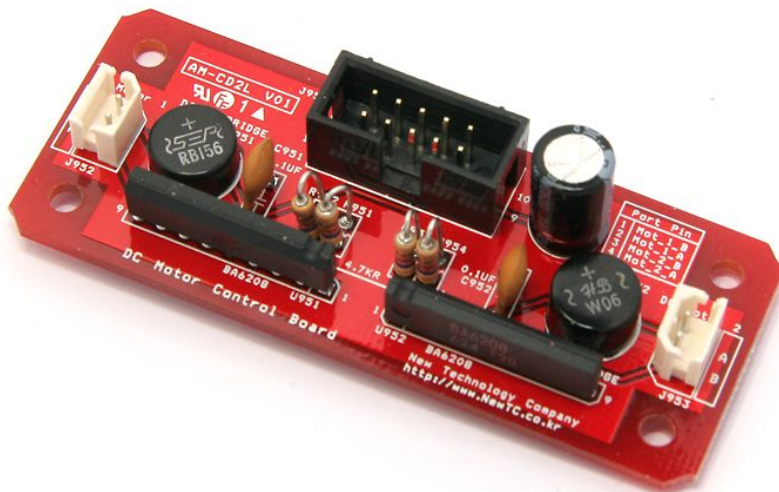


Small DC motor controller(Model : AM-CD2L) Manual

New Technology Company
(N.T.C)
<http://www.NewTC.co.kr>
Aug. 12, 2007

1 Introduction

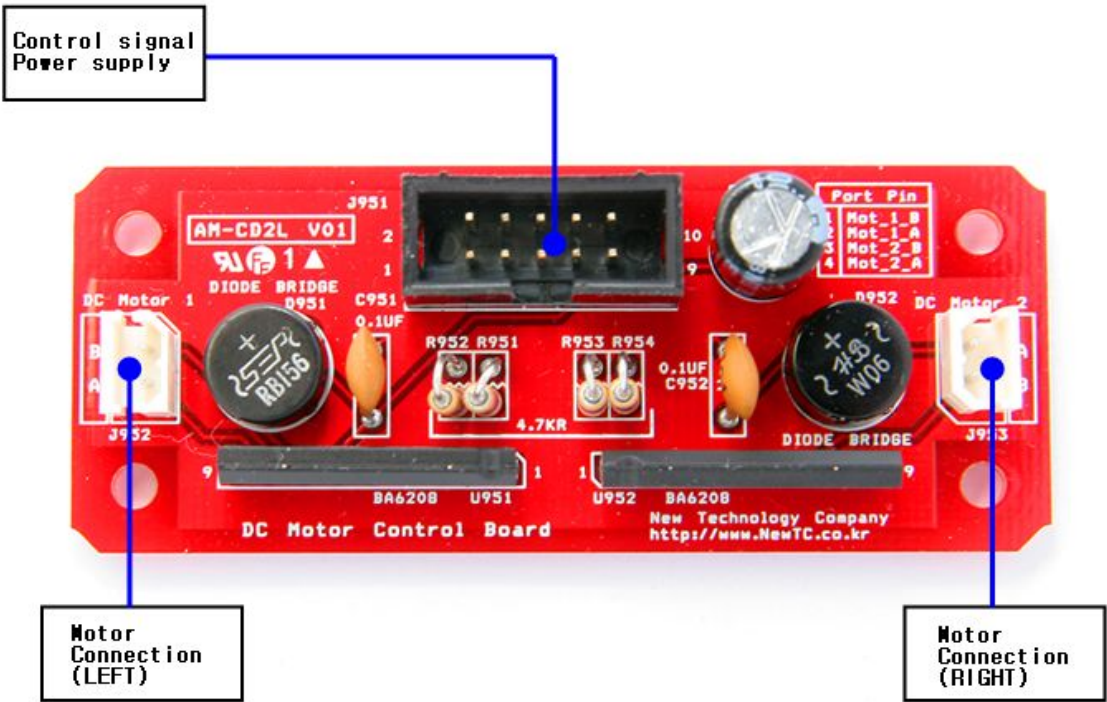
- ◆ Small DC motor controller (Maximum current : 100 mA / motor 1ea)
- ◆ You can control Small DC motor 2ea
- ◆ Control signal and power supply by 10Pin Cable
- ◆ Possible to turn CW, CCW



Small DC motor controller AM-CD2L

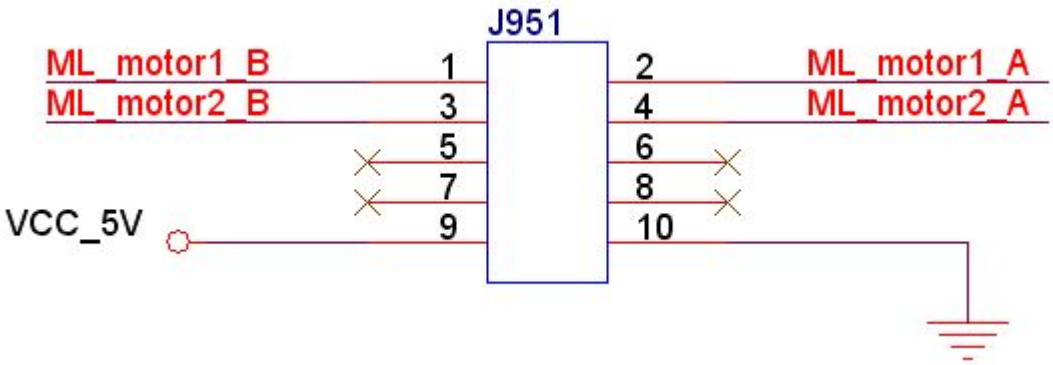
2 AM-CD2L (DC motor controller) H/W

2.1 Hardware



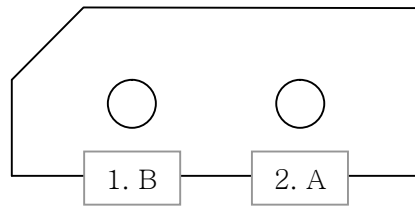
2.2 Connector

2.2.1 Port connection using connector J951



#1	#3	#5	#7	#9
Left Motor phase B	Right Motor phase B			DC 5V
#2	#4	#6	#8	#10
Left Motor phase A	Right Motor phase A			GND

2.2.2 DC motor connector J952, J953



Motor connection

1	DC motor phase A
2	DC motor phase B

3 Using AM-CD2L (DC motor controller)

3.1 Hardware connection

3.1.1 Input of Motor control signal

Connect Motor control signal phase A & B to microcontroller port input

	CCW	CW	Stop	Stop
Phase A	1	0	1	0
Phase B	0	1	1	0

Input signal for motor control is like above. If A to 1, and B to 0, motor turns CCW, and if A to 0, B to 1, then motor turns CW. If you want motor stop, then input A and B as same input(ex: All 0 or 1)

4 Epilog

4.1 Contact point and appreciation letter

I appreciate you for buying the product of my company. We are always trying to make it convenience for AVR user to use easily. If you want to use this module, you need to control microprocessor or PC. To study this, you can ask the example by Q&A of website or email, and also you can refer the lectures from website of our company.

4.2 Technical support

<http://www.NewTC.co.kr>

In website, there is so many lectures and library, and over there you can download AVR lectures, electronic lectures, robot making lectures, and in the library, we are updating and uploading many example files, application programs, and datasheets, so refer it, please.

If you have any A/S or inquiry, then do not hesitate to contact with me, and you can use Q&A of website. If you want to develop something, you can email me(E-mail (davidryu@newtc.co.kr)). Thank you.