

NOTES:

UNLESS OTHERWISE SPECIFIED:

1. ALL RESISTOR VALUES ARE IN OHMS
2. ALL RESISTORS ARE 1/4 WATT 5% OR BETTER
3. CAPACITOR VALUES ARE IN PICO FARADS
4. ALL NON POLARIZED CAPACITORS ARE 50V OR BETTER  
VALUES BELOW 470pF ARE NPO/COG TYPE 5%  
VALUES 470pF TO 1000pF ARE X7R 10%  
VALUES ABOVE 1000pF ARE Z5U +/- 20 %
5. ALL POLARIZED CAPACITORS ARE 20% OR BETTER
6. ALL DIODES ARE 1N4148

REVISION HISTORY

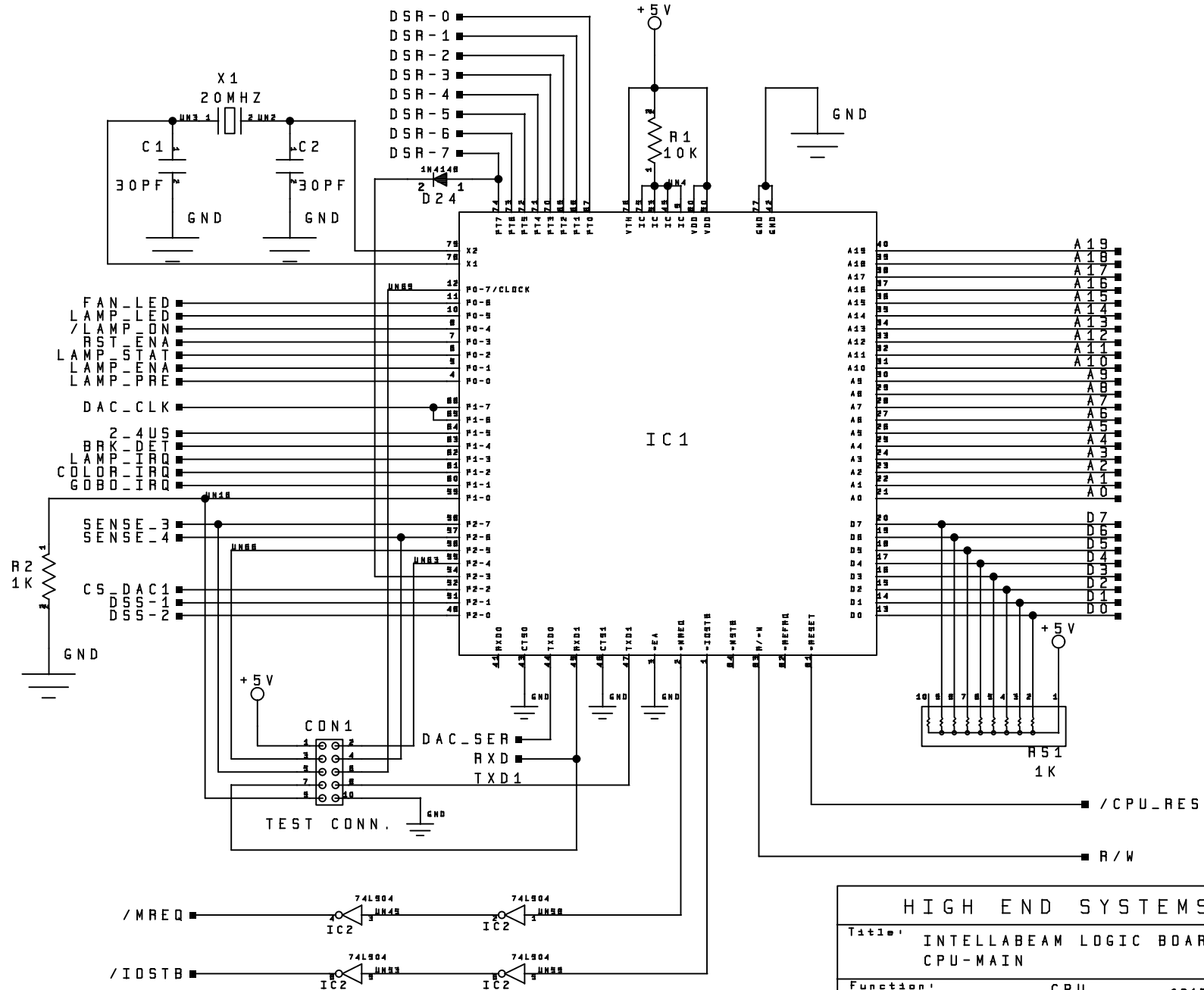
| SCH REV | PCB REV | ECO NO. | DATE     | COMMENT |
|---------|---------|---------|----------|---------|
| - 4.1   | - 4.1   | -       | 02/06/97 | INITIAL |
|         |         |         |          |         |
|         |         |         |          |         |
|         |         |         |          |         |

# INTELLABEAM LOGIC BOARD

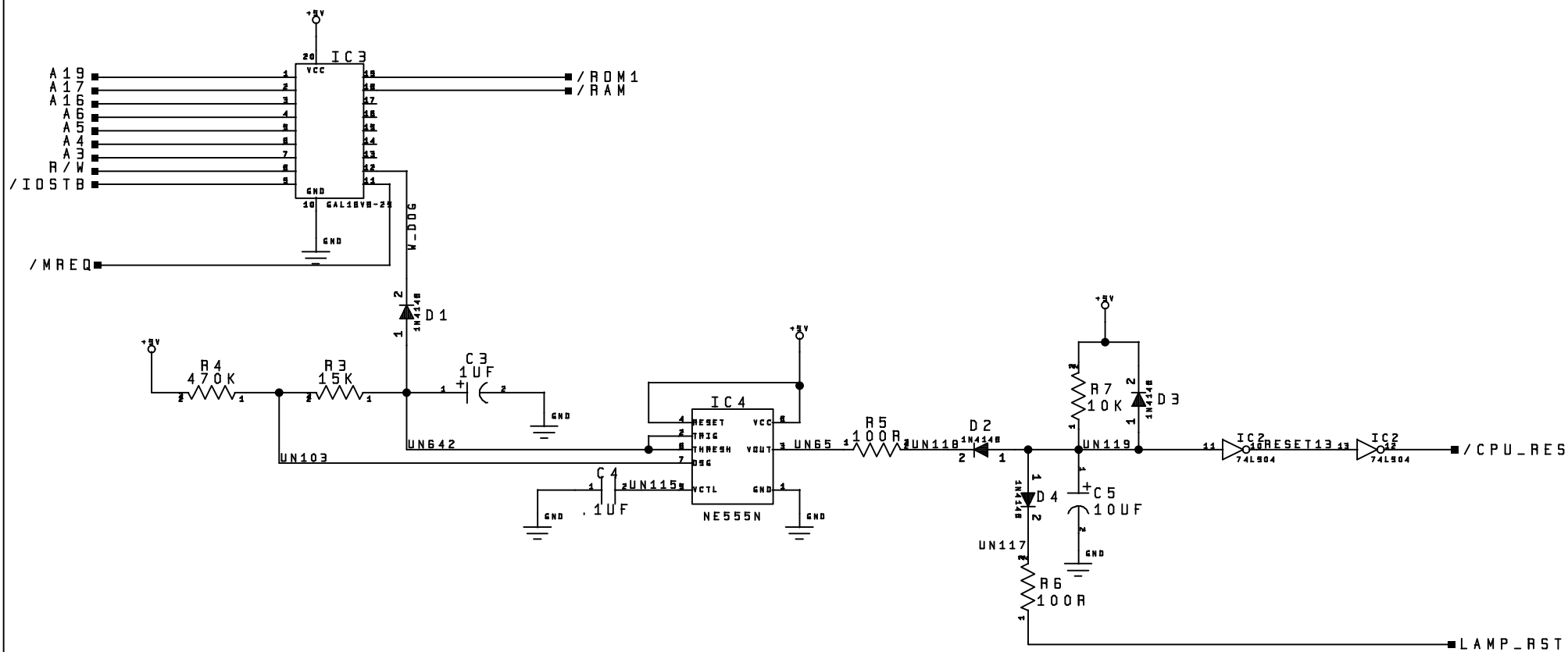
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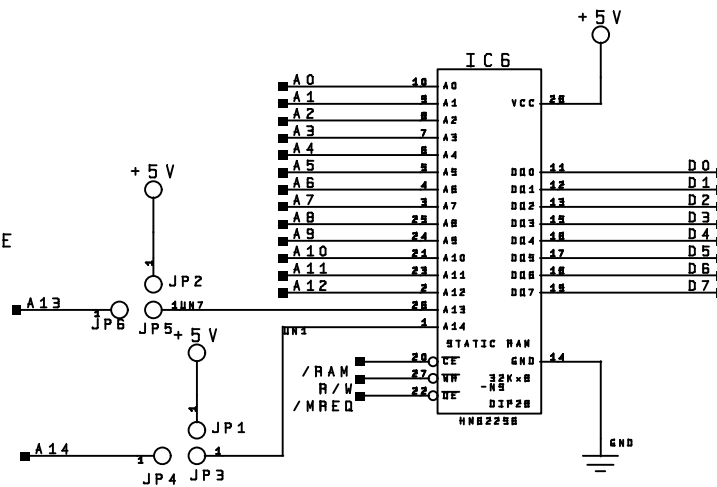
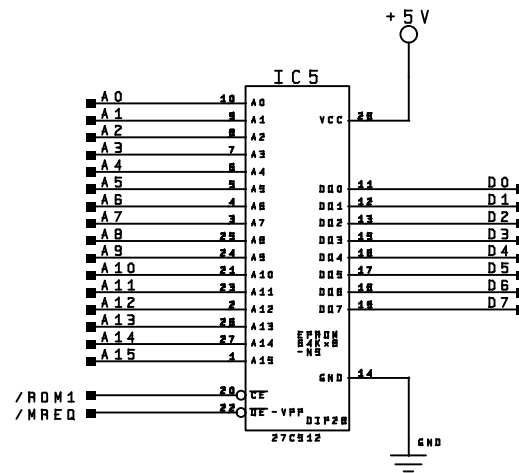
|                                            |         |             |                                                                                       |       |
|--------------------------------------------|---------|-------------|---------------------------------------------------------------------------------------|-------|
| HIGH END SYSTEMS INC.                      |         |             |                                                                                       |       |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |         |             |  |       |
| Function: COVER SHEET 081R41               |         |             |                                                                                       |       |
| Drawing No.<br>SCH-99030081                |         | REV.<br>4.1 | Designed: TOM GRIMES                                                                  |       |
| Drawn: DERRICK RIVERS                      |         |             | Approved:                                                                             |       |
| Date 6-9-1997-15:26                        | Size A2 | Page        | 1                                                                                     | of 12 |



|                                            |             |                                                                                       |                                      |
|--------------------------------------------|-------------|---------------------------------------------------------------------------------------|--------------------------------------|
| HIGH END SYSTEMS INC.                      |             |                                                                                       |                                      |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |             |  |                                      |
| Function: CPU OB1R41                       |             |                                                                                       |                                      |
| Drawing No.<br>SCH-99030081                | REV.<br>4.1 | Size A2                                                                               | Date 3-21-1997-10-32<br>Page 2 of 12 |



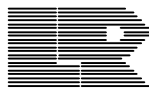
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| HIGH END SYSTEMS INC.                      |             |                                                                                       |                                      |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |             |  |                                      |
| Function: WATCHDOG 081R41                  |             |                                                                                       |                                      |
| Drawing No.<br>SCH-99030081                | REV.<br>4.1 | Size A2                                                                               | Date 3-21-1997-10:33<br>Page 3 of 12 |

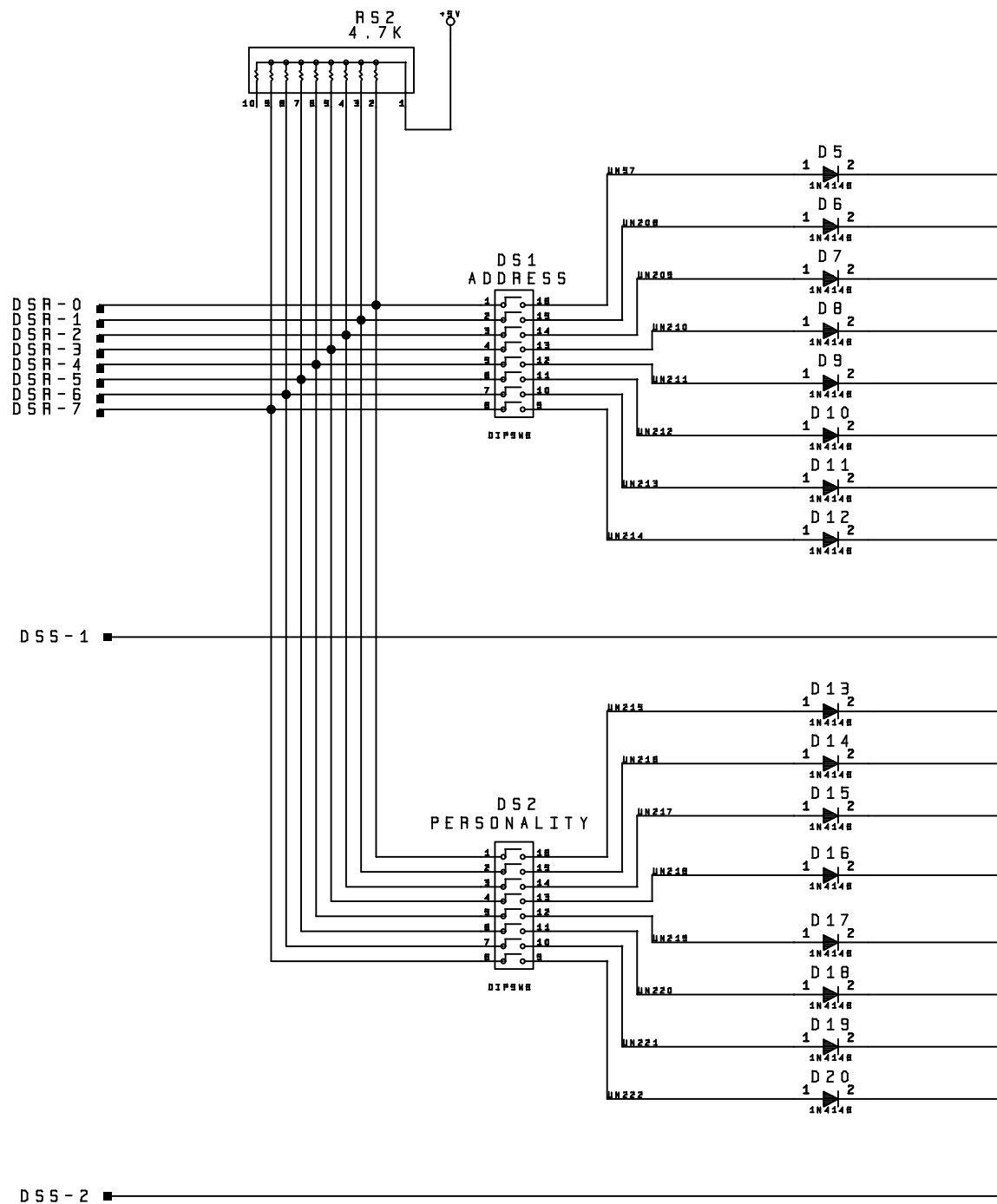


JP1-JP6 JUMPERS ENABLE THE USE  
OF EITHER 6264'S OR 62256'S.

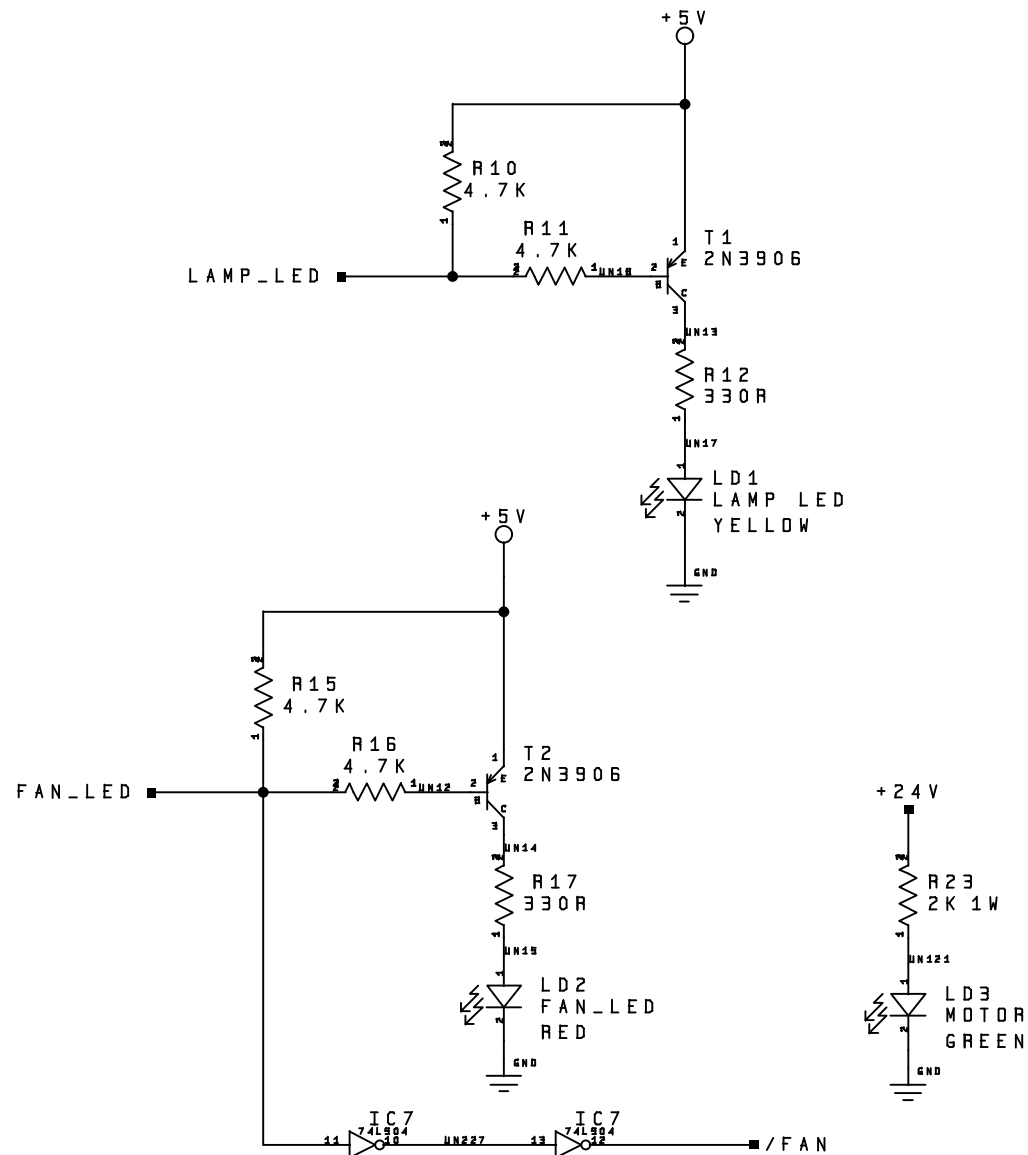
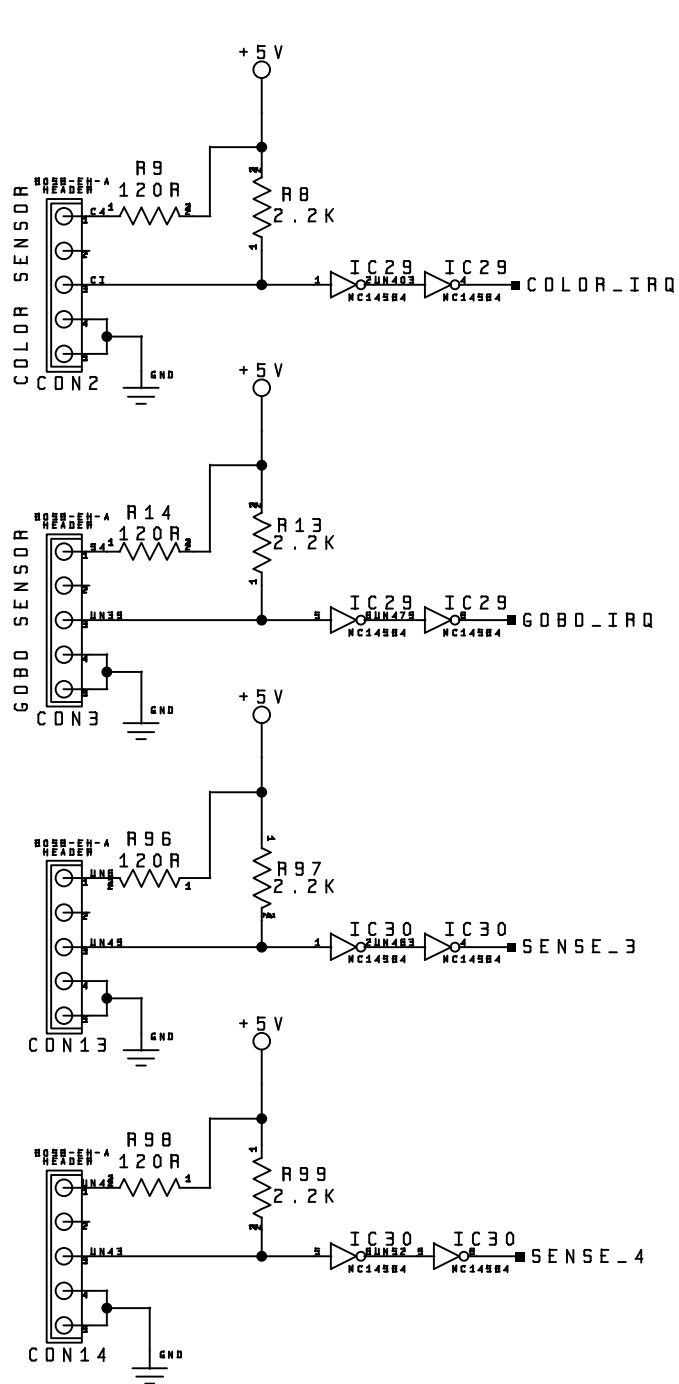
FOR 6264'S TIE:  
JP1-JP3  
JP2-JP5

FOR 62256 TIE:  
JP3-JP4  
JP5-JP6

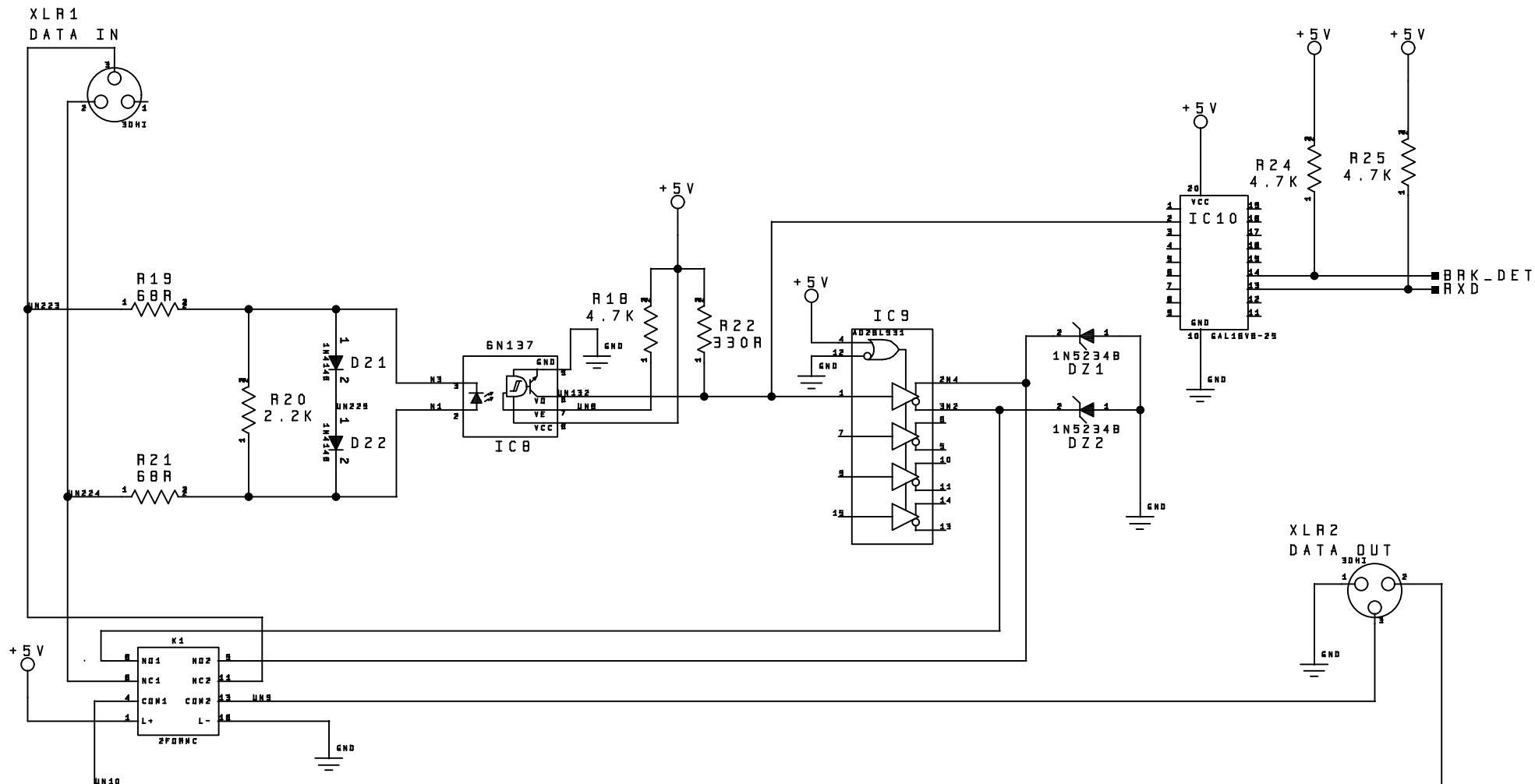
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|--------------------------------------------|-------------|---------------------------------------------------------------------------------------|--------------------------------------|
| HIGH END SYSTEMS INC.                      |             |                                                                                       |                                      |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |             |  |                                      |
| Function: RDM & RAM 081R41                 |             |                                                                                       |                                      |
| Drawing No.<br>SCH-99030081                | REV.<br>4.1 | Size A2                                                                               | Date 3-21-1987-10:34<br>Page 4 of 12 |



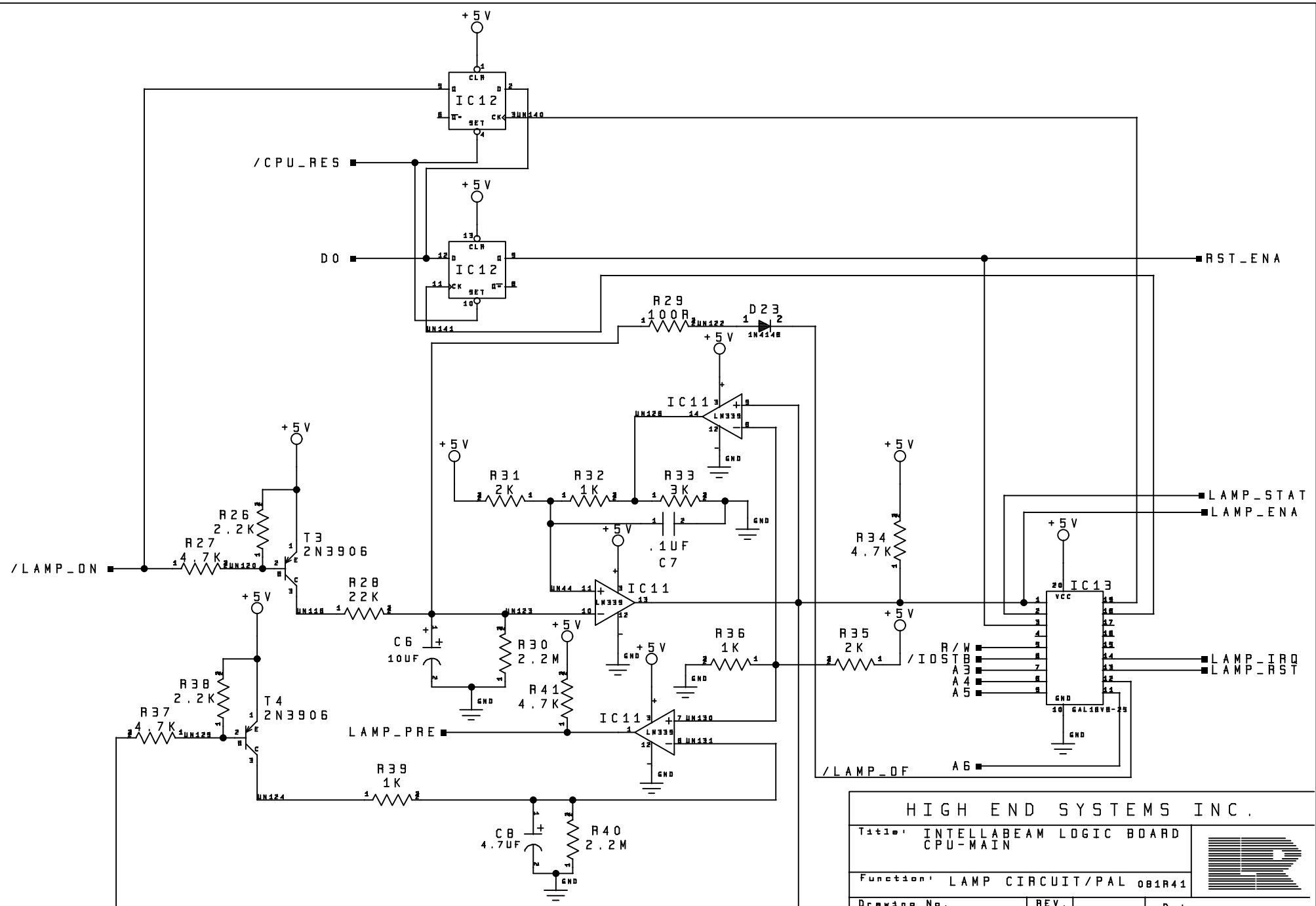
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|--------------------------------------------|-------------|---------------------------------------------------------------------------------------|--------------------------------------|
| HIGH END SYSTEMS INC.                      |             |                                                                                       |                                      |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |             |  |                                      |
| Function: ADDRESS & PERSONALITY 081R41     |             |                                                                                       |                                      |
| Drawing No.<br>SCH-99030081                | REV.<br>4.1 | Size A2                                                                               | Date 3-21-1997-10:34<br>Page 5 of 12 |



|                                            |             |                                                                                       |                                      |
|--------------------------------------------|-------------|---------------------------------------------------------------------------------------|--------------------------------------|
| HIGH END SYSTEMS INC.                      |             |                                                                                       |                                      |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |             |  |                                      |
| Function: SENSORS 081R41                   |             |                                                                                       |                                      |
| Drawing No.<br>SCH-99030081                | REV.<br>4.1 | Size A2                                                                               | Date 3-21-1997-10:35<br>Page 6 of 12 |



|                                            |             |                                                                                       |                                      |
|--------------------------------------------|-------------|---------------------------------------------------------------------------------------|--------------------------------------|
| HIGH END SYSTEMS INC.                      |             |                                                                                       |                                      |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |             |  |                                      |
| Function: DATA I/O 081R41                  |             |                                                                                       |                                      |
| Drawing No.<br>SCH-99030081                | REV.<br>4.1 | Size A2                                                                               | Date 3-21-1997-10:35<br>Page 7 of 12 |



HIGH END SYSTEMS INC.

Title: INTELLABEAM LOGIC BOARD  
CPU-MAIN

Function: LAMP CIRCUIT/PAL 081R41

Drawing No.  
SCH-99030081

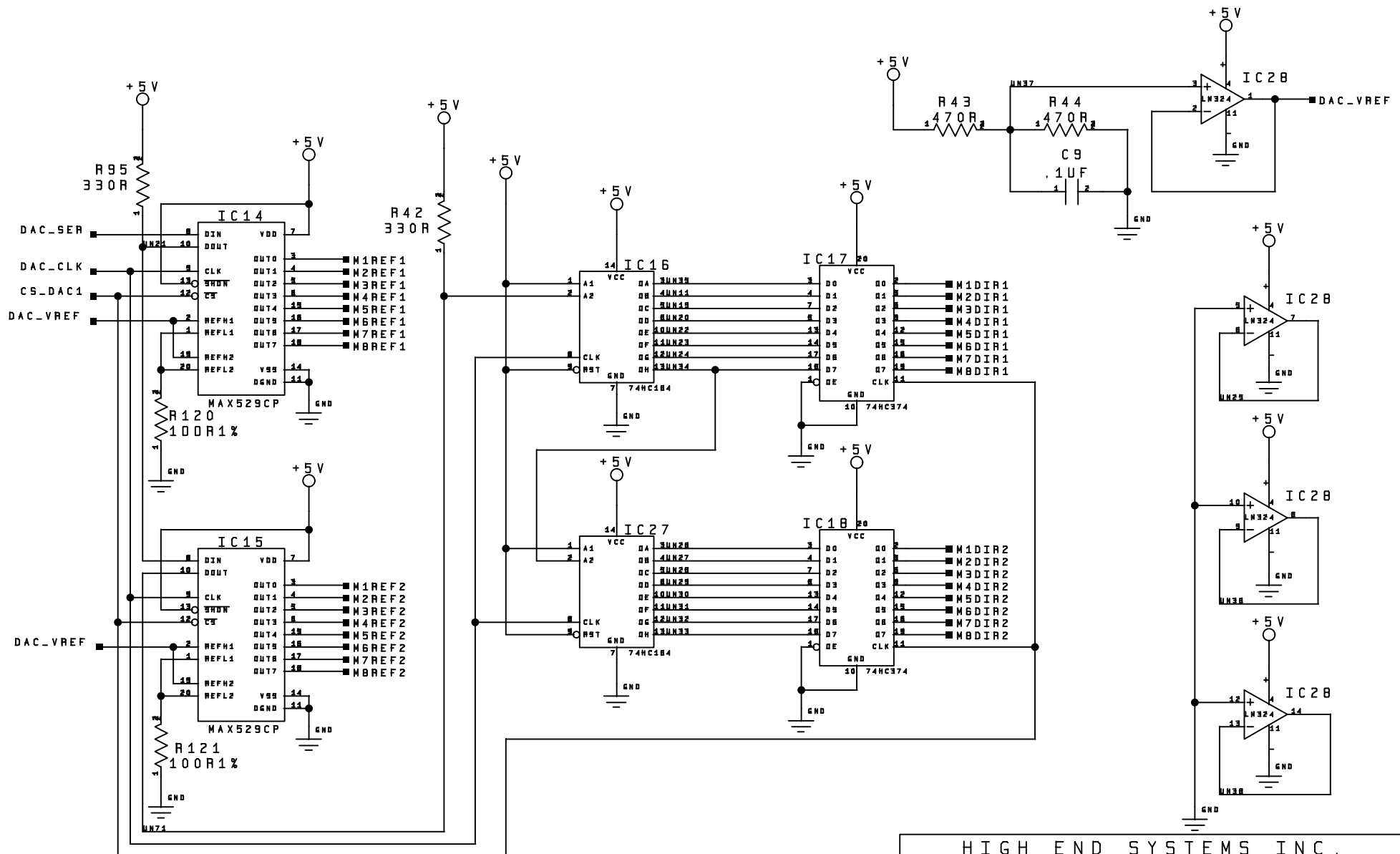
REV.  
4.1

Size A2

Date 3-21-1997-10:36  
Page 8 of 12







HIGH END SYSTEMS INC.

Title: INTELLABEAM LOGIC BOARD

CPU-MAIN

Function: D/A CONVERTERS 081R41

Drawing No.  
SCH-99030081

REV.  
4.1

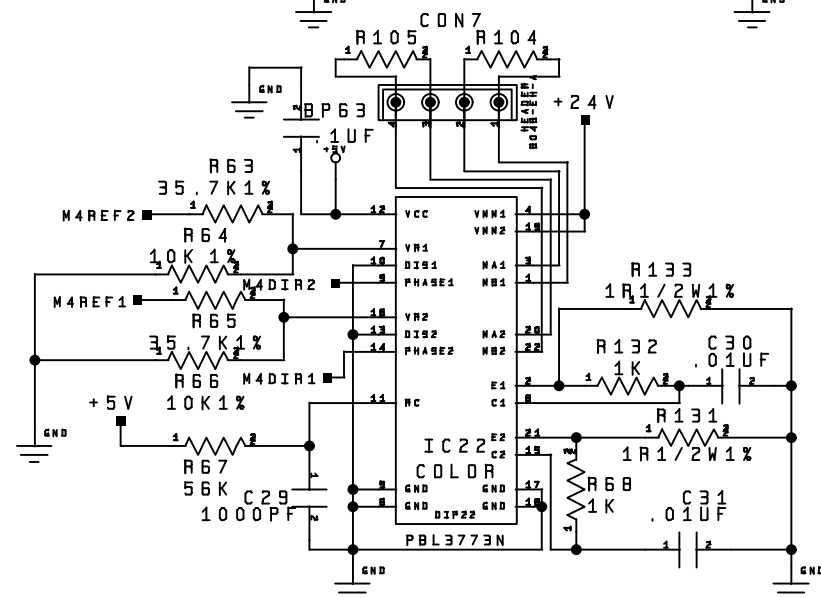
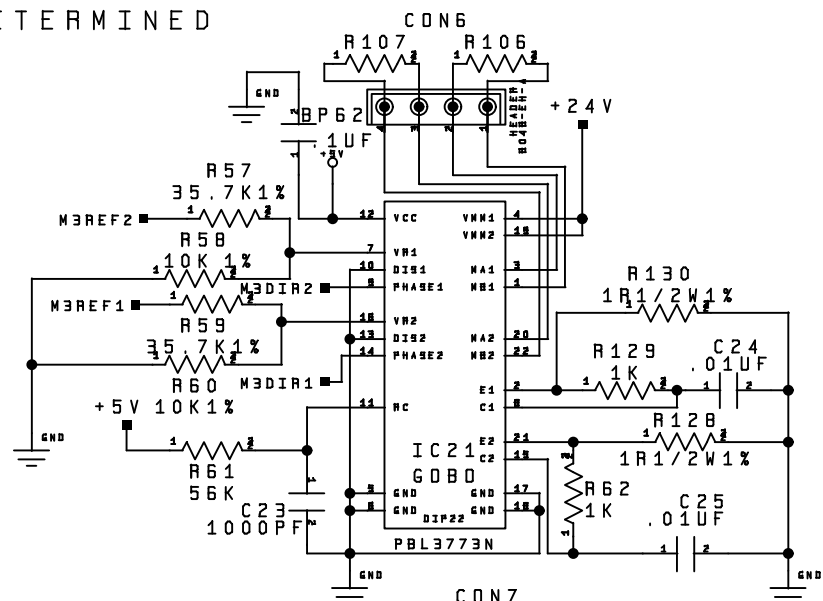
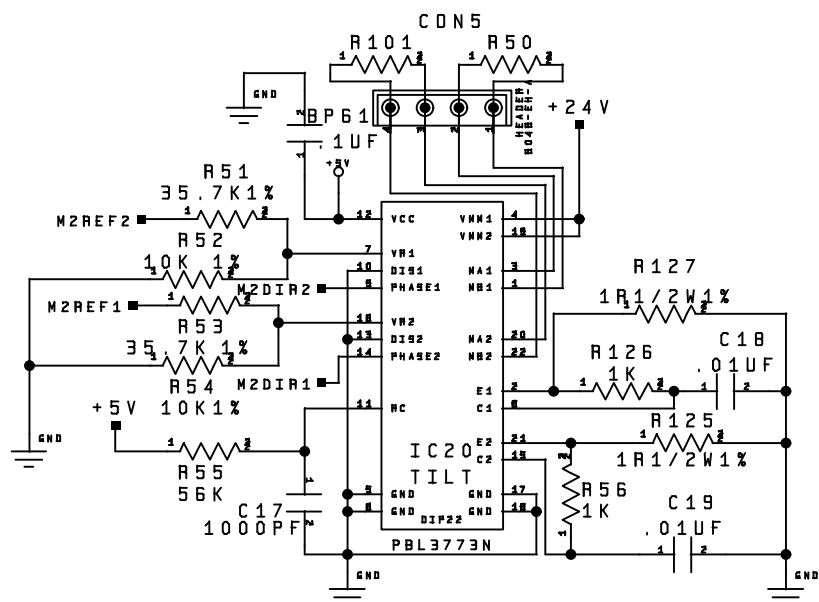
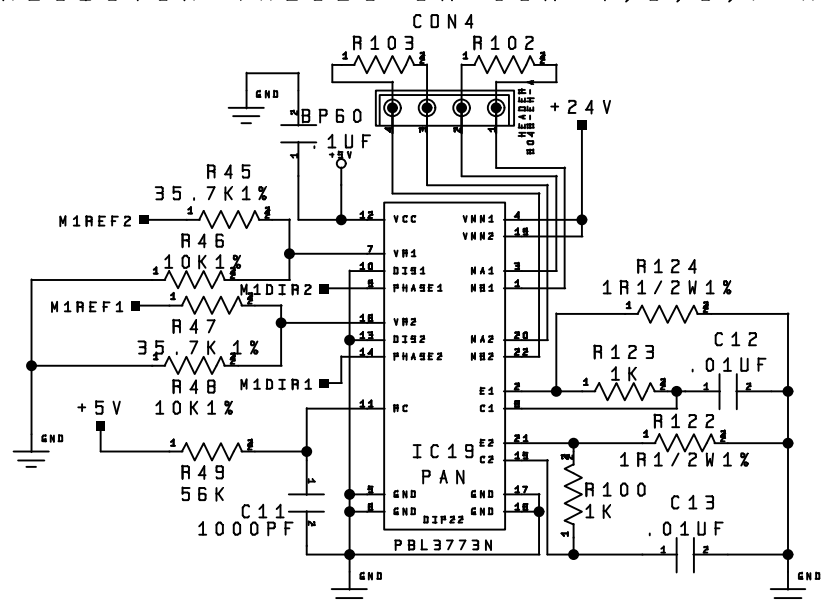
Size A2

Date 3-21-1997-10:36

Page 9 of 12



RESISTOR VALUES ON CON 4,5,6,7 ARE TO BE DETERMINED



HIGH END SYSTEMS INC.

Title: INTELLABEAM LOGIC BOARD  
CPU-MAIN

Function: MOTOR DRIVERS 081R41

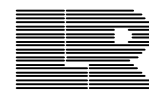
Drawing No.  
SCH-99030081

REV.  
4.1

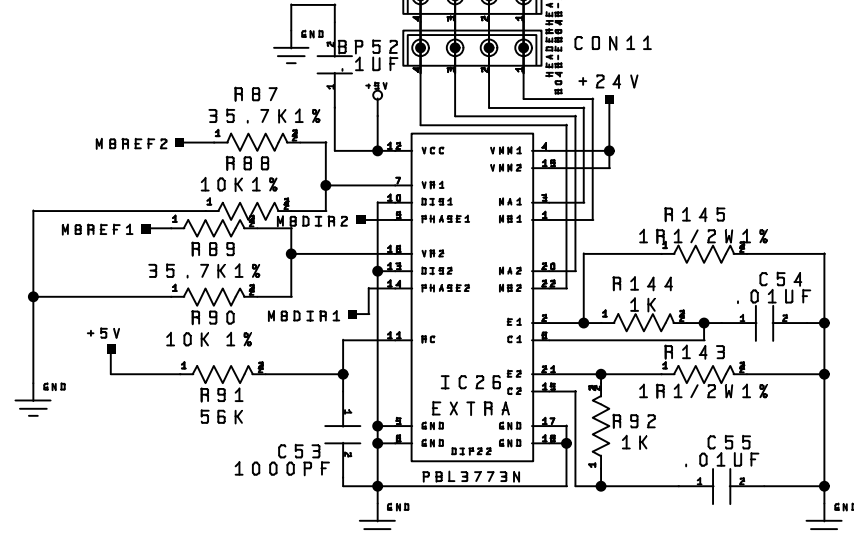
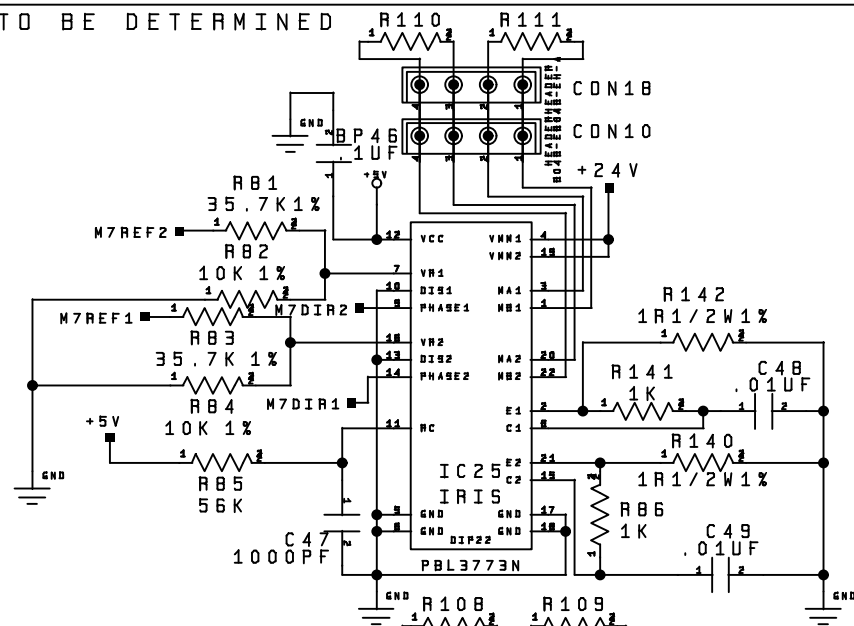
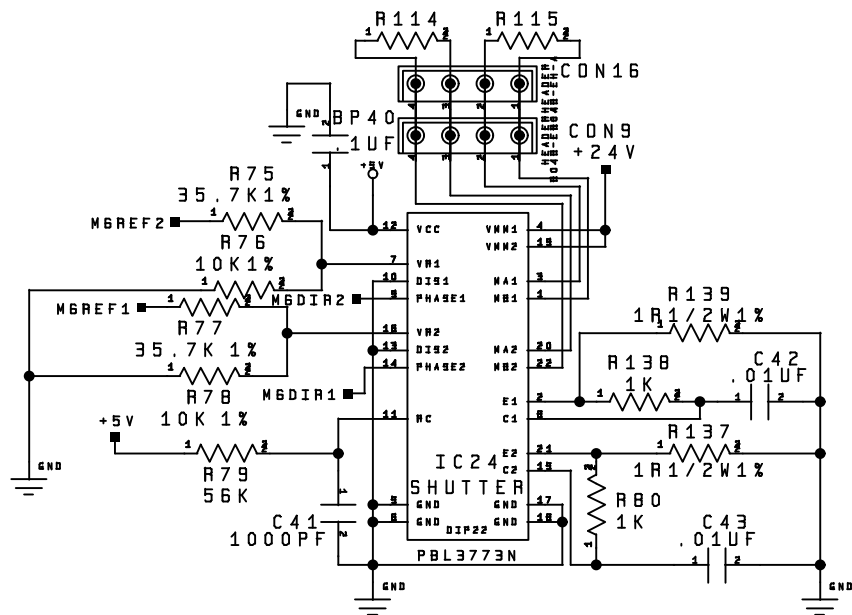
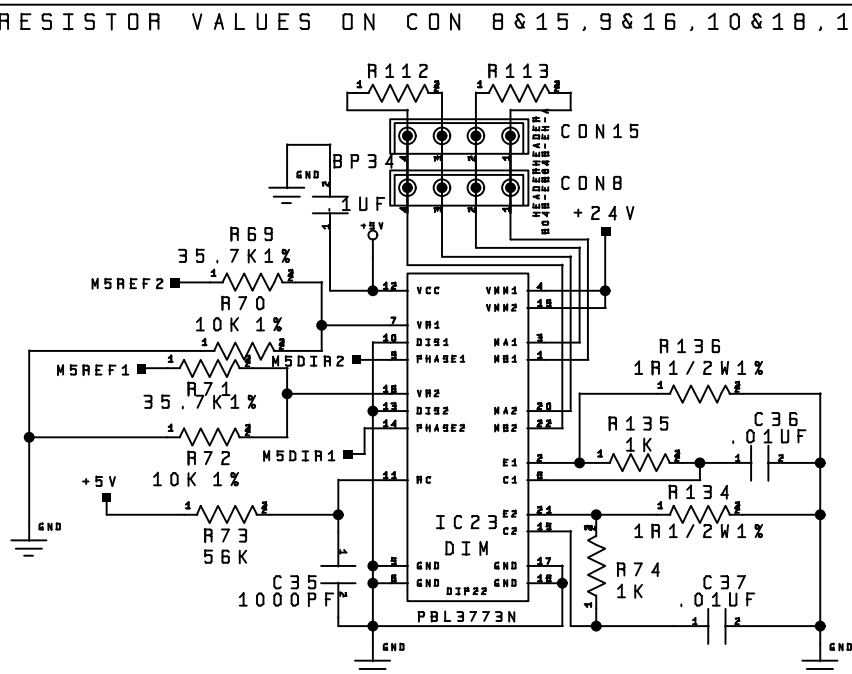
Size A2

Date 3-21-1997-10:36

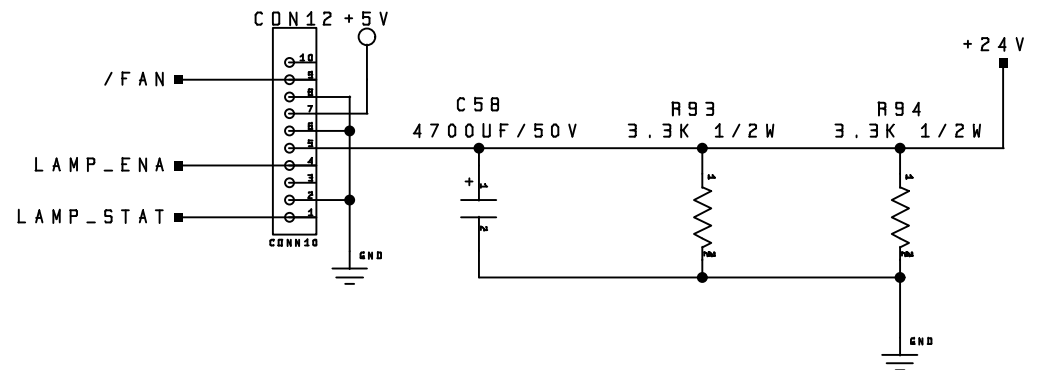
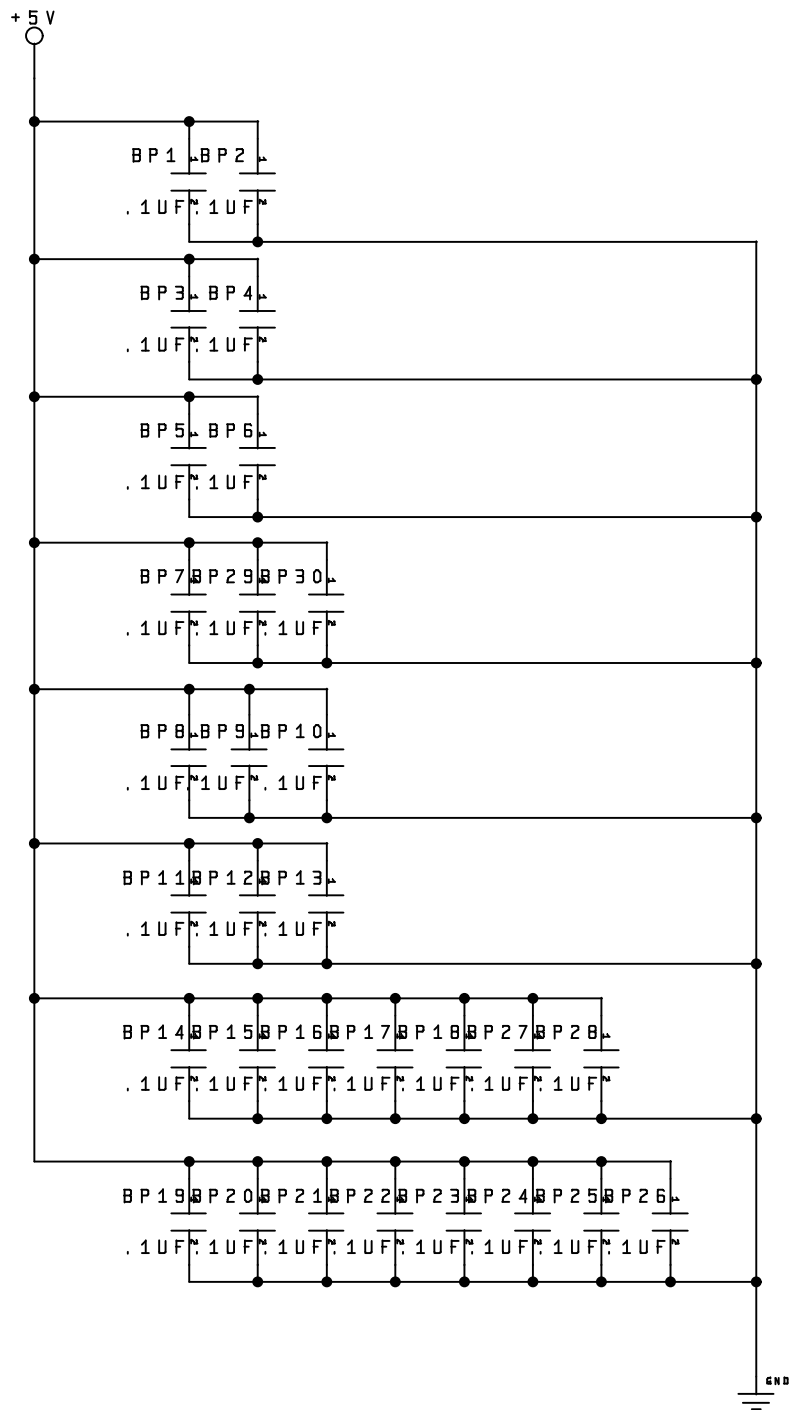
Page 10 of 12



RESISTOR VALUES ON CON 8&15,9&16,10&18,11&17 ARE TO BE DETERMINED



|                                            |             |         |                                                                                       |
|--------------------------------------------|-------------|---------|---------------------------------------------------------------------------------------|
| HIGH END SYSTEMS INC.                      |             |         |                                                                                       |
| Title: INTELLABEAM LOGIC BOARD<br>CPU-MAIN |             |         |  |
| Function: MOTOR DRIVERS 081R41             |             |         |                                                                                       |
| Drawing No.<br>SCH-99030081                | REV.<br>4.1 | Size A2 | Date 3-21-1997-10-37<br>Page 11 of 12                                                 |



HIGH END SYSTEMS INC.

Title: INTELLABEAM LOGIC BOARD  
CPU-MAIN

Function: BYPASS CAPS/CONN12 PINOUTS 081R41

Drawing No.  
SCH-99030081

REV.  
4.1

Size A2

Date 3-21-1997-10:37  
Page 12 of 12

