Features:

The drive performance of these non-L298 motor driver chip can be compared.
The driver focus on current and efficiency, effectively motor power and battery life.
Can withstand high current overload, the maximum current up to 30A
This drive also has a brake function can be quickly stopped the motor, brake quickly, braking obvious, easy to implement this feature
The drive uses the full two half-bridge driver chip + low resistance N-channel MOSFET components.
Completer two half-bridge driver chip reliable drive mode, the MOSFET switching losses to a minimum. Improve power utilization.
MOSFET driver chip comes with hardware brake function and power feedback.
This drive is superior integrated low power chip solution and the other half-bridge power margin in the coordinated combination of programs and complex issues and complementary drive problems
N-channel MOSFET IRF3205 MOSFET, use two dedicated half-bridge driver chip on the top tube using the boostrap capacitor, so that the tube has enough drive voltage of the MOSFET channel can be opened quickly, improve motor acceleration curvature, but also quickly for the motor brake. This allows the trolley can quickly start can quickly kill the car.
The driver can operate at 0-99% of the duty cycle of the PWM modulation, the motor driving voltage can be obtained sufficiently.
Parameter
Motor forward: DIR = 1 PWM = PWM
Motor reversal: DIR = 0 PWM = PWM
Parking brake: DIR = X PWM = 0 (X is an arbitrary state)
Motor and power connections
POWER connected to the positive power supply, GND power supply is negative. Two motors were connected MOTOR1, MOTOR2

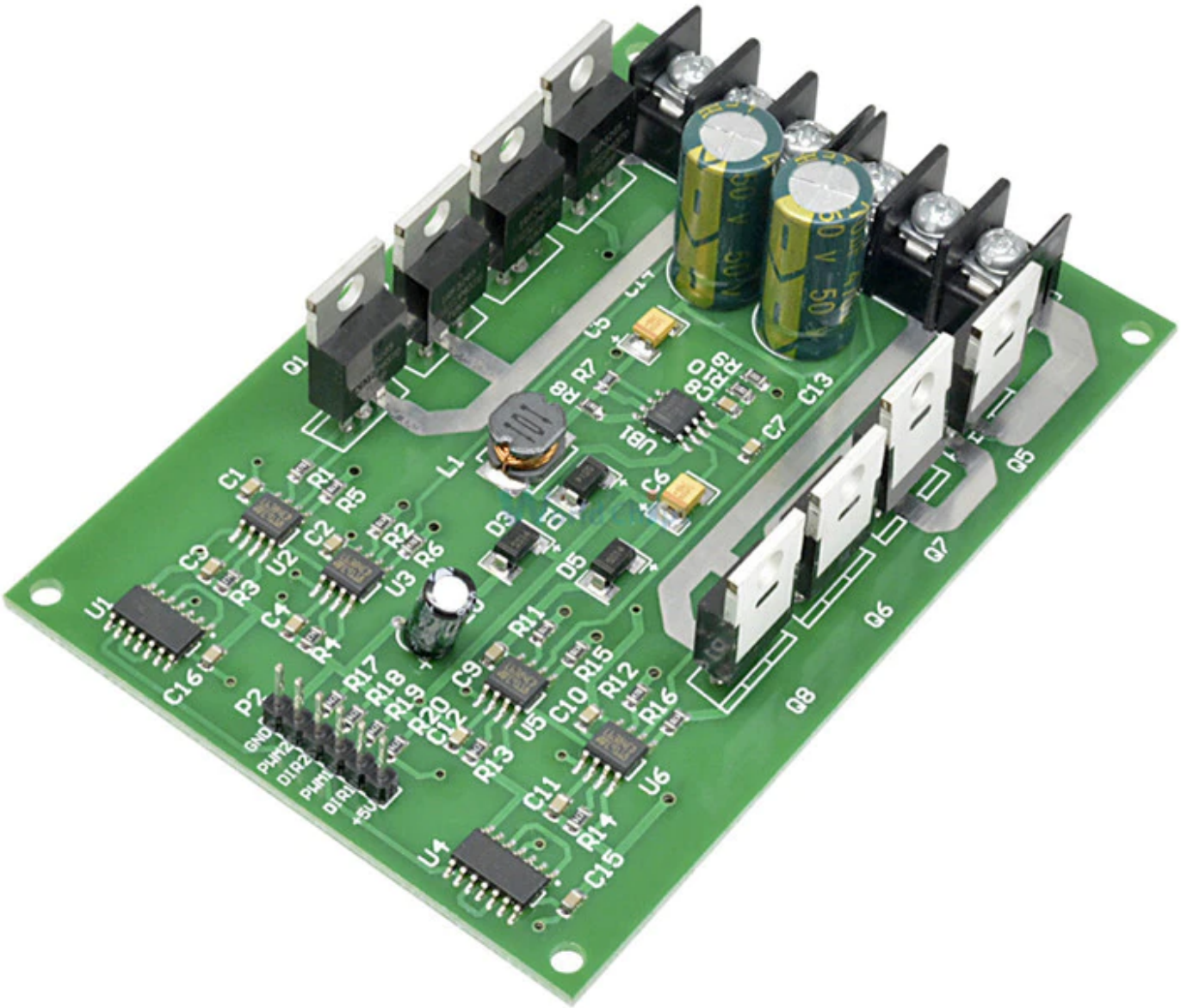
Rated voltage: 3v-36v (can be customized according to the user)
Rated Current: 10A
Peak current: 30A
Use: Freescale smart car contest Undergraduate Electronic Design Contest variety of DC motor control circuit
Dimensions: length 108mm*58mm width

Package:

1 x Dual Motor driver module board H-Bridge DC MOSFET IRF3205 3-36V 10A/15A

★ Pictures ★

World Chips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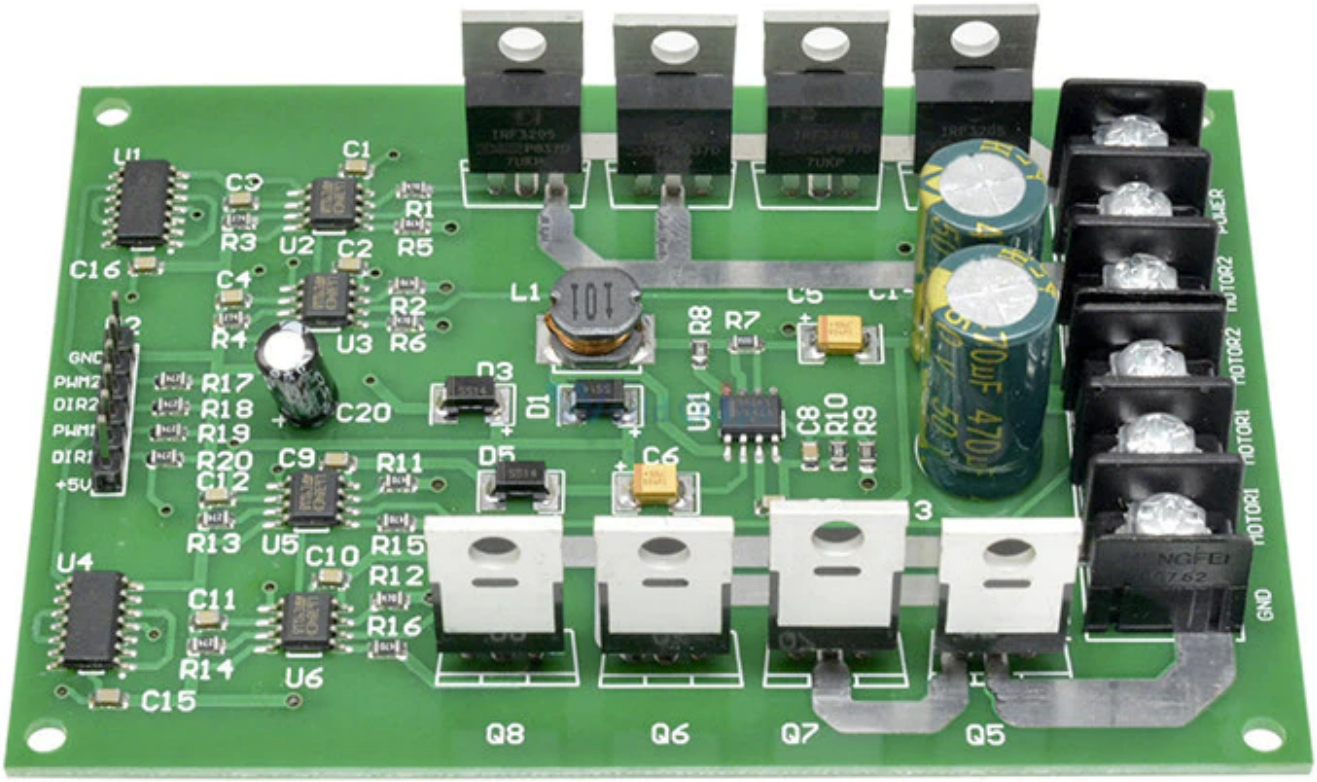
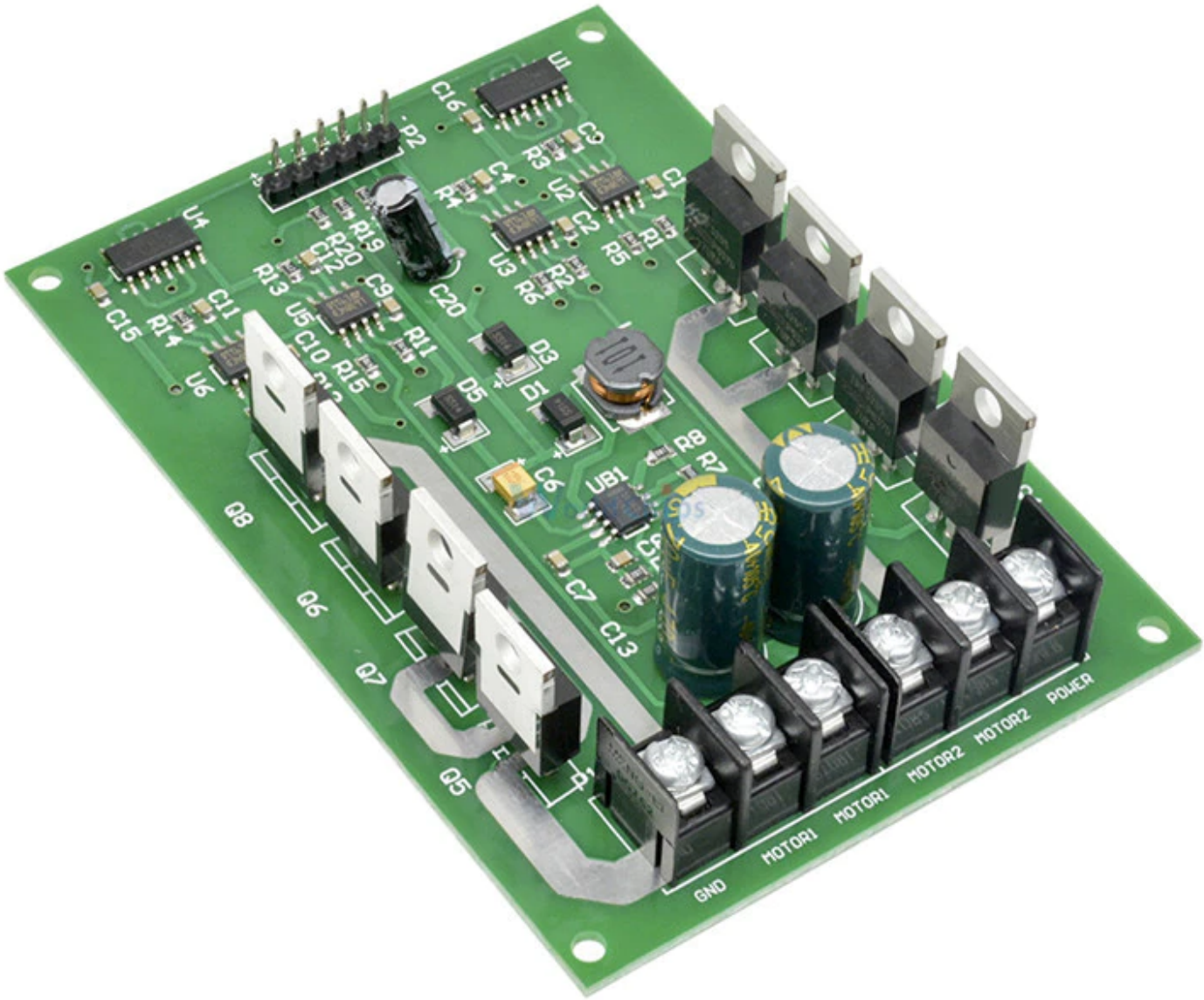
L1
U1
U2
U3
U4
U5
U6
U8
P2
GND
PWM2
DIR2
PWM1
DIR1
+5V
Q5
Q6
Q7
Q8
C13


U1
C1
C3
R1
R3
U2
C2
R5
C16
C4
R2
R4
U3
R6
L1
R8
R7
C5
GND
PWM2
DIR2
PWM1
DIR1
+5V
R17
R18
R19
R20
C20
D3
D1
UB1
C8
R10
R9
C9
R11
C12
D5
C6
R13
U5
C10
R15
R12
U4
C11
R16
R14
U6
C15
Q8
Q6
Q7
Q5
470uF
POWER
MOTOR2
MOTOR2
MOTOR1
MOTOR1
GND

World Chips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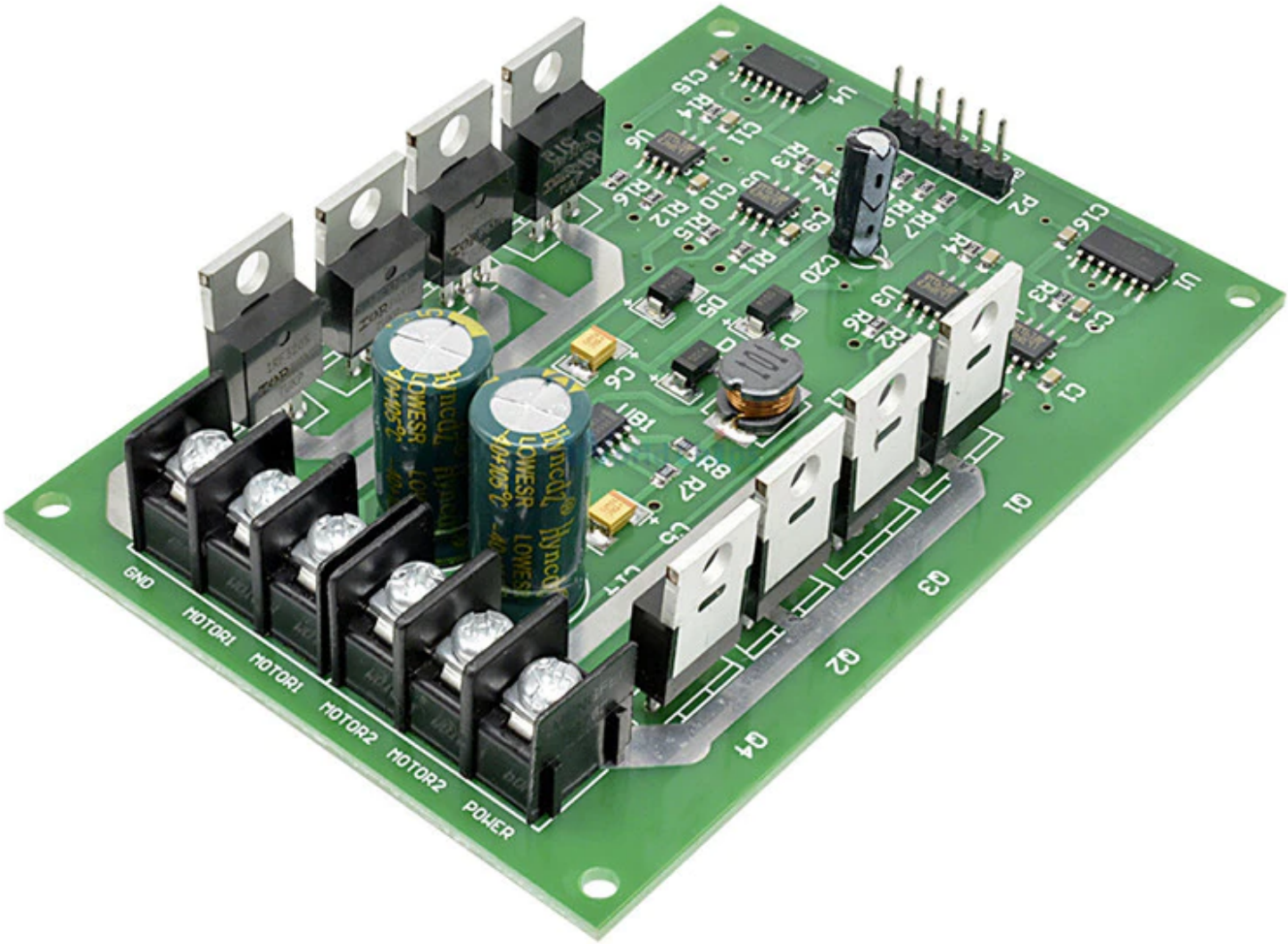
C16
P2
C9
R3
C4
R4
U2
C1
U4
R19
R20
C12
R13
C2
R1
R5
U3
R2
R6
C20
C9
C11
R14
C15
U5
C10
R15
R11
D3
D5
D1
R8
R7
C6
UB1
C7
C13
Q8
Q6
Q7
Q5
P1
GND
MOTOR1
MOTOR1
MOTOR2
MOTOR2
POWER

World Chips



World Chips