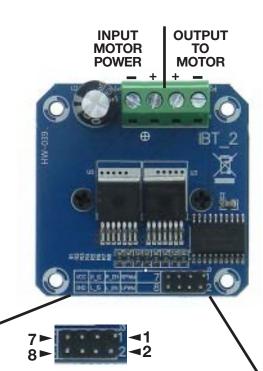
37225-MD High Current "H" Bridge Motor Driver

High current "H" bridge module for motor drive applications using dual BTS7960 chips. Built-in themperature & current protection. Logic level inputs to interface to a microcontroller. Only four wires (GND, 5V, RPWM & LPWM) are needed from the microcontroller to the drive module. Input Voltage: Motor: 6V-27V Logic: 5V (From Microcontroller) Motor & Logic supplies share common Ground. Maximum current: 43A Logic level Inputs: 3.3-5V Control method: PWM (Up to 25KHz) or logic level Duty cycle: 0-100% Terminal Strip for Motor & Motor Power. 2x4 0.1" Pitch header for logic & 5V SQ: 2" H: 1-1/2" WT: .15



Drive Methods

1	Pin#	Function					
						1	RPWM
Function	Pin #	Control			2	LPWM	
R _ & L_EN	3&4	Н			3	R EN	
RPWM	1	PWM	Н	L	H	4	L EN
LPWM	2	Н	PWM	L	Н	4	-
MOTOR		CW*	CCW*	STOP	NO#	5	R_IS
INDIOR				510P	NO#	6	L_IS
2						7	Vcc

Function	Pin #		Contr	ol	
R & L_EN	3&4		PWN	1	
RPWM	1	Н	L	L	Н
LPWM	2	L	Н	L	Н
MOTOR		CW*	CCW*	STOP	NO#

2IN#	Function	Description
1	RPWM	Forward*- Level or PWM - Active High
2	LPWM	Reverse* - Level or PWM - Active High
3	R_EN	Forward* - Level - High Enable - Low Disable
4	L_EN	Reverse* - Level - High Enable - Low Disable
5	R_IS	Forward* - Over Current/Temp Alarm
6	L_IS	Reverse* - Over Current/Temp Alarm
7	Vcc	+5VDC Power Supply (Ex or Microcontroller)
8	Gnd	Power Supply Ground (Ex or Microcontroller)

*<u>NOTE:</u> Terms "FORWARD" & "REVERSE", MOTOR "+ & -", "CW/CCW" Are Relative To How You Connect Your Motor

<u>**#NOTE:</u>** AVOID This as it is Possible for Both High Side & Low Side to Be Active Causing A Short Circuit Through The Chip(s) Resulting Distruction of Part.</u>

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