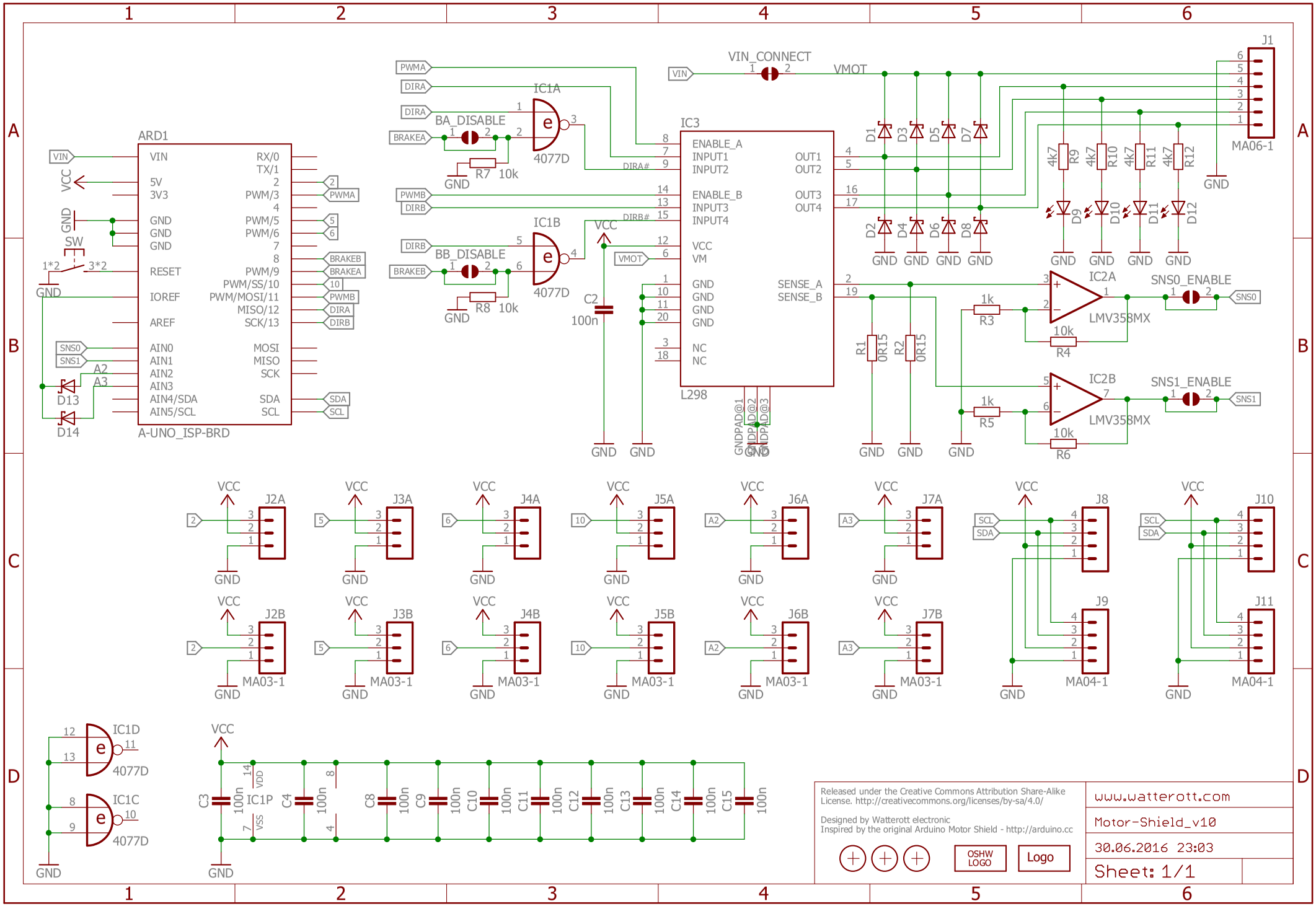
ARD1
A-UNO_ISP-BRD
VIN
VCC
GND
SW
1*2
3*2
RESET
IOREF
AREF
AIN0
AIN1
AIN2
AIN3
AIN4/SDA
AIN5/SCL
5V
3V3
RX/0
TX/1
PWM/3
PWM/5
PWM/6
PWM/9
PWM/SS/10
PWM/MOSI/11
MISO/12
SCK/13
MOSI
MISO
SCK
SDA
SCL
SNS0
SNS1
A2
A3
D13
D14
PWMA
DIRA
BRAKEA
PWMB
DIRB
BRAKEB
IC1A
IC1B
4077D
BA_DISABLE
BB_DISABLE
R7 10k
R8 10k
DIRA#
DIRB#
C2
100n
IC3
L298
ENABLE_A
INPUT1
INPUT2
ENABLE_B
INPUT3
INPUT4
VCC
VM
GND
NC
OUT1
OUT2
OUT3
OUT4
SENSE_A
SENSE_B
GNDPAD@1
GNDPAD@2
GNDPAD@3
VIN_CONNECT
VMOT
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
4k7
R9
R10
R11
R12
J1
MA06-1
R1 0R15
R2 0R15
IC2A
IC2B
LMV358MX
1k
R3
R5
10k
R4
R6
SNS0_ENABLE
SNS1_ENABLE
J2A
J3A
J4A
J5A
J6A
J7A
J8
J10
J2B
J3B
J4B
J5B
J6B
J7B
J9
J11
MA03-1
MA04-1
IC1D
IC1C
IC1P
C3
C4
C8
C9
C10
C11
C12
C13
C14
C15
VDD
VSS
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Designed by Watterott electronic
Inspired by the original Arduino Motor Shield - http://arduino.cc
OSHW LOGO
Logo
www.watterott.com
Motor-Shield_v10
30.06.2016 23:03
Sheet: 1/1

Motor Shield
Rev 1.0
www.watterott.com
Open Hardware
Watterott electronic
Reset
I2C
GND
5V
SDA
SCL
GND Vin
A5
A4
A3
A2
A1
A0
5V
3.3V
RST
IOREF
GND
GND
TX 1
RX 0
PWM A 3
BRAKE B 9
BRAKE A 8
PWM B 11
DIR A 12
DIR B 13
GND
AREF
SDA
SCL
~3
~5
~6
~9
~10
~11
~12
~13