Motor Drivers U3 G2-24v13 **Battery Input** 3.3V Buck 12V Buck-Boost **Hold Switch** Q1 SISS65DN-T1-GE3 Q2 SISS65DN-T1-GE3 SW2 SW_Push U4 G2-24v13 D10 LED D1 LED U6 AGND-PAD SIC467ED GND GND PGND PGND 5k6 R13 R14 100k U5 G2-24v13 GND GND **PCB Connectors** Light Gate Connectors R12 +3.3V GND **Microcontrollers** U1 TEENSY_4_1_MASTER U2 TEENSY_4_1_SLAVE ×5V 3.3V_2 ×VUSB ×VBAT Connectors +3.3V +3.3V × 5 Indicator LEDs GND GND GND (P3)— +3.3V +3.3V (SCK_MASTER GND Niet aan likken a.u.b. Author: Pixeljoch R-SR04_L_CONN Leaphy Sheet: / File: Main_Board.sch Title: Robocup Jr Main PCB Size: A3 Date: KiCad E.D.A. kicad (5.1.12)