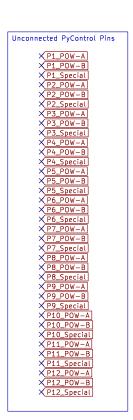
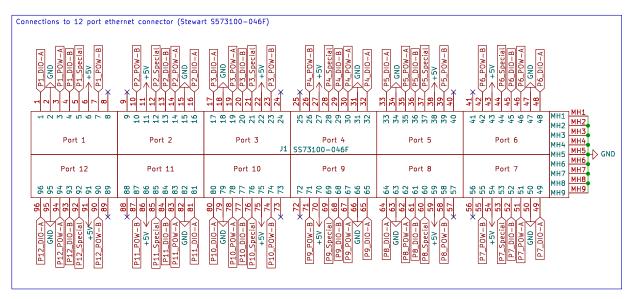
Arduino Uno V3.x ATMEGA328 Connections +5V 3V3 +5V J2 J3 DO/RX RESET Conn_01x02_Female 3 2 Conn_01x03_Female D1/TX RESET P1_DIO-A D2 P2_DIO-A P3_DIO-A D3 Jumpers to switch channels of LDRs AREF Default setting: LDRs on channels 1-8 P4_DIO-A D5 D6 P5_DIO-A P6_DIO-A D7 D8 A1 A2 SolderJumper_3_Bridged12 11 3 P9_DIO-B P7_DIO-A P8_DIO-A 12 D9 АЗ 13 D10 14 D11 P9_DIO-A P10_DIO-A A4 JP2 SolderJumper_3_Bridged12 A5 15 D12 16 D13 A6 910_DIO-B Α7 2_DIO-A QND GND P6_DIO-B JP3 **-**[8] Arduino_Nano_v3.x A1 SolderJumper_3_Bridged12 911_DIO-B GND P7_DIO-B JP4
SolderJumper_3_Bridged12 912_DIO-B PIR Sensing is via DIO-A lines. LDR Sensing is via DIO-B lines. P8_DIO-B





Adapted from Brown LA, Hasan S, Foster RG, Peirson SN. COMPASS: Continuous Open Mouse Phenotyping of Activity and Sleep Status. Wellcome Open Res. 2016 Nov 15;1:2. doi: 10.12688/wellcomeopenres.9892.2. Adapted by: Daniel Titheradge

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Sheet:1/1
File: PIR InterfaceBoard.kicad_sch

Title: PIR Interface Board		
Size: A4	Date: 28/06/2024	Rev: 1.0
KiCad E.D.A. 8.0.4		ld: 1/1