8:1 MUX

<https://www.digikey.com/product-detail/en/texas-instruments/CD74HC4051M96/296-14530-1-ND/555578>

3:1 MUX

<https://www.digikey.com/product-detail/en/texas-instruments/TS5A3359DCUR/296-21193-1-ND/1217100>

Hall Effect Sensor

<https://www.digikey.com/product-detail/en/texas-instruments/DRV5053VAQDBZR/296-38460-6-ND/5022242>

Cap

<https://www.digikey.com/product-detail/en/C0603C104J4RACTU/399-1097-1-ND/411372?WT.srch=1&gclid=CjwKEAjwrMzHBRDW3saA88aT80MSJACbvo1TpcrAL354Jg_I648NBuSxxtv5wn49Uqk8L9mDQn7MIxoCog_w_wcB>