



CNC4PC C99DYN4 Special Function Boards User Manual

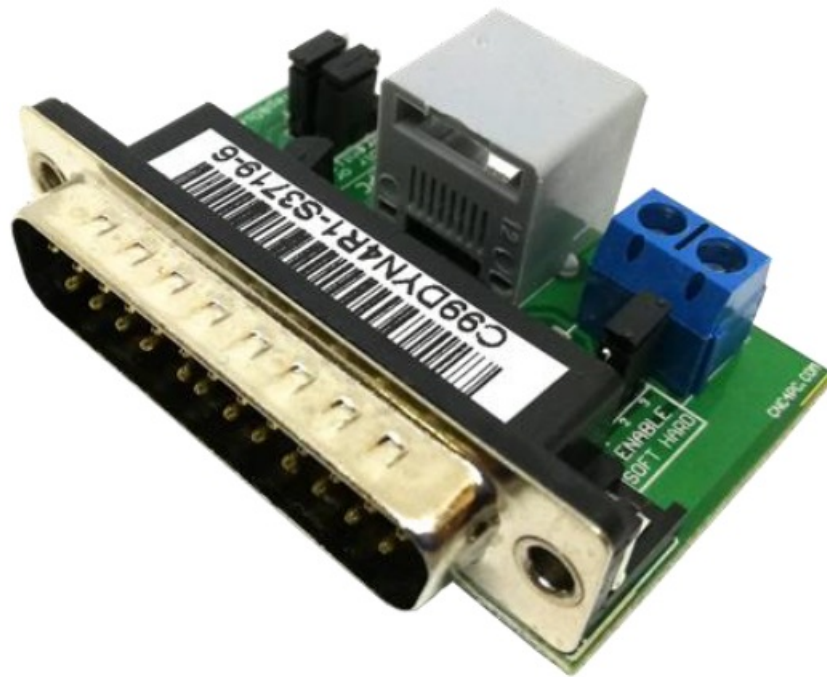
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CNC4PC C99DYN4 Special Function Boards



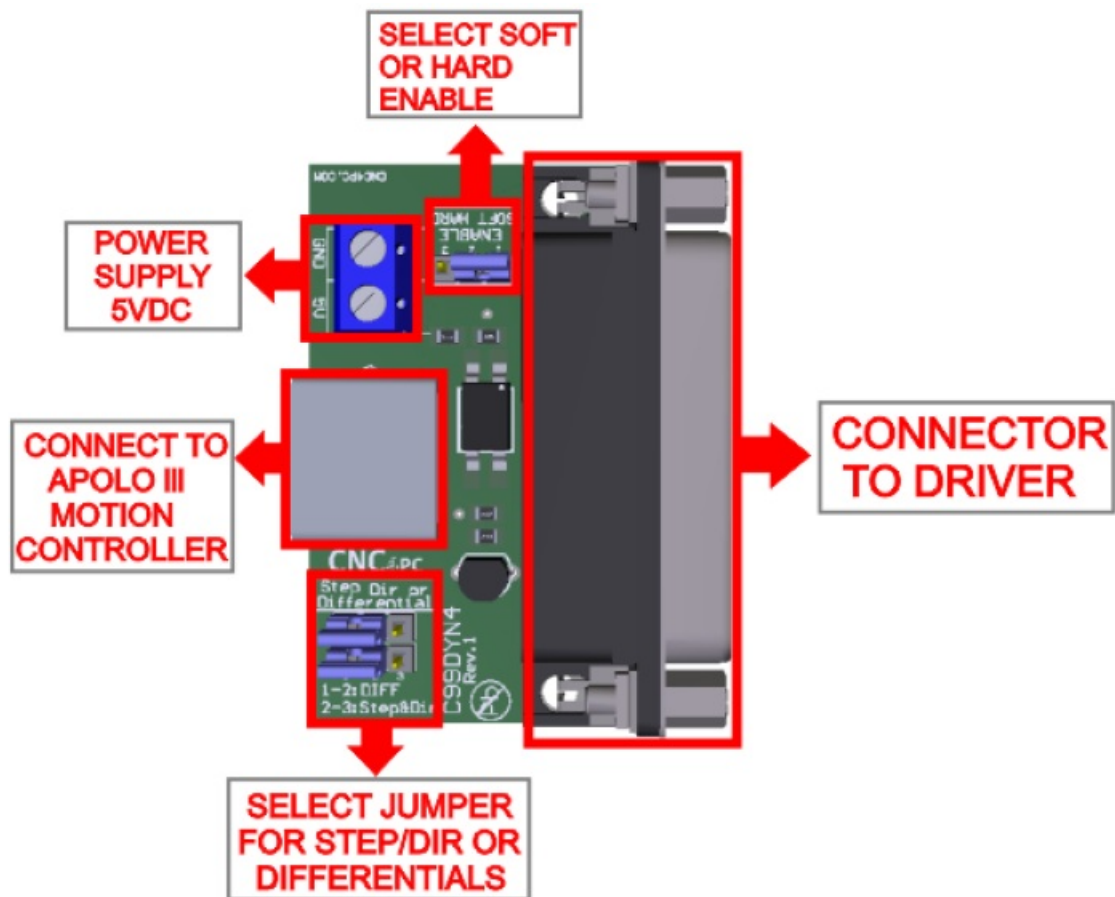
OVERVIEW

This interfaces board is used for the connection between Apollo III Motion Controller and the DYN4 AC SERVO DRIVE.

FEATURES

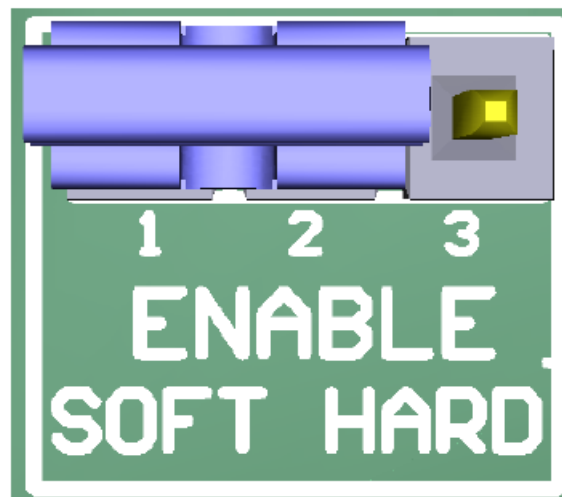
- DB25 connector for Connection of Driver.
- RJ45 Connector for Motion Controller.
- Select Jumper for Hard Enable or Soft Enable.
- Select jumper for signal differentials.
- Terminals for Power Supply.

BOARD DESCRIPTION

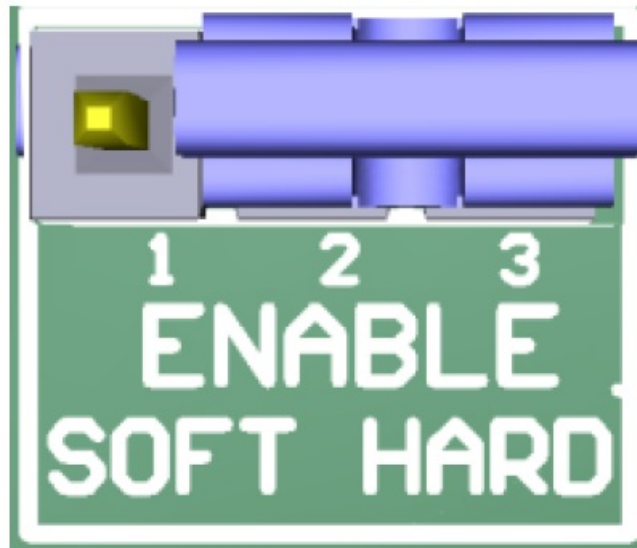


JUMPER TO SELECT THE ENABLE

Use Software Enable to keep the driver active only while the system is active.



Use Hardware Enable to keep the driver enabled all the time.

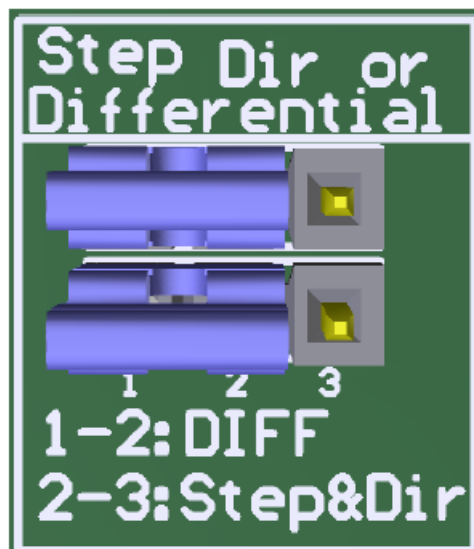


Note: This wiring is just to illustrate a sample product application. Specific wiring may vary from system to system. It is the user's responsibility to implement it correctly.

JUMPER TO SELECT THE DIFFERENTIAL

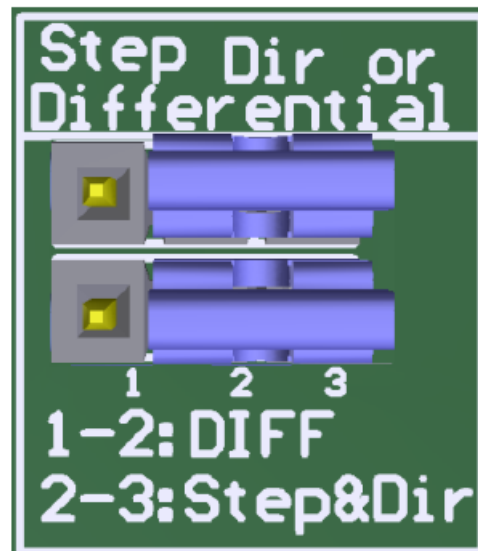
If working the inputs of STEP and DIR as differential signals, you have to use the board, set jumper as shown in the image.

DIFERENTIAL.



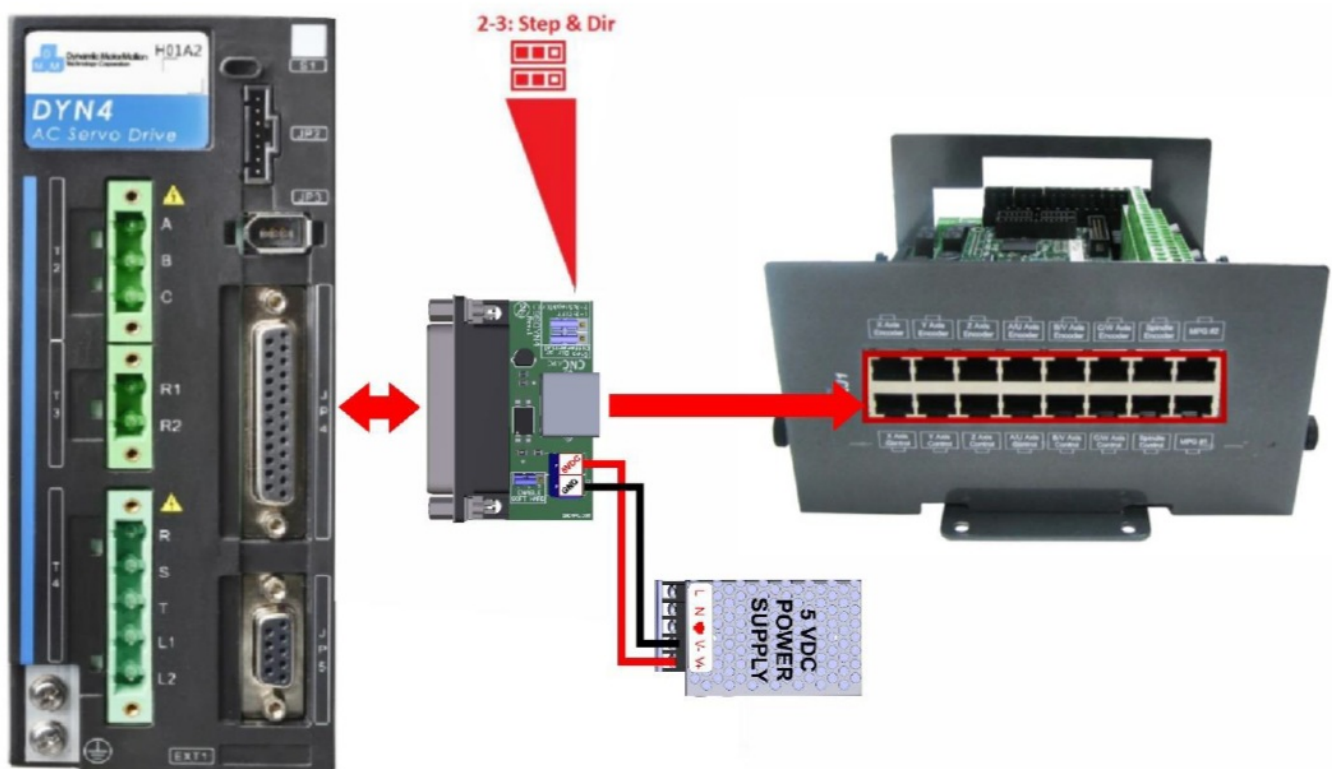
If not use the differential signal for STEP & DIR, set jumper as show in the image.

STEP & DIR

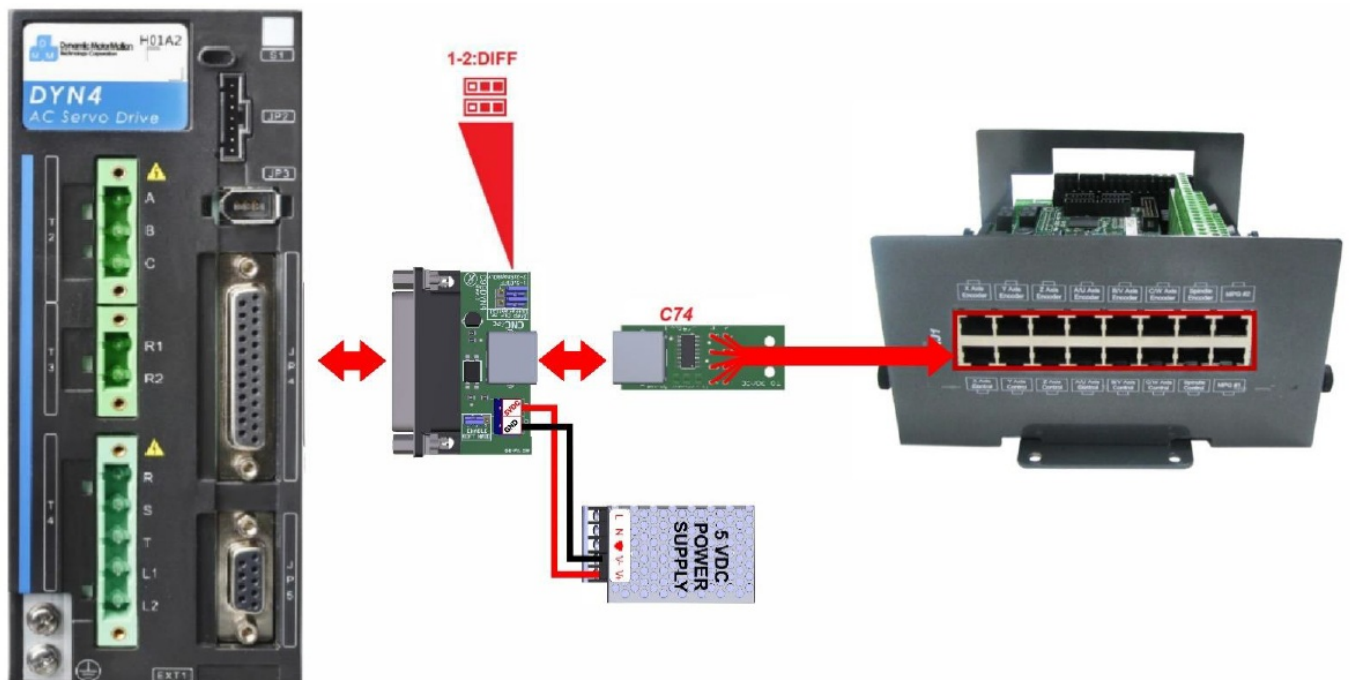


WIRING SAMPLE

Connection with input signals Step & Dir and APOLO III.



Connection with input signals Differentials C74 and APOLO III.

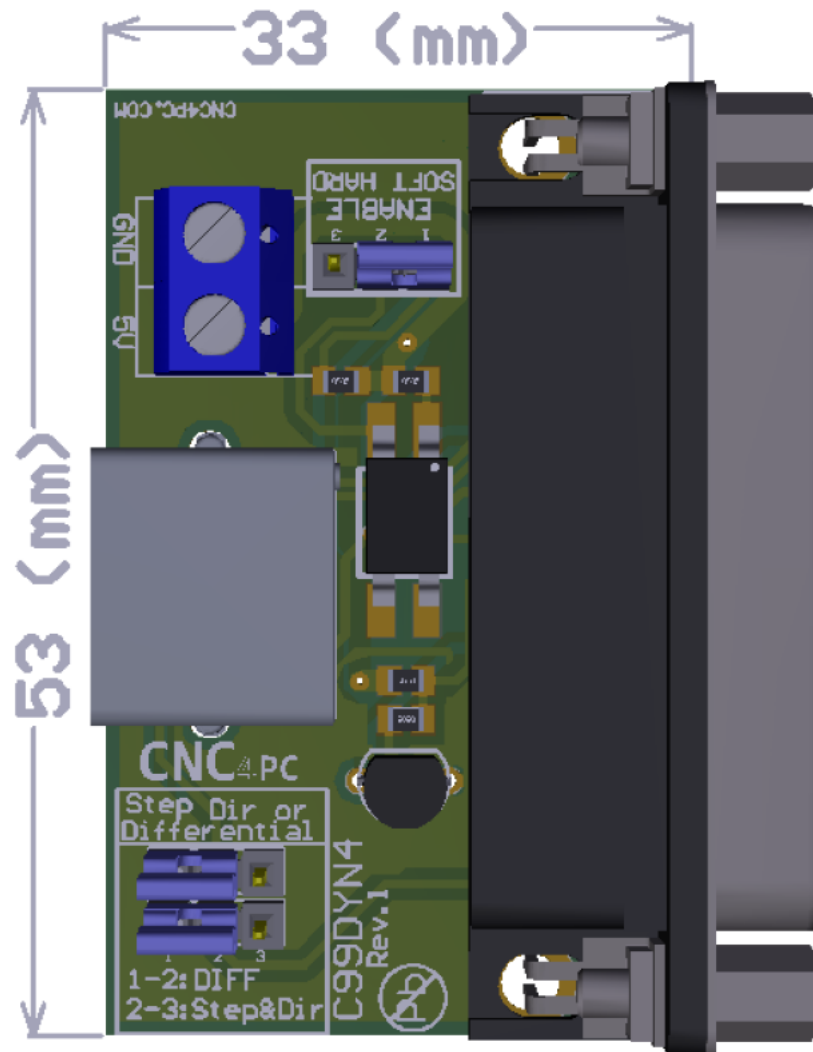


PINOUT

DMM DYN4 AC SERVO DRIVE AND APOLLO III MOTION CONTROLLER		
DB25 PIN	FUNCTION	RJ45 PIN
15	SERVO ENABLE *	4
10	DIR-	6
22	DIR+	3
23	STEP-	8
11	STEP+	7
5	GND	5
1	DIGITAL INPUT COMMON GROUND	Internally routed
4	Int. 14VDC input	Wired to pin 17
17	Int. 14VDC output	Wired to pin 4


Note:

Servo ENABLE is related to the RJ45 pin 5 of the C99DYN4 board, but they are not connected directly to this pin.

DIMENSIONS**DISCLAIMER:**

Use caution. CNC machines can be dangerous machines. Neither DUNCAN USA, LLC nor Arturo Duncan is liable for any accidents resulting from the improper use of these devices. This board is not a fail-safe device and it should not be used in life support systems or in other devices where its failure or possible erratic operation could cause property damage, bodily injury or loss of life.

Documents / Resources

 <p>CNC4PC C99DYN4 Special Function Board Rev. 1</p>	<p>CNC4PC C99DYN4 Special Function Boards [pdf] User Manual</p> <p>C99DYN4 Special Function Boards, C99DYN4, Special Function Boards, Function Boards</p>
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