Distance sensors:

Currenty considering 2 types of sensors: optical sensor, and true hall effect sensor.

Hall Effect Sensors

Option 1:

<https://www.mouser.co.il/ProductDetail/Texas-Instruments/DRV5056A4QLPGM?qs=vdi0iO8H4N3HlQhha3LvRw%3D%3D>

Option 2:

<https://www.mouser.co.il/ProductDetail/Texas-Instruments/DRV5057A3QLPGM?qs=PqoDHHvF64%252B3cjGIx%2FSbpw%3D%3D>

Optical Distance Sensors:

Option 1:

<https://www.mouser.co.il/ProductDetail/Sharp-Microelectronics/GP2Y0A51SK0F?qs=Qrpqs4v%252BmsahSKJyPt06pw%3D%3D>

Also sold on 4project:

<https://www.4project.co.il/product/sharp-gp2y0a51sk0f-infrared-distance-sensor>