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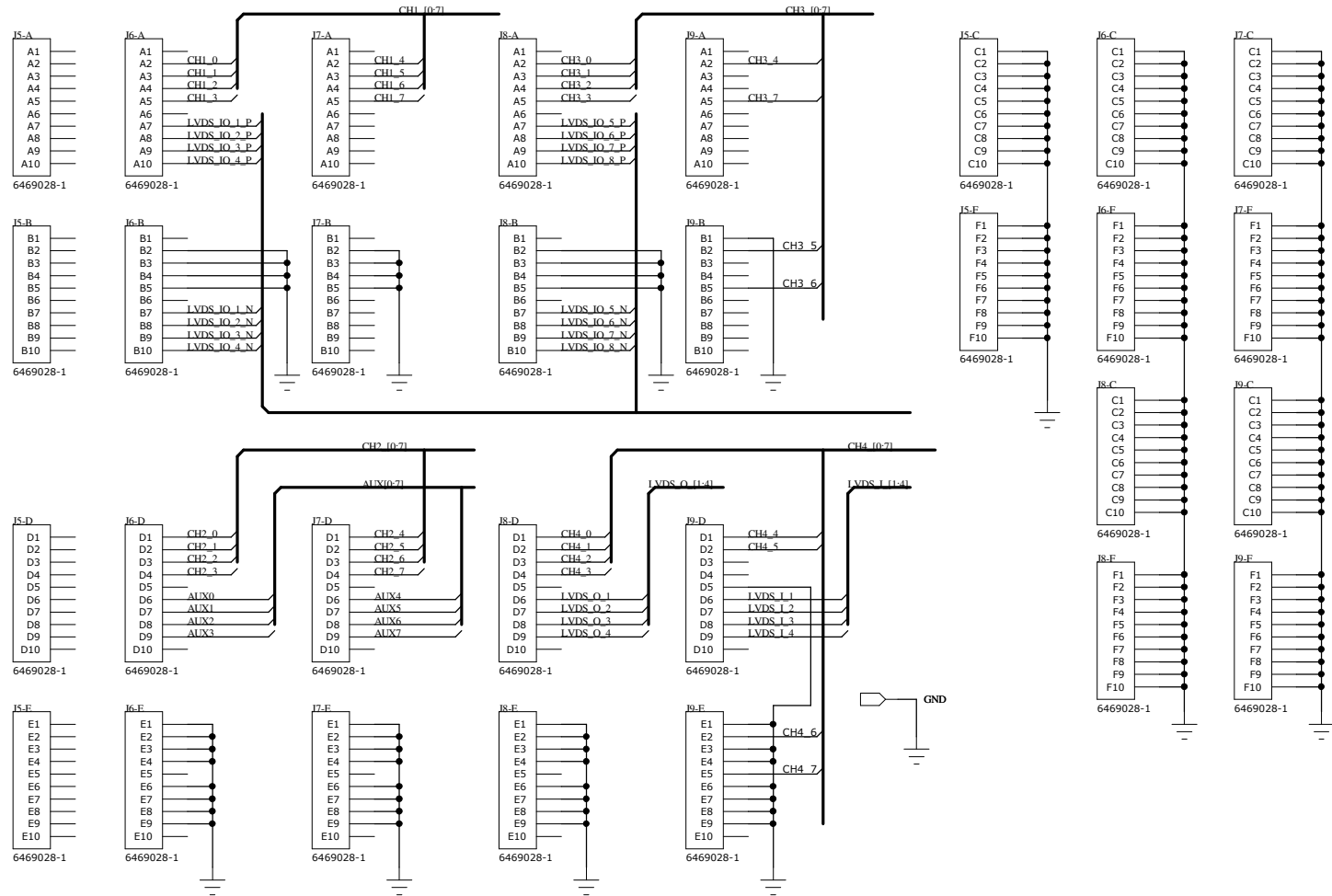
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LT-EL-XF-BL-GEN-0101-03

REVISION HISTORY

| REV | DESCRIPTION                  | DATE     | DESIGNER  | CHECKED BY | ENGINEER  |
|-----|------------------------------|----------|-----------|------------|-----------|
| 1   | PRELIMINARY RELEASE          | 06/20/13 | M.PFEFFER | R.KADYROV  | R.KADYROV |
| 2   | REVISED PER MARKUP           | 05/27/15 | M.PFEFFER | R.KADYROV  | R.KADYROV |
| 3   | REVISED AND REDRAWN          | 02/21/17 | M.PFEFFER | R.KADYROV  | R.KADYROV |
| 4   | CORRECTED U39 -U40 PIN NAMES | 04/06/18 | M.PFEFFER | J.LI       | J.LI      |



NOTES: UNLESS OTHERWISE SPECIFIED

1. FOR COMPONENT VALUES AND PART NUMBERS SEE PARTS LIST.
2. INSPECTION CRITERIA FOR ACCEPTANCE OF PRINTED CIRCUIT ASSEMBLY TO BE IAW IPC-A-610, CLASS 2 AND J-STD-001A, CLASS 2, UNLESS OTHERWISE NOTED ON THIS DRAWING.

SEE SEPARATE PARTS LIST

UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE IN INCHES  
DIMENSIONS IN BRACKETS [XX.XX] (WHERE PRESENT)  
ARE MILLIMETERS AND ARE FOR REFERENCE ONLY  
INTERPRET DRAWING AS PER ANSI Y14.5-1994 OR Y32.2-1995

DIMENSIONAL TOLERANCES

X. = +/- 0.060  
.X = +/- 0.030  
.XX = +/- 0.015  
.XXX = +/- 0.005

ANGULAR TOLERANCE

± .5°

FINISH 125

BREAK EDGES & SHARP CORNERS 0.005 MIN. TO 0.030 MAX

|                     |            |          |
|---------------------|------------|----------|
| DRAWN BY            | M.PFEFFER  | 11/04/14 |
| CHECKED BY          | R.KADYROV  | 11/04/14 |
| VACUUM APPROVAL     |            |          |
| ENGINEER APPROVAL   | R.KADYROV  | 11/04/14 |
| SUPERVISOR APPROVAL | J.DE LONG  | 11/04/14 |
| ES&H APPROVAL       | B.LEE      | XX/XX/14 |
| QA APPROVAL         | E.CHEZWICK | XX/XX/14 |



SCHEMATIC DIAGRAM

NSLS-II ENCODER INTERFACE

LT-EL-XF-BL-GEN-0101-03

4

ESH&Q A2  
RISK LEVEL

SHEET 1 OF 6

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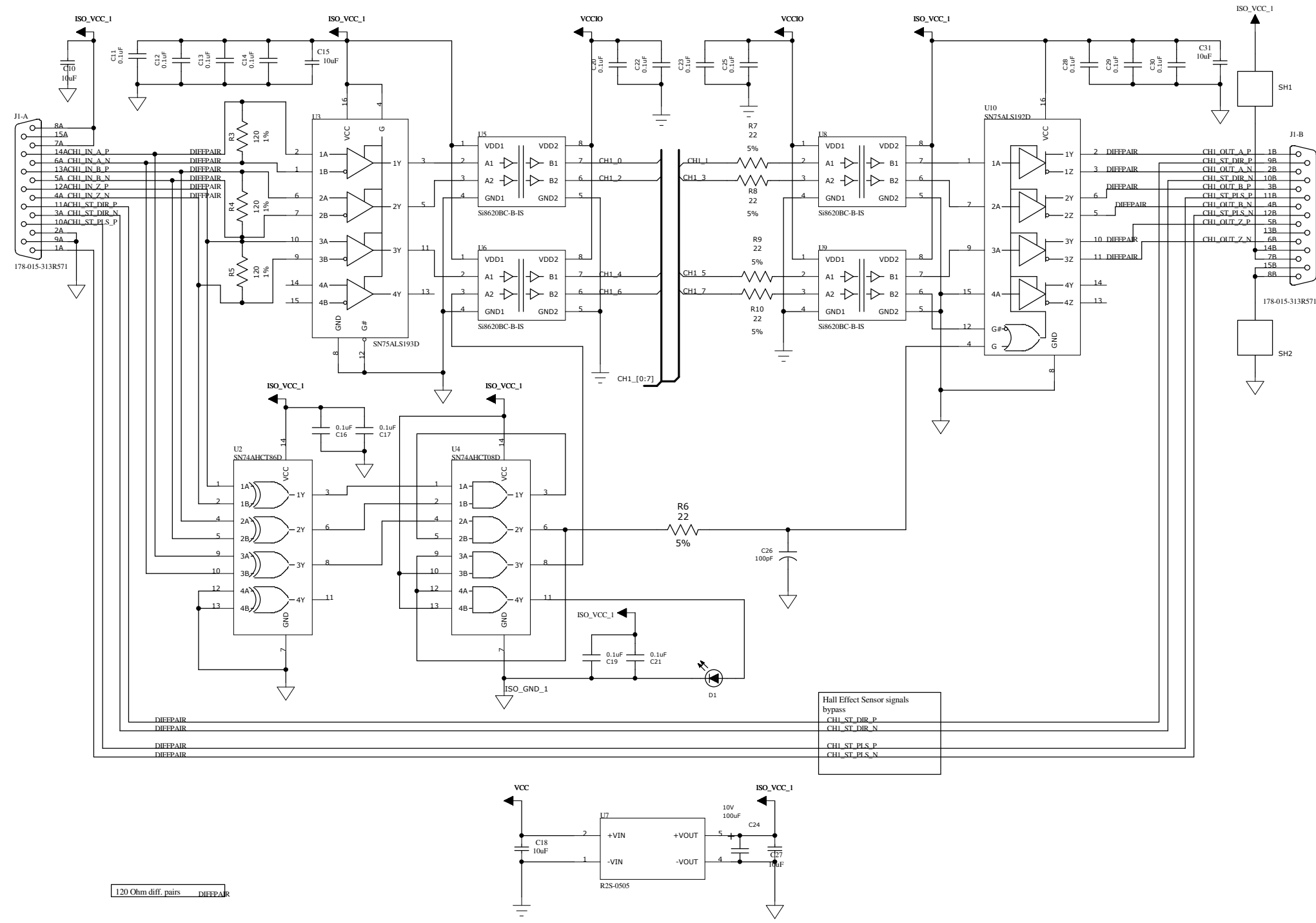
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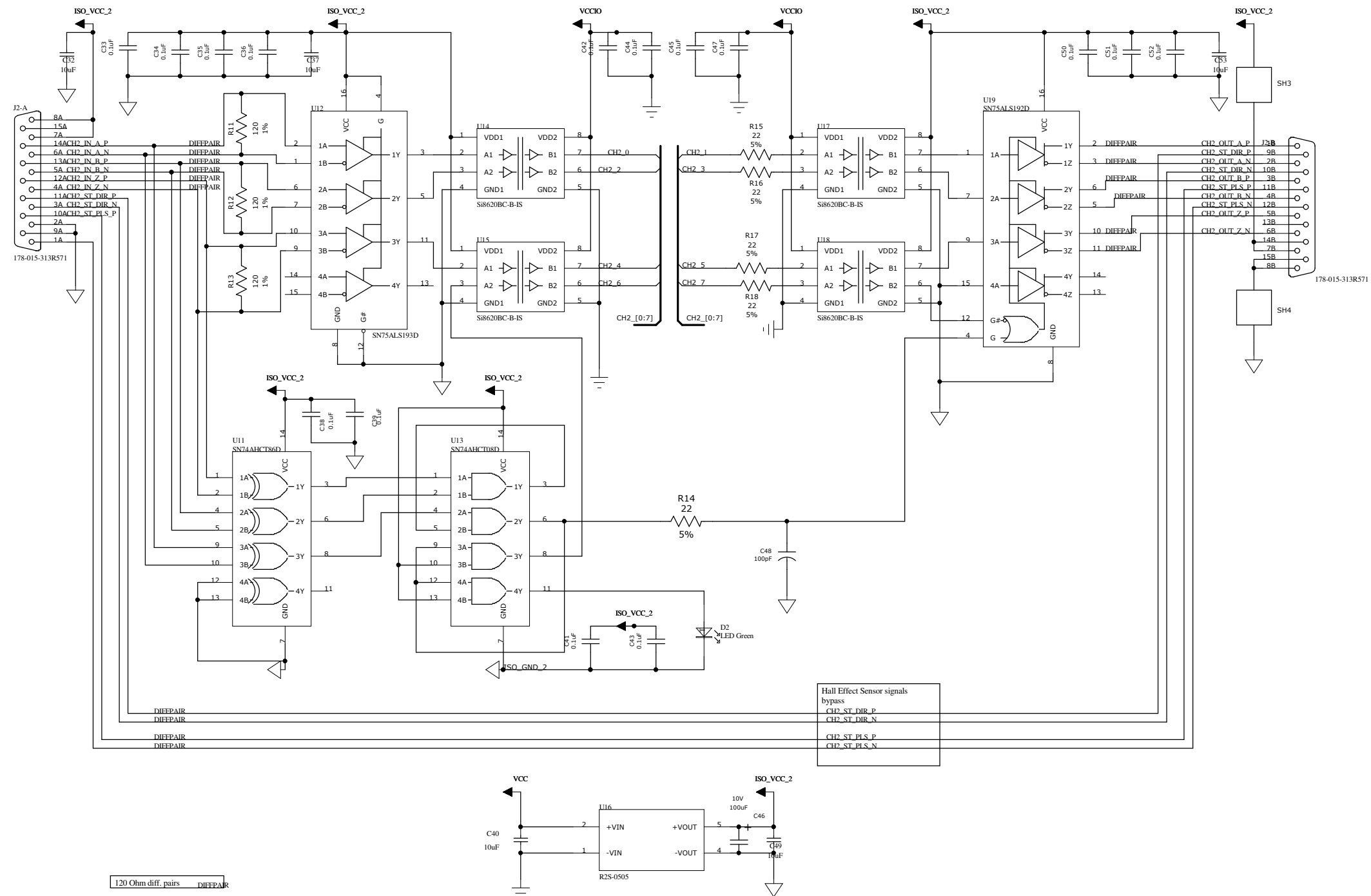
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LT-EL-XF-BL-GEN-0101-03



LT-EL-XF-BL-GEN-0101-03

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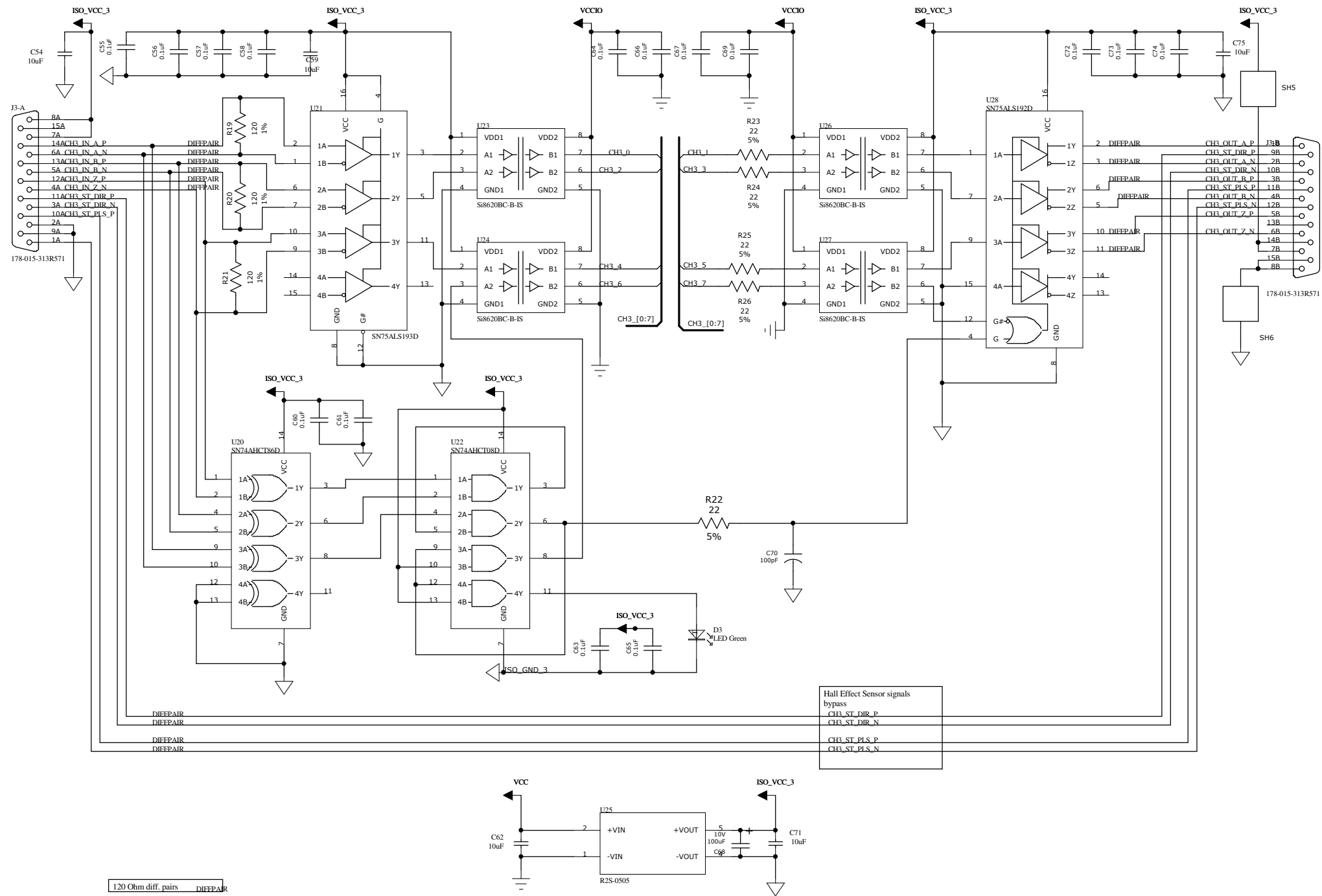
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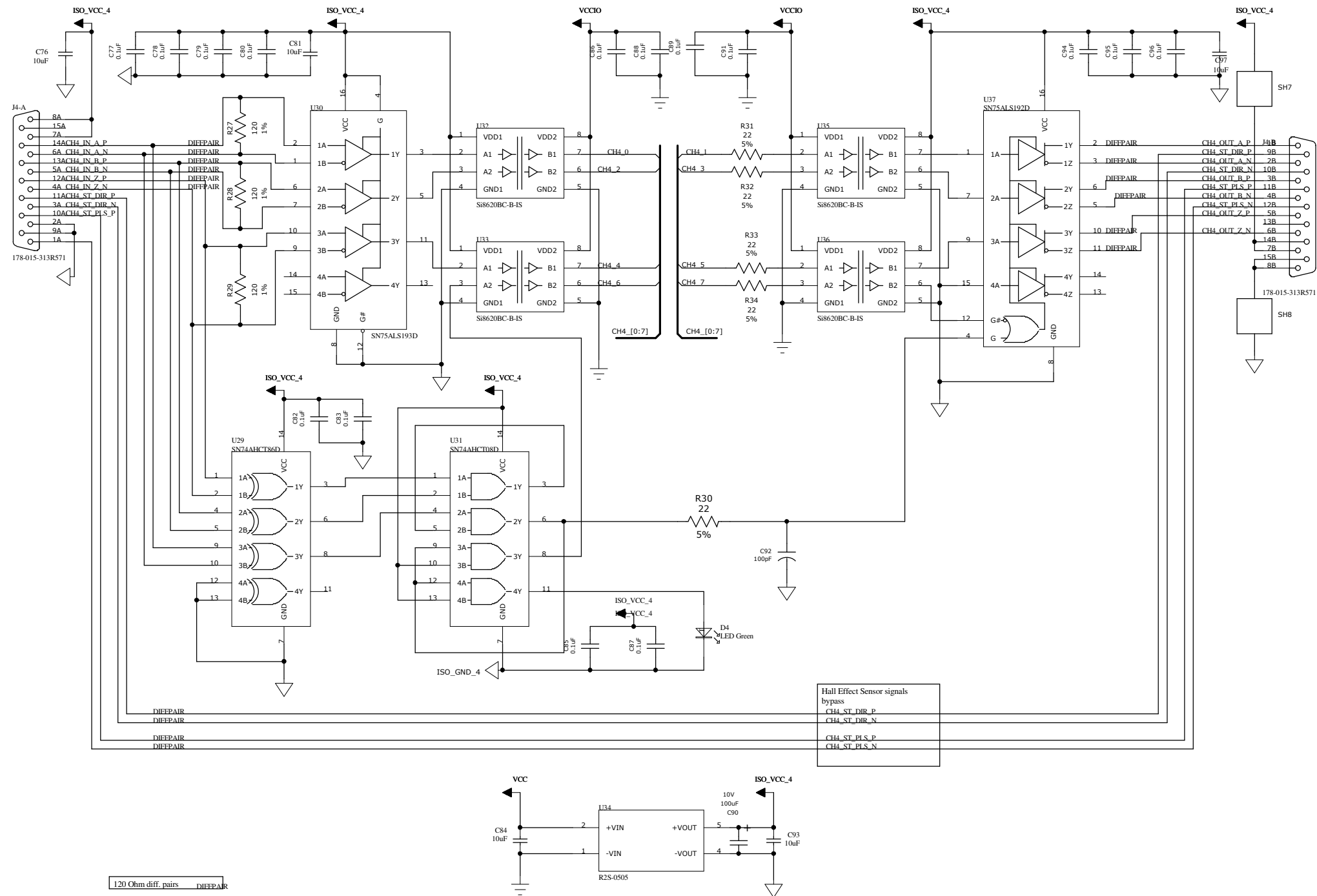
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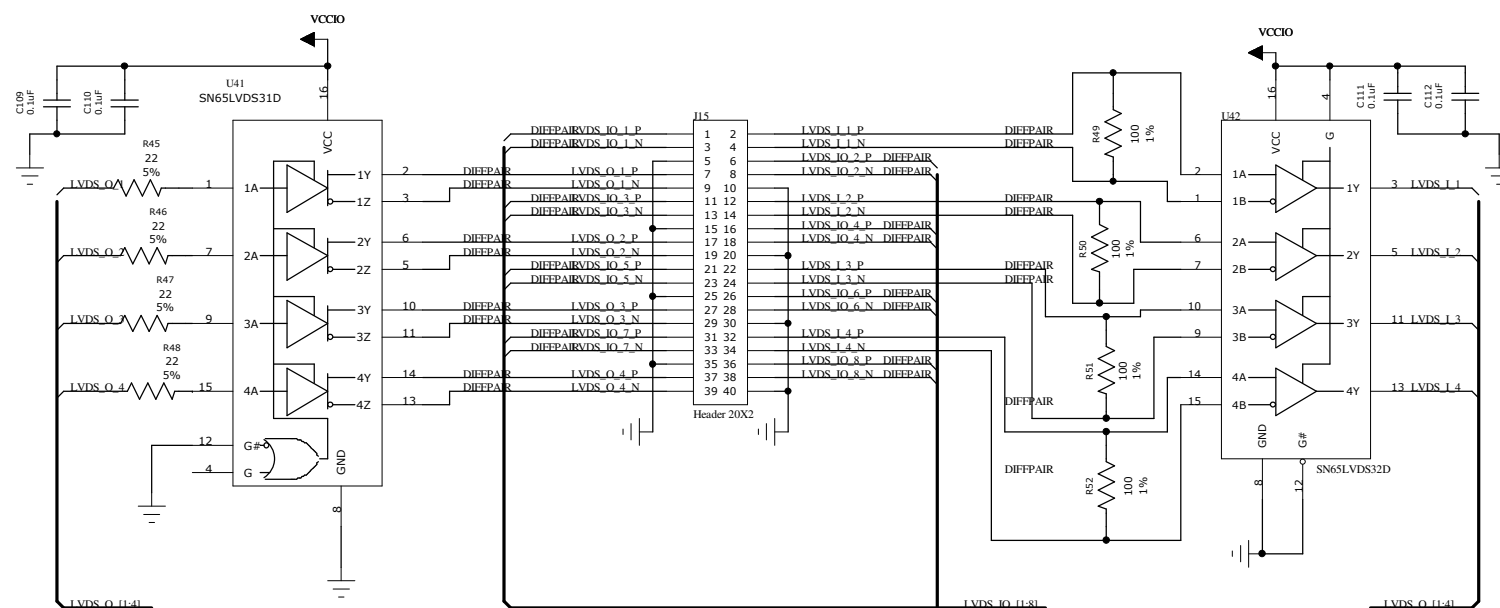
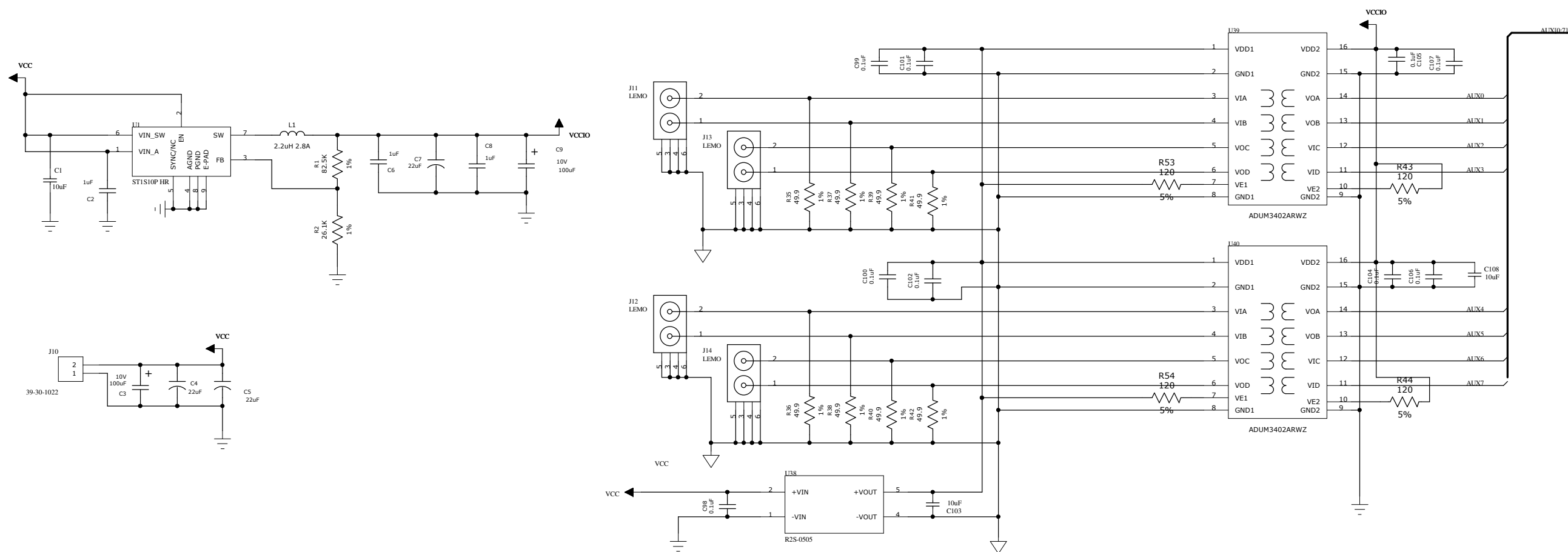
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LT-EL-XF-BL-GEN-0101-03

|            |                         |              |
|------------|-------------------------|--------------|
| C          | LT-EL-XF-BL-GEN-0101-03 | 4            |
| SHEET SIZE | DRAWING/PART NUMBER     | REVISION     |
| ESH&Q A2   |                         |              |
| RISK LEVEL |                         | SHEET 4 OF 6 |





100 Ohm diff. pairs DIFFPAIR

LT-EL-XF-BL-GEN-0101-03

|                        |                         |  |              |
|------------------------|-------------------------|--|--------------|
| C                      | LT-EL-XF-BL-GEN-0101-03 |  | 4            |
| SHEET SIZE             | DRAWING/PART NUMBER     |  | REVISION     |
| ESH&Q A2<br>RISK LEVEL |                         |  | SHEET 6 OF 6 |