for the photosensors. I'm not sure which parts, i.e. part number used, but the following should work:

- mouse : 875nm IR emitter (SIR-234, Digikey# [1080-1172-ND](http://www.digikey.com/product-detail/en/SIR234/1080-1172-ND/2675663)) and 880nm IR phototransistor (SFH 310 Digikey # [475-1444-ND](http://www.digikey.com/product-detail/en/SFH%20310%20FA-2/3/475-1444-ND/1228087)), 3mm each)

- rat: 940 nm IR emitter (IR204C-A, Digikey # [1080-1077-ND](http://www.digikey.com/product-search/en?mpart=IR204C-A&vendor=1080)) and 940nm phototransistor ( LTR-4206, Digikey # [160-1988-ND](http://www.digikey.com/product-detail/en/LTR-4206/160-1988-ND/214965)), 3mm each