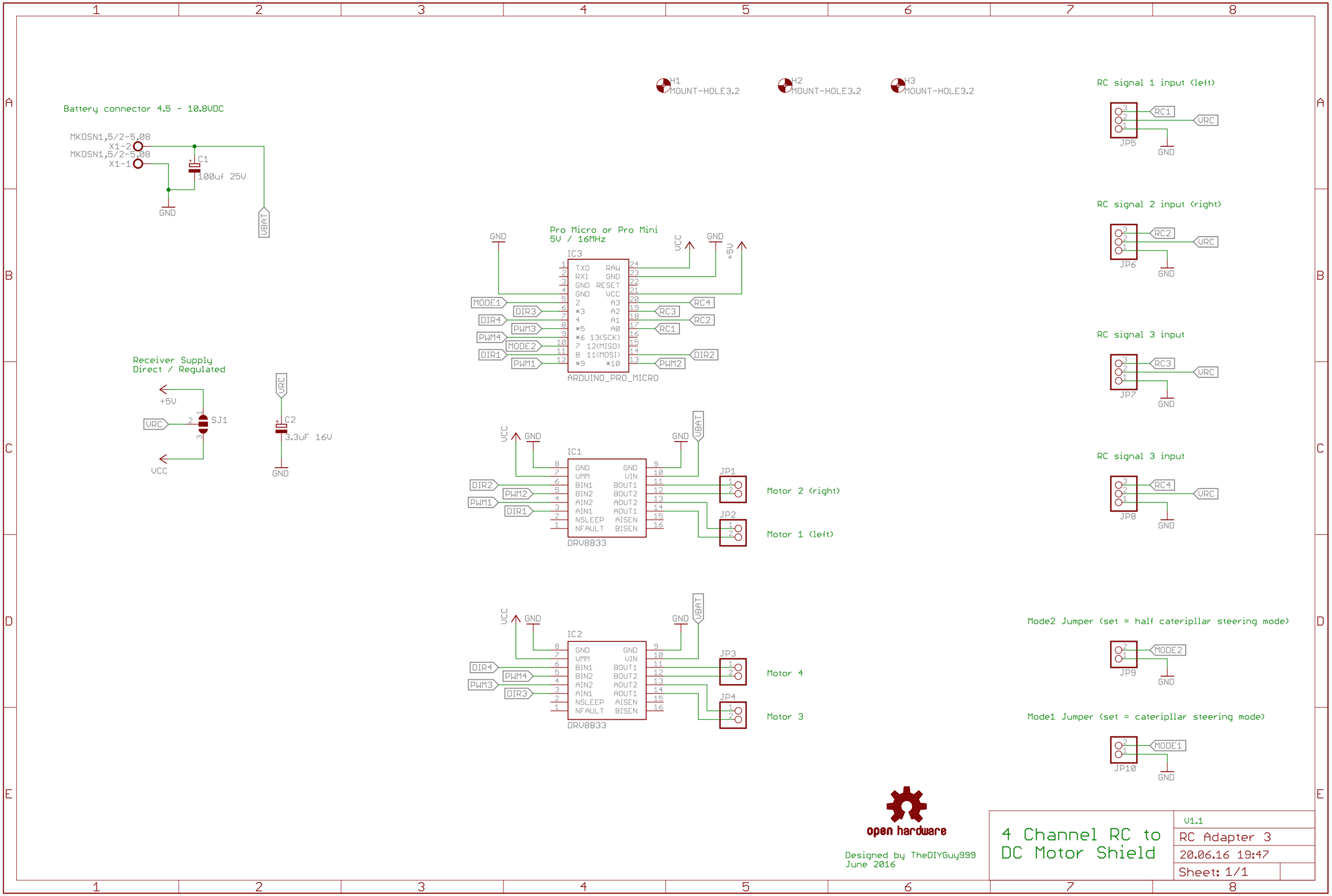
Battery connector 4.5 - 10.8VDC
MKDSN1,5/2-5,08
X1-2
MKDSN1,5/2-5,08
X1-1
C1
100uf 25V
GND
VBAT
H1
MOUNT-HOLE3.2
H2
MOUNT-HOLE3.2
H3
MOUNT-HOLE3.2
RC signal 1 input (left)
JP5
RC1
VRC
GND
RC signal 2 input (right)
JP6
RC2
VRC
GND
RC signal 3 input
JP7
RC3
VRC
GND
Pro Micro or Pro Mini
5V / 16MHz
IC3
TXO
RXI
GND
GND
2
*3
4
*5
*6
7
8
*9
RAW
GND
RESET
VCC
A3
A2
A1
A0
13(SCK)
12(MISO)
11(MOSI)
*10
MODE1
DIR3
DIR4
PWM3
PWM4
MODE2
DIR1
PWM1
RC4
RC3
RC2
RC1
DIR2
PWM2
ARDUINO_PRO_MICRO
VCC
+5V
Receiver Supply
Direct / Regulated
+5V
VRC
SJ1
VCC
VRC
C2
3.3uF 16V
GND
IC1
GND
VMM
BIN1
BIN2
AIN2
AIN1
NSLEEP
NFAULT
GND
VIN
BOUT1
BOUT2
AOUT2
AOUT1
AISEN
BISEN
DIR2
PWM2
PWM1
DIR1
JP1
Motor 2 (right)
JP2
Motor 1 (left)
DRV8833
IC2
DIR4
PWM4
PWM3
DIR3
JP3
Motor 4
JP4
Motor 3
DRV8833
Mode2 Jumper (set = half cateripllar steering mode)
JP9
MODE2
Mode1 Jumper (set = cateripllar steering mode)
JP10
MODE1
open hardware
Designed by TheDIYGuy999
June 2016
4 Channel RC to
DC Motor Shield
V1.1
RC Adapter 3
20.06.16 19:47
Sheet: 1/1