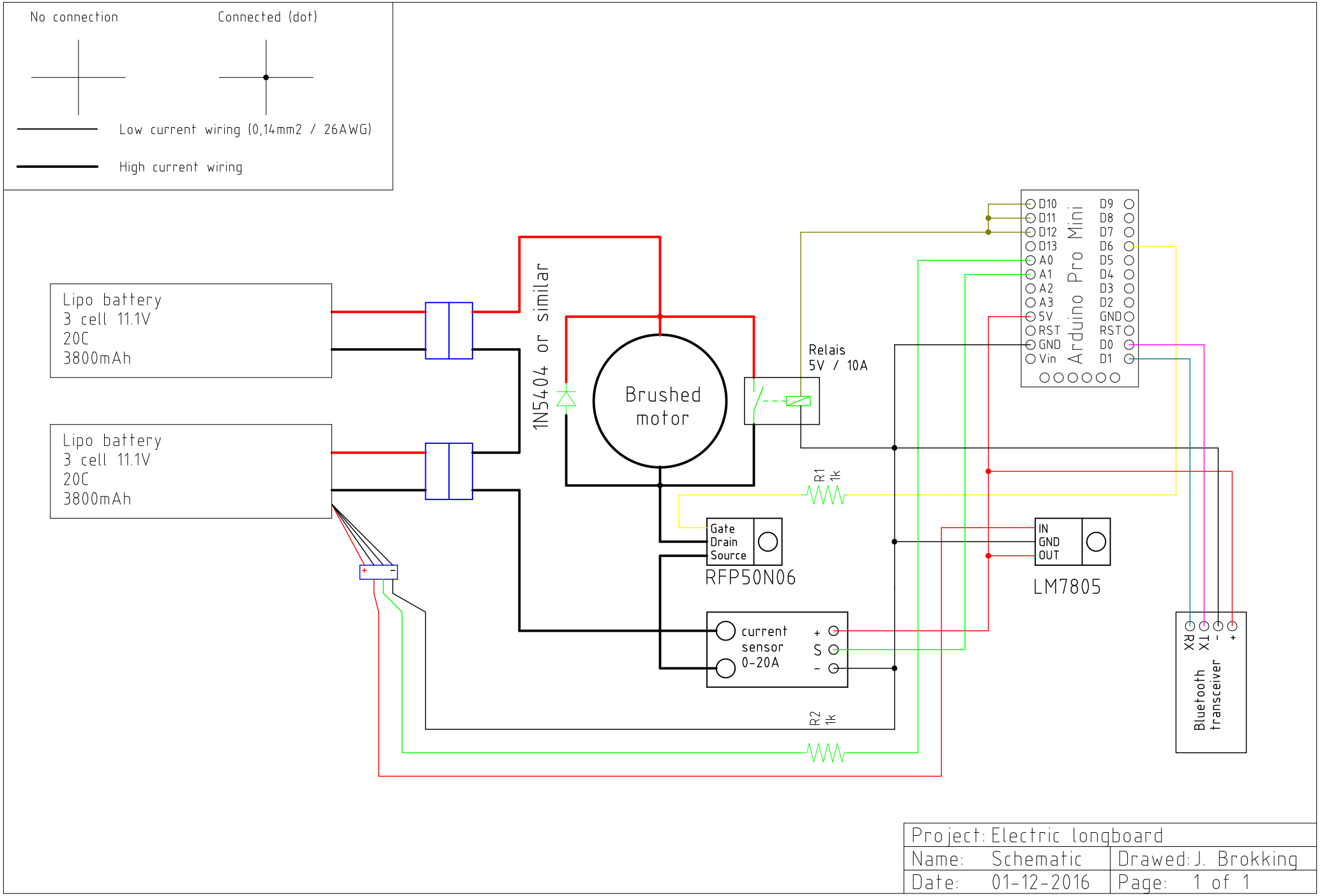

No connection
Connected (dot)
Low current wiring (0,14mm2 / 26AWG)
High current wiring
Lipo battery
3 cell 11.1V
20C
3800mAh
Lipo battery
3 cell 11.1V
20C
3800mAh
1N5404 or similar
Brushed motor
Relais
5V / 10A
R1 1k
R2 1k
Gate
Drain
Source
RFP50N06
current sensor
0-20A
+
S
-
IN
GND
OUT
LM7805
D10
D11
D12
D13
A0
A1
A2
A3
5V
RST
GND
Vin
D9
D8
D7
D6
D5
D4
D3
D2
GND
RST
D0
D1
Arduino Pro Mini
RX
TX
-
+
Bluetooth transceiver
Project: Electric longboard
Name: Schematic
Drawed: J. Brokking
Date: 01-12-2016
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