

TITLE: Main

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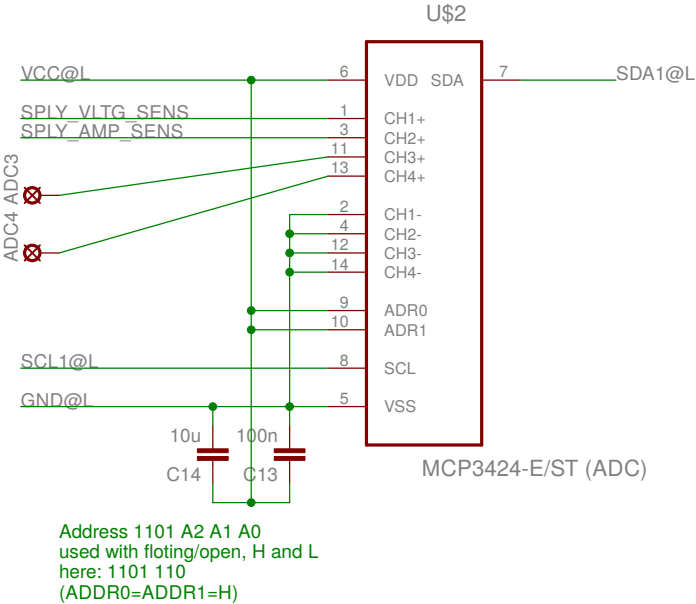
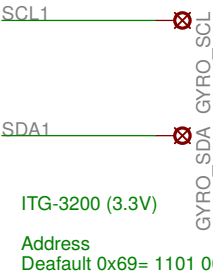
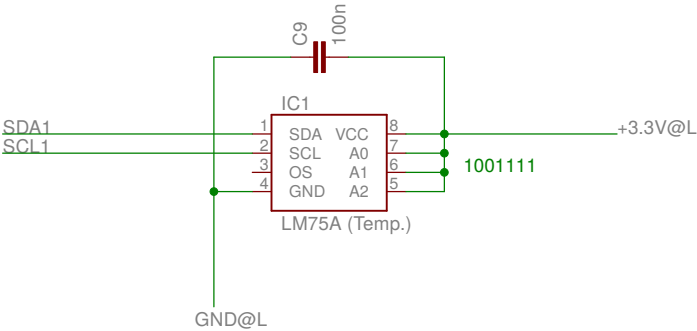
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pull-up resistors for I2C already in the RPI

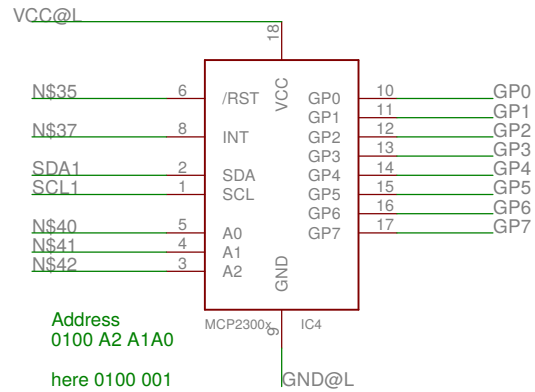
The four most significant bits of the slave address are hard wired inside the LM75 and are “1001”. The three least significant bits of the address are assigned to pins A2 –A0, and are set by connecting these pins to ground for a low, (0); or to aVS for a high, (1).



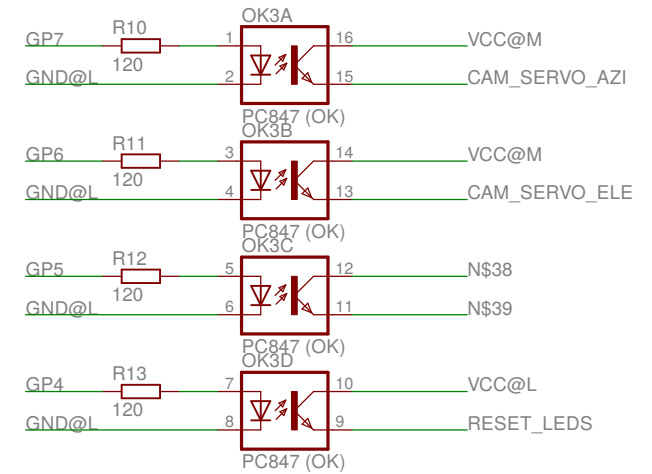
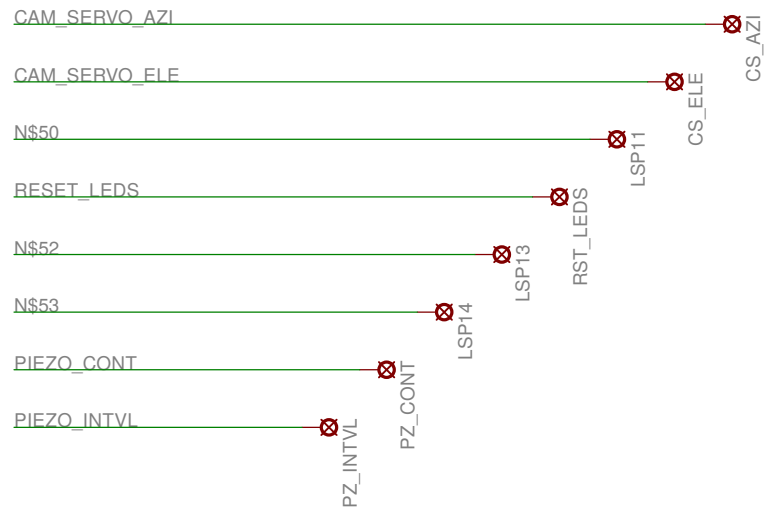
Address 1101 A2 A1 A0  
used with floting/open, H and L  
here: 1101 110  
(ADDR0=ADDR1=H)

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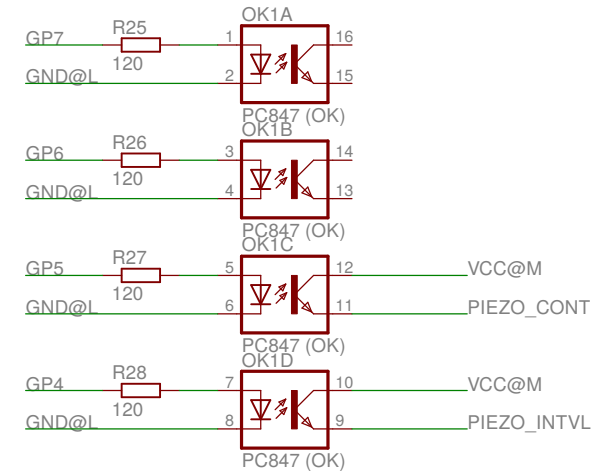
PIEZO: <http://www.reichelt.de/SUMMER-12V-HL/3/index.html?&ACTION=3&LA=446&ARTICLE=14557&artnr=SUMMER+12V+HL&SEARCH=piezo+>



IR LEDs  
IR CAM: Angle of View: 54 x 41 degrees



PC847: Ic\_max=50mA



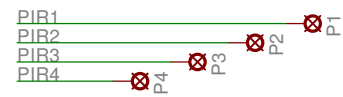
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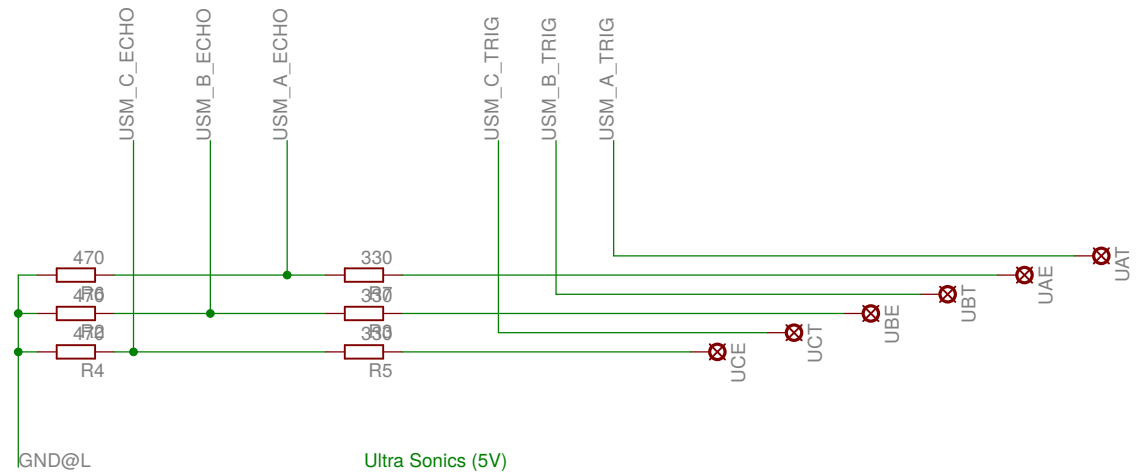
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PIRs (5V)



Ultra Sonics (5V)

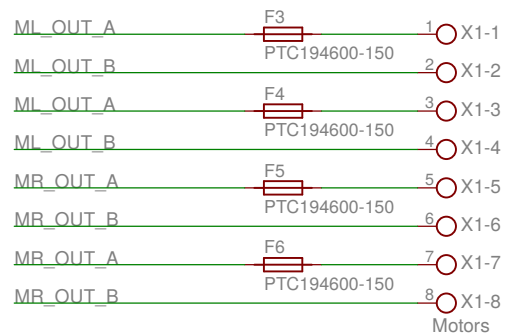
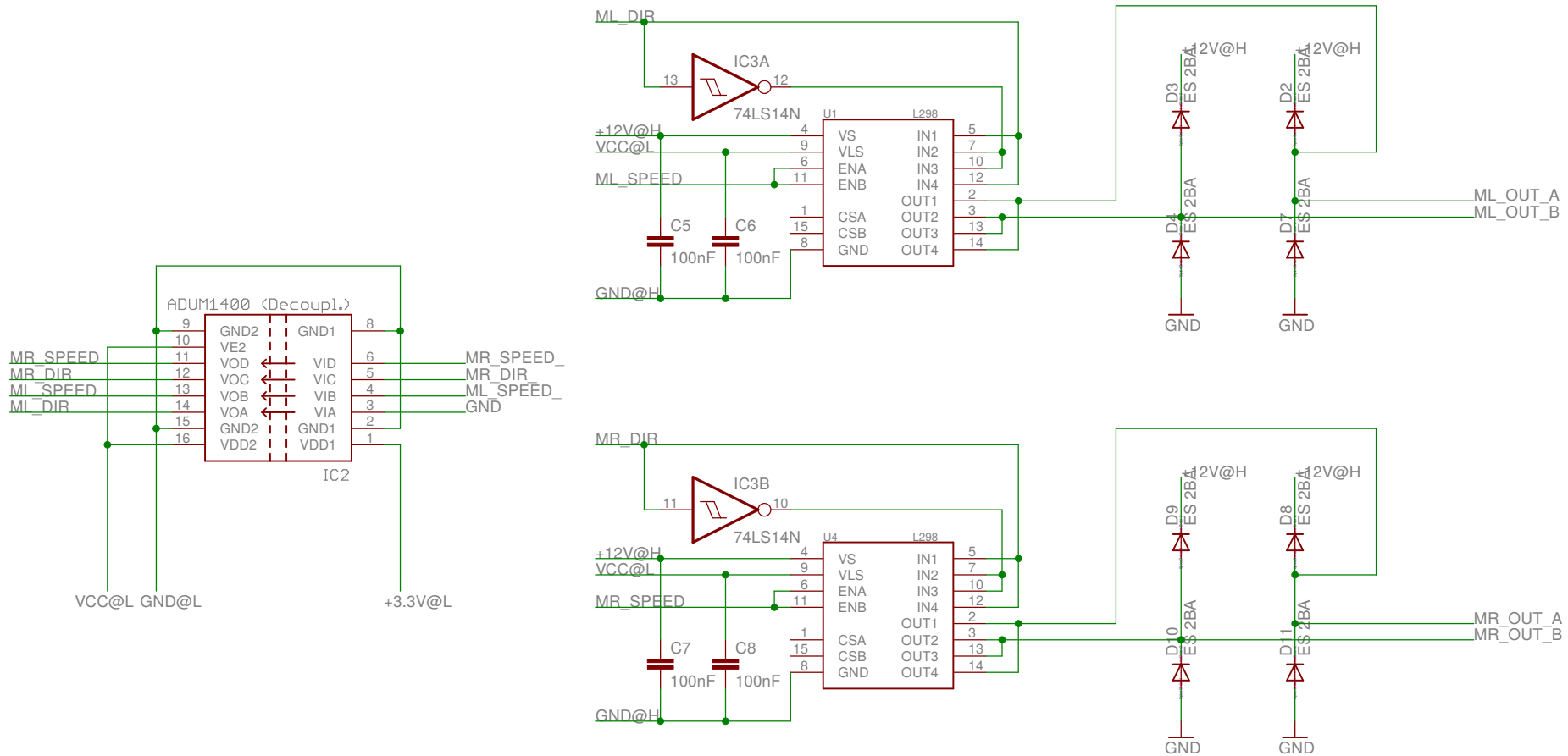
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Output up to 6A, so we need 0.75mm<sup>2</sup> wire

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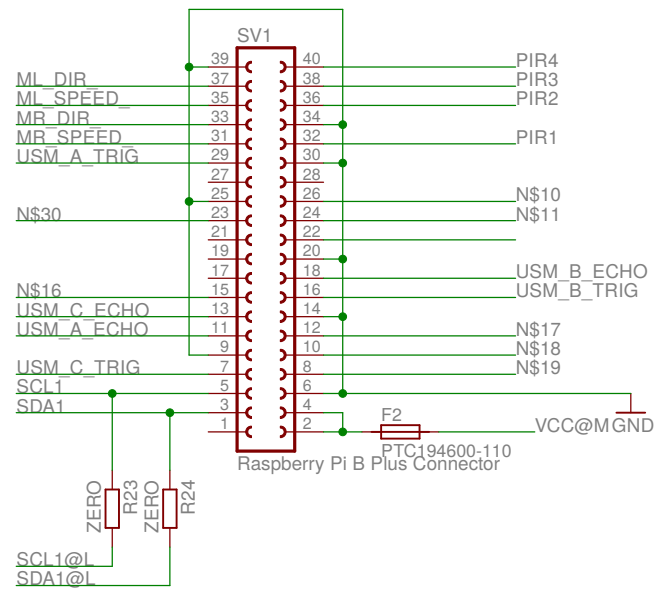
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