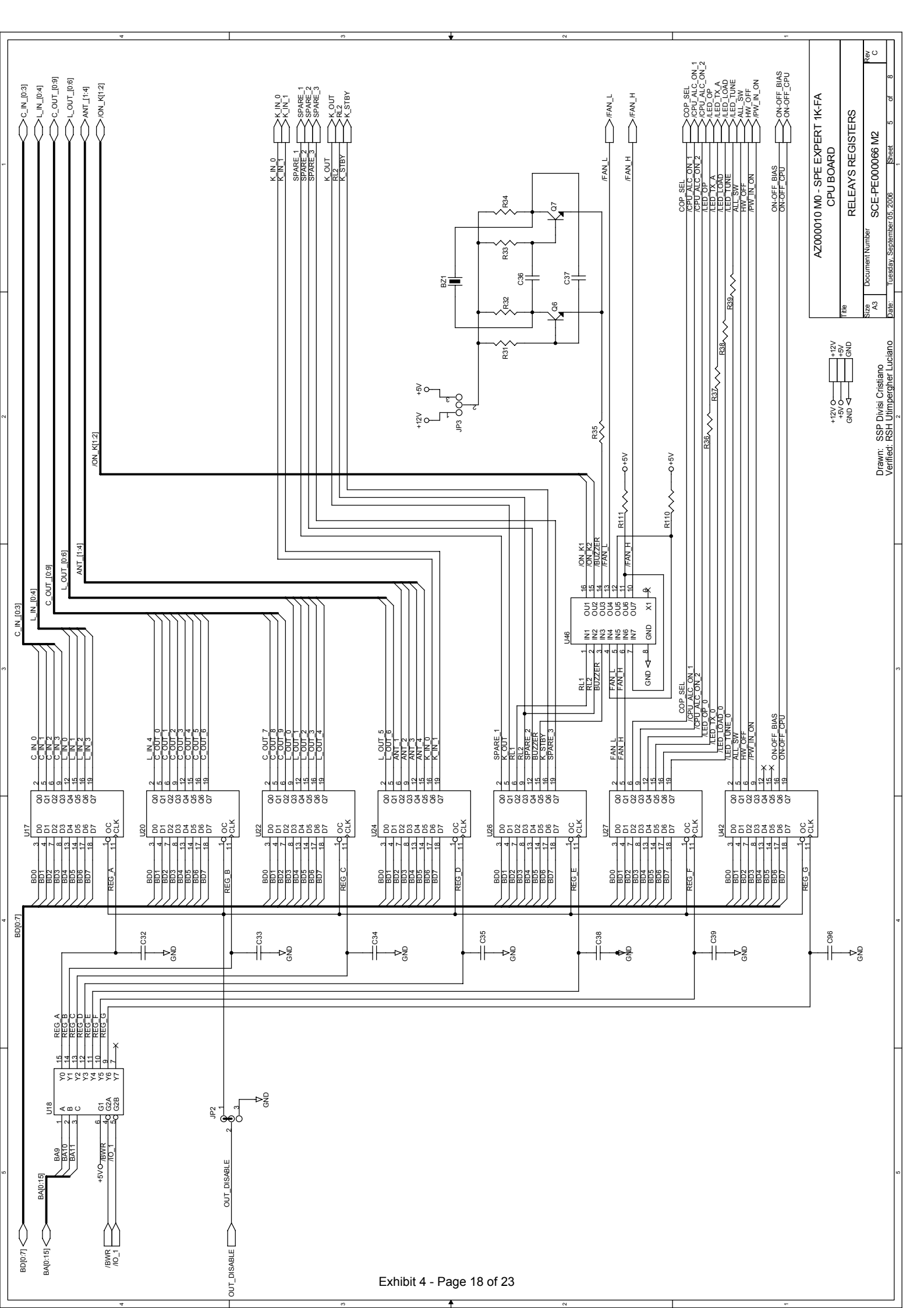
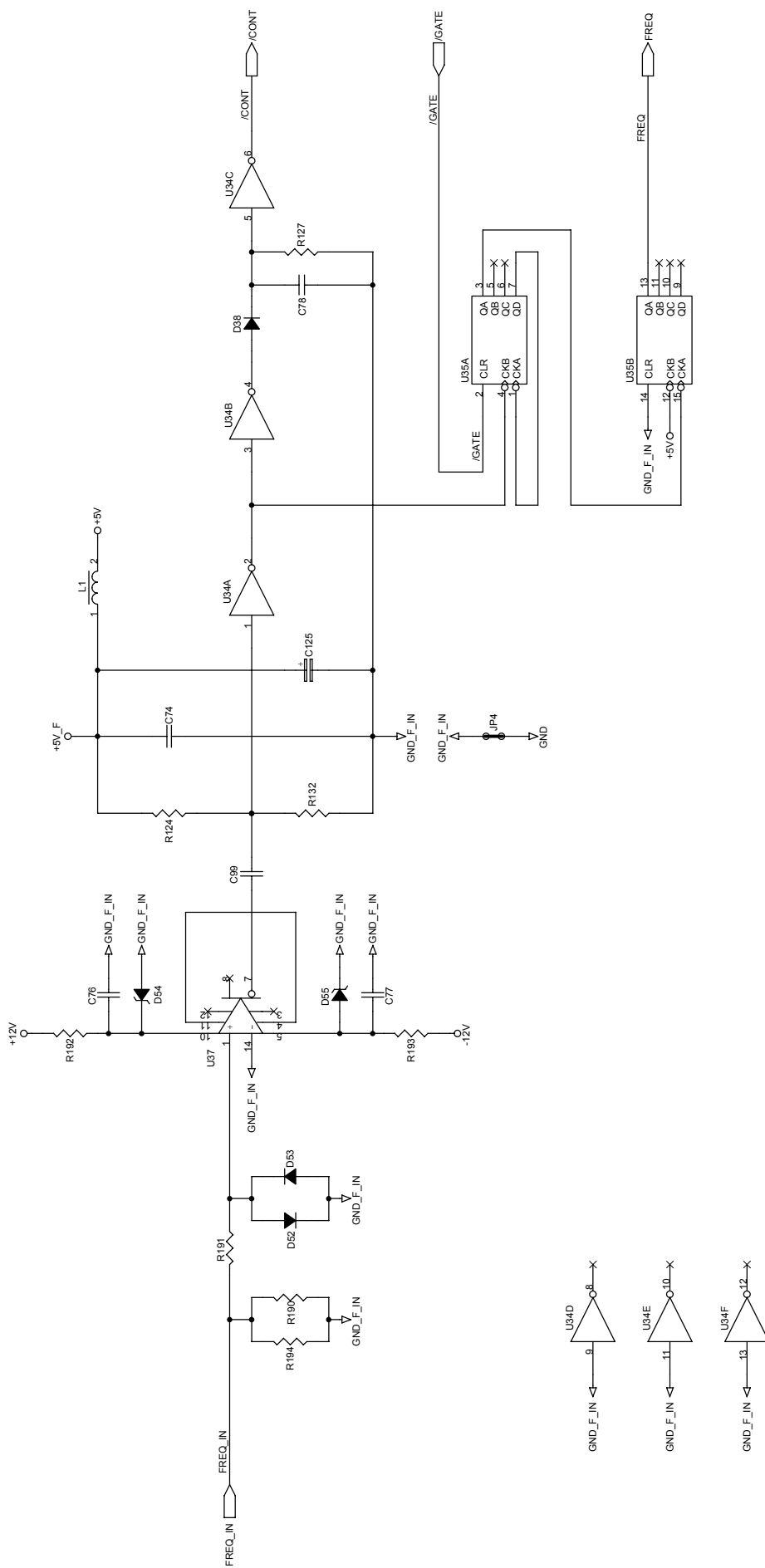


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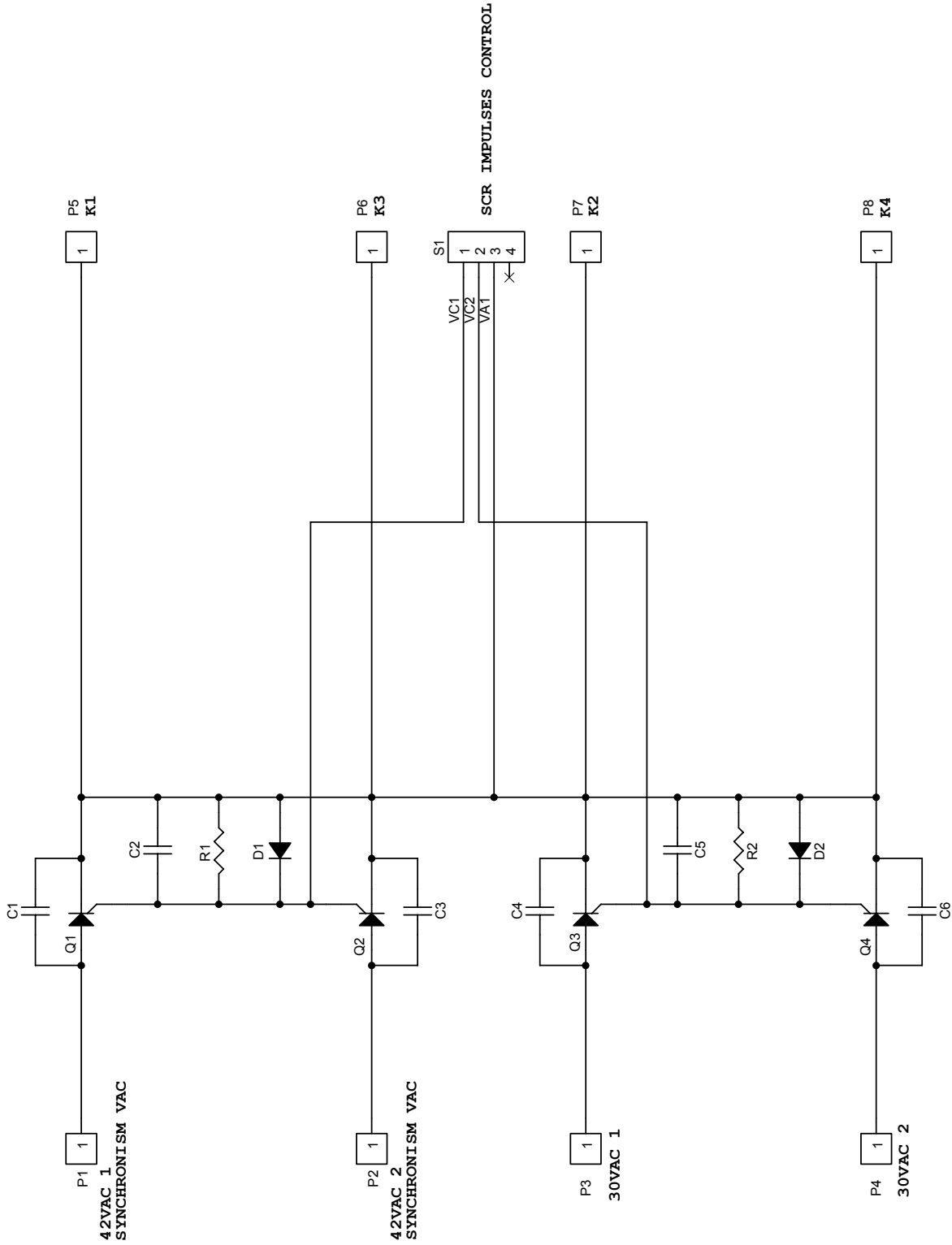
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| Size | A3 |
| Date | Tuesday, September 05, 2006 |
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+12V
 +5V
 GND
 GND_F_IN
 -12V

U34D
 U34E
 U34F

U35A
 U35B

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AZ000010 M0 - SPE EXPERT 1K-FA
SCR BOARD

SCR BOARD

| Title | |
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| Size | Document Number |
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| Date: | Tuesday, September 05, 2006 |
| Sheet | 1 of 1 |

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