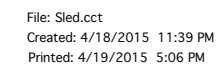


| | | | | | | | | | | | | | |
|------------|---------------------|---|---|---|---|---|---|---|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 2000-SLED- | Ready for Prototype | | | | | | | | | | | | |
| A | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | |
| G | | | | | | | | | | | | | |
| H | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

File: Sled.cct
Created: 4/18/2015 11:39 PM
Printed: 4/19/2015 5:06 PM

| | | | |
|--|--|---------------------|--|
| Design Revision: 1.0 | | Drawing Revision: A | |
| | | | |
| Copyright 2003-2007, all rights reserved | | | |
| TITLE: Telemega Sled | | | |
| Document Number: 2000-SLED- | | Rev: 1.0 | |
| Date: Modified: 4/19/2015 12:08 PM | | Sheet: 2 of 4 | |

Ready for Prototype

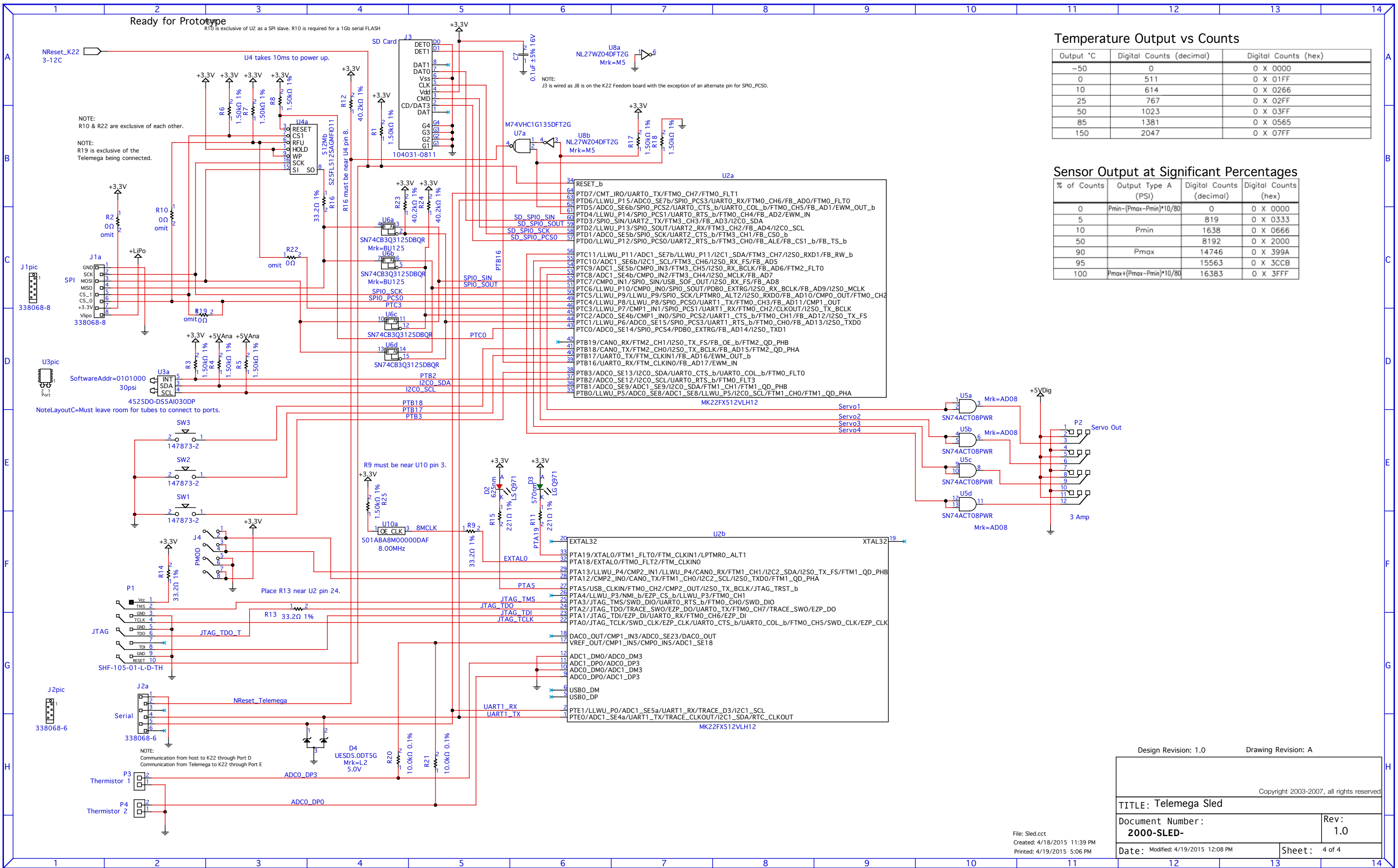


Drawing Revision: A

Sheet: 3 of 4

Ready for Prototype

R10 is exclusive of U2 as a SPI slave. R10 is required for a 1Gb serial FLASH



Temperature Output vs Counts

| Output °C | Digital Counts (decimal) | Digital Counts (hex) |
|-----------|--------------------------|----------------------|
| -50 | 0 | 0 X 0000 |
| 0 | 511 | 0 X 01FF |
| 10 | 614 | 0 X 0266 |
| 25 | 767 | 0 X 02FF |
| 50 | 1023 | 0 X 03FF |
| 85 | 1381 | 0 X 0565 |
| 150 | 2047 | 0 X 07FF |

Sensor Output at Significant Percentages

| % of Counts | Output Type A (PSI) | Digital Counts (decimal) | Digital Counts (hex) |
|-------------|---|--------------------------|----------------------|
| 0 | $P_{min} - (P_{max} - P_{min}) * 10 / 80$ | 0 | 0 X 0000 |
| 5 | | 819 | 0 X 0333 |
| 10 | P_{min} | 1638 | 0 X 0666 |
| 50 | | 8192 | 0 X 2000 |
| 90 | P_{max} | 14746 | 0 X 399A |
| 95 | | 15563 | 0 X 3CCB |
| 100 | $P_{max} + (P_{max} - P_{min}) * 10 / 80$ | 16383 | 0 X 3FFF |