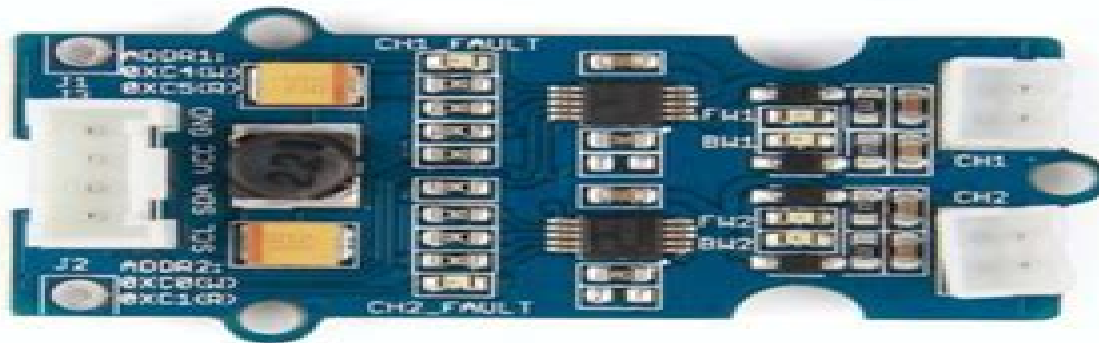


Grove - Mini I2C Motor Driver v1.0



Introduction

This Grove - Mini I2C motor driver included two DRV8830. The DRV8830 provides an integrated motor driver solution for battery-powered toys, printers, and other low-voltage or battery-powered motion control applications. The module has two H-bridge drivers, and can drive two DC motors or two winding of stepper motors, as well as other loads like solenoids. It requires an onboard 5V voltage regulator which can power the I2C bus. All driver lines are diode protected from back EMF. It features two LEDs for fault indicator and four LEDs to indicate which direction each motor is running. GROVE system plug and I2C interface enables you to daisy-chain the driver with many other devices.

Feature

- Without external power supply
- Two leds for fault indicator
- Default maximum drive current 200 mA
- Grove compatible
- I2C interface
- Motor's speed and direction can control
- Number of channels: 2
- Easy to use

Application Ideas

This motor driver can be used to drive any brushed electronic motor as long as it doesn't consume more than 1A at 5v.

Two motors can be driven simultaneously while set to a different speed and direction.

The speed can be set fully proportional and is controlled by I2C command.

Grove Manuals

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HVAC Equations, Data, and Rules of Thumb, 2nd Ed. Arthur Bell, 2007-09-26 The Latest Information and Tricks of the Trade for Achieving First Rate HVAC Designs on Any Construction Job HVAC Equations Data and Rules of Thumb presents a wealth of state of the art HVAC design information and guidance ranging from air distribution to piping systems to plant equipment This popular reference has now been fully updated to reflect the construction industry s new single body of codes and standards Featuring an outline format for ease of use the Second Edition of this all in one sourcebook contains Updated HVAC codes and standards including the 2006 International Building Code Over 200 equations for everything from ductwork to air handling systems ASME and ASHRAE code specifications Over 350 rules of thumb for cooling heating ventilation and more New material including coverage of the new single body of construction codes now used throughout the country Inside This Updated HVAC Design Guide Definitions Equations Rules of Thumb for Cooling Heating Infiltration Ventilation Humidification People Occupancy Lighting and Appliance Equipment Cooling Load Factors Heating Load Factors Design Conditions and Energy Conservation HVAC System Selection Criteria Air Distribution Systems Piping Systems General Hydronic Glycol Steam Steam Condensate AC Condensate Refrigerant Central Plant Equipment Air Handling Units Chillers Boilers Cooling Towers Heat Exchangers Auxiliary Equipment Fans Pumps Motors Controllers Variable Frequency Drives Filters Insulation Fire Stopping Automatic Controls Building Automation Systems Equipment Schedules Equipment Manufacturers Building Construction Business Fundamentals Architectural Structural and Electrical Information Conversion Factors Properties of Air and Water Designer s Checklist Professional Societies and Trade Organizations References and Design Manuals Cleanroom Criteria and Standards **Fiber Optics User's Manual & Design Series**, 1978 **Guide to the Blue and John Crow Mountains** Margaret Hodges, 2008 The Guide to the Blue and John Crown Mountains tempts and excites the uninitiated informs and prepares the committed and provides a wonderful memoir for veterans of the experience of the National Park in Jamaica From cover to cover the reader is taken on a tour in time and space around and through the park *The American Hereford Record and Hereford Herd Book* American Hereford Cattle Breeders' Association, 1919 Brief history of Hereford cattle v 1 p 359 375 **Grove's Dictionary of Music and Musicians** George Grove, John Alexander Fuller-Maitland, 1907 **Technical Manual** United States. War Department, 1945 *The Musical Times*, 1905 *National Library of Medicine Audiovisuals Catalog* National Library of Medicine (U.S.), THE CHURCH HERALD., 1873 **Franchise Opportunities Handbook**, 1981 This is a directory of companies that grant franchises with detailed information for each listed franchise **Franchise Opportunities Handbook** United States. Domestic and International Business Administration, 1986 This is a directory of companies that grant franchises with detailed information for each listed franchise **United States Official Postal Guide**, 1943 **Miscellaneous Publications** United States. Bureau of Mines, 1919 HVAC Equations, Data, and Rules of Thumb, Third Edition Arthur A. Bell, W. Larsen Angel, 2015-12-22 This

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