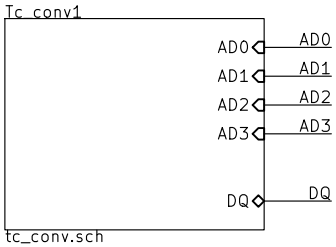
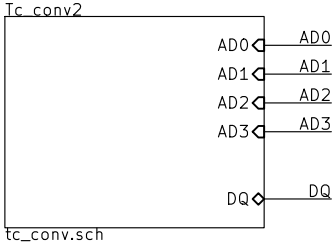
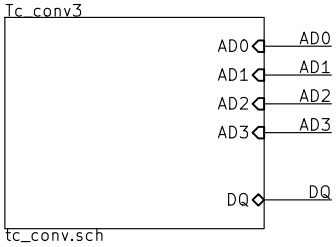
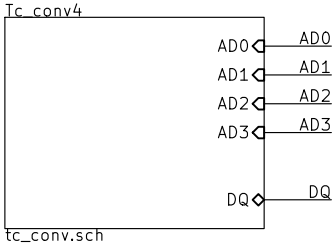
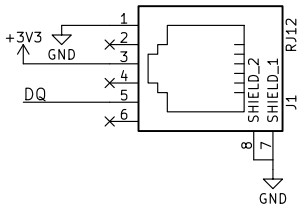
Only power with +3V3. Chips are NOT 5V tolerant



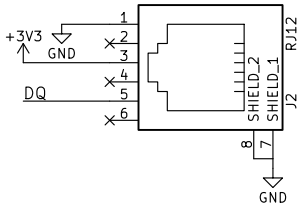


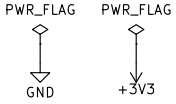






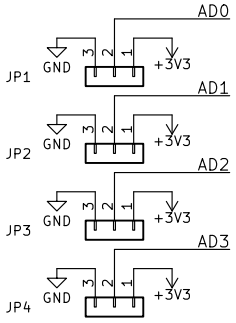
RJ12 pinout
1: GND
3: Vcc
5: DQ





Choose location info (16 choices) with jumpers.

Layout the jumpers in this order (JP4 JP3 JP2 JP1)
to get a direct readout of the binary location address

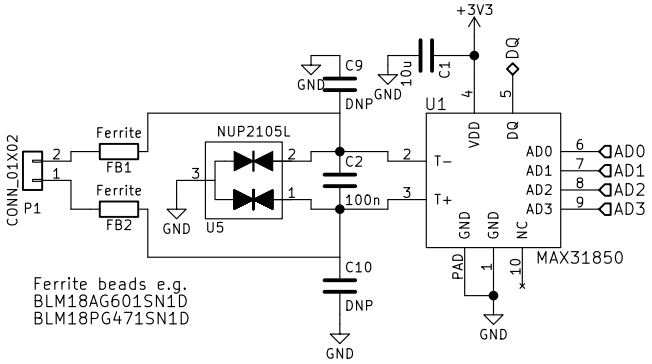


LUH/VLBAI/EW

Sheet: /
File: thermocouple_chain.sch

Title: Digital thermocouple chain

Size: A4	Date: 2018-02-11	**Rev: 1.1**
KiCad E.D.A. kicad 4.0.7		Id: 1/5

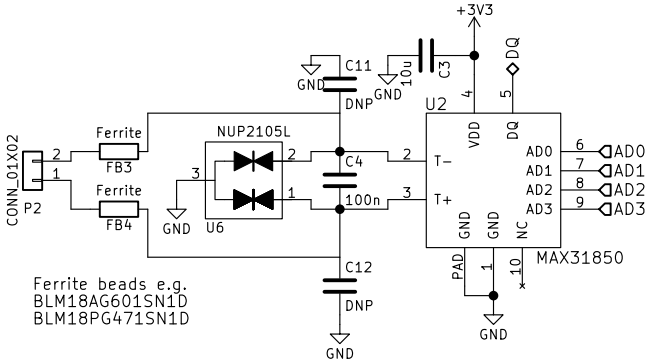


LUH/VLBAI/EW

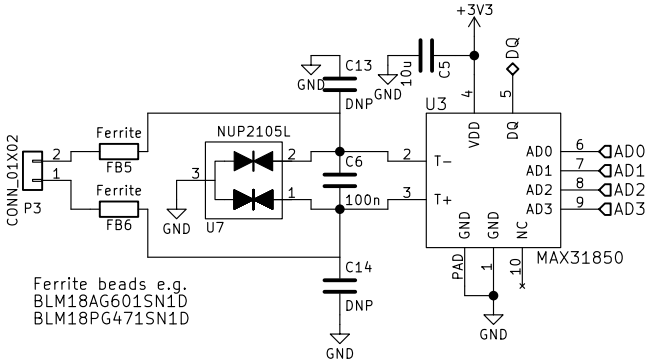
Sheet: /Tc_conv1/
File: tc_conv.sch

Title: Digital thermocouple chain

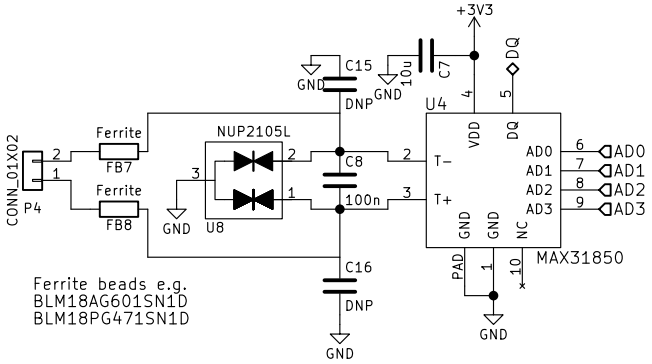
Size: A4	Date: 2018-02-11	**Rev: 1.1**
KiCad E.D.A. kicad 4.0.7		Id: 2/5



LUH/VLBAI/EW		
Sheet: /Tc_conv2/ File: tc_conv.sch		
Title: Digital thermocouple chain		
Size: A4	Date: 2018-02-11	**Rev: 1.1**
KiCad E.D.A. kicad 4.0.7		Id: 3/5



LUH/VLBAI/EW		
Sheet: /Tc_conv3/ File: tc_conv.sch		
Title: Digital thermocouple chain		
Size: A4	Date: 2018-02-11	**Rev: 1.1**
KiCad E.D.A. kicad 4.0.7		Id: 4/5



LUH/VLBAI/EW		
Sheet: /Tc_conv4/ File: tc_conv.sch		
Title: Digital thermocouple chain		
Size: A4	Date: 2018-02-11	**Rev: 1.1**
KiCad E.D.A. kicad 4.0.7		Id: 5/5