

L9110 driver chips supports DC voltages from 2.5 to 12 V, caters continuous current of 800 mA, and has a maximum peak current of 1.5 to 2 A L9110 as single VCC for both control logic and motor driver circuits we can run the module from a 3-V DC supply for 3-V DC motors and from 5 V for 5-V DC motors ■ 8x 12 ohm resistors (2 per channel) vary voltage from 0.55 to 1.1 v depending IA = PWM (or not) for speed control the number of BEMF (1.6v) activated at the same time (max 1 per channel) (4 BEMF = 0.57v; 3=0.8; 2=0.9; 1=1.1) IB = direction (forward / reverse) control. BEMF = back electromotive force (used as endstop sensor) VCC = 3.3V or 5V (must be the same as logic controller) L9110 as single VCC for both control logic and motor driver circuits So we can run the module from 3.3V controller (ESP) for 3-V DC motors and from 5 V (Arduino) for 5-V DC motors Caters continuous current of 800 mA, and has a maximum peak current of 1.5 to 2 A H-CH12 Header-Female-2.54_1x8 H-CH34 Header-Female-2.54_1x8 CH1-IA CH2-IB CH2-IA CH2-BEMF ĞND ĞND CH4-IA R2-CH1 10K R2-CH2 10K R2-CH4 10K CH4-BEMF C-CH3 C-CH1 C-CH2 C-CH4 R3-CH2 12ohm R3-CH3 R3-CH1 R3-CH4 616-PCB-4P4C-90° 616-PCB-4P4C-90° 616-PCB-4P4C-90 ° 616-PCB-4P4C-90° TITLE: L9110 modules REV: 1.2 CC BY-NC-SA 4.0 licence Company: Barbarossa Sheet: 1/1 (Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International) **EasyEDA** No commercial use Date: 2021-01-25 Drawn By: nliaudat





