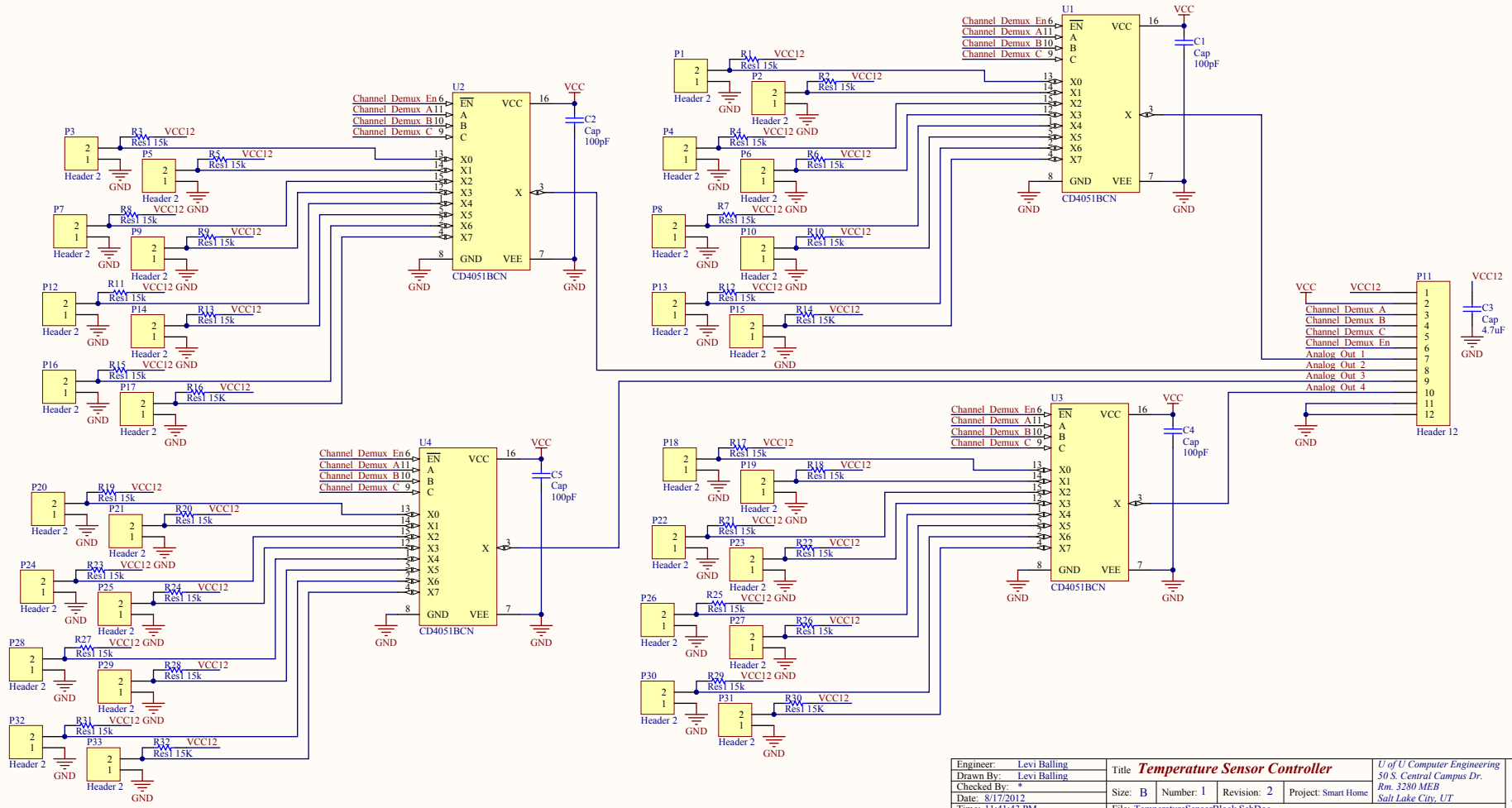


Temperature Sensor Controller

This system uses 10k thermistors that will be measured on the teensy analog input



| | | | | | | |
|------------------------|---|--|--|-----------------------------|--|--|
| Engineer: Levi Balling | Title: Temperature Sensor Controller | | | U of U Computer Engineering | | Smart Home  |
| Drawn By: Levi Balling | | | | 50 S. Central Campus Dr. | | |
| Checked By: * | | | | Rm. 3280 MEB | | |
| Date: 8/17/2012 | | | | Salt Lake City, UT | | |
| Time: 11:41:43 PM | | | | | | |
| Sheet 10 of 13 | File: TemperatureSensorBlock SchDoc | | | | | |
| | Website: www.eng.utah.edu/~lbaling/SmartHome | | | | | |

Bill of Materials

Temperature Sensor Controller

| | |
|-------------------|-------------------------------|
| Source Data From: | TemperatureSensorBlock.PrjPCB |
| Project: | TemperatureSensorBlock.PrjPCB |
| Variant: | None |

| | | |
|----------------|-----------|-------------|
| Creation Date: | 8/17/2012 | 11:41:47 PM |
| Print Date: | 17-Aug-12 | 11:41:50 PM |
| | | |

| Footprint | Comment | LibRef | Designator | Description | Quantity |
|----------------------|-------------------|-------------------|---|---|----------|
| RAD-0.3 HDR1X2 | Cap Header 2 | Cap Header 2 | C1, C2, C3, C4, C5 | Capacitor | 5 |
| | | | P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33 | Header, 2-Pin | 32 |
| HDR1X12 AXIAL-0.3 | Header 12 Res1 | Header 12 Res1 | P11 | Header, 12-Pin | 1 |
| | | | R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32 | Resistor | 32 |
| N16E | CD4051BCN | CD4051BCN | U1, U2, U3, U4 | 8-Channel Analog Multiplexer/Demultiplexer | 4 |
| | | | | | 74 |

| Approved | Notes |
|----------|-------|
| | |
| | |
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