
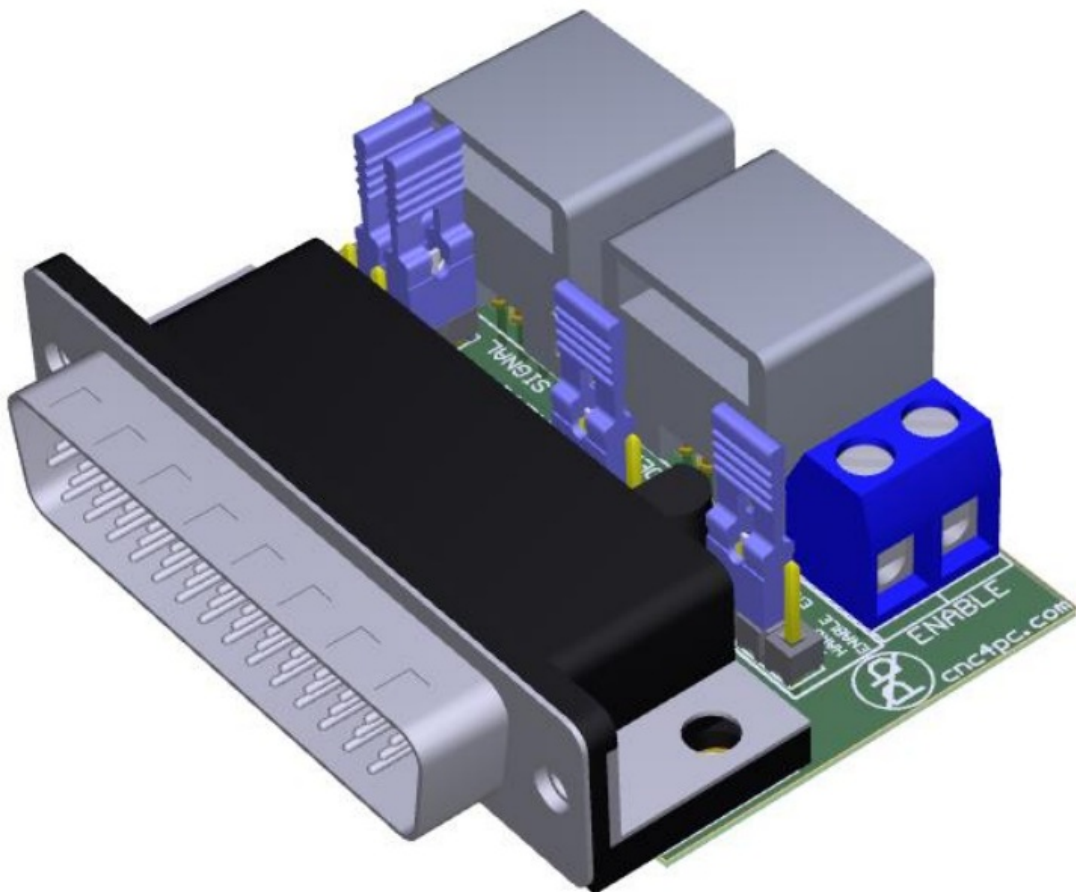


CNC4PC C34LC-S R1 Special Function Boards User Manual

[Home](#) » [CNC4PC](#) » CNC4PC C34LC-S R1 Special Function Boards User Manual 

CNC4PC C34LC-S R1 Special Function Boards



Contents

1 OVERVIEW

2 FEATURES

3 BOARD DESCRIPTION

4 JUMPER TO SELECT THE ENABLE

4.1 JUMPER TO SELECT THE DIFFERENTIAL

4.2 JUMPER TO SELECT ACTIVE LOW AND ACTIVE HIGH

5 WIRING SAMPLE

5.1 Diagram of connection with input signals Step & Dir and C76.

5.2 Diagram of connection with input signals Differentials C74 and C76.

6 PINOUT

7 DIMENSION

8 DISCLAIMER

9 Documents / Resources

10 Related Posts

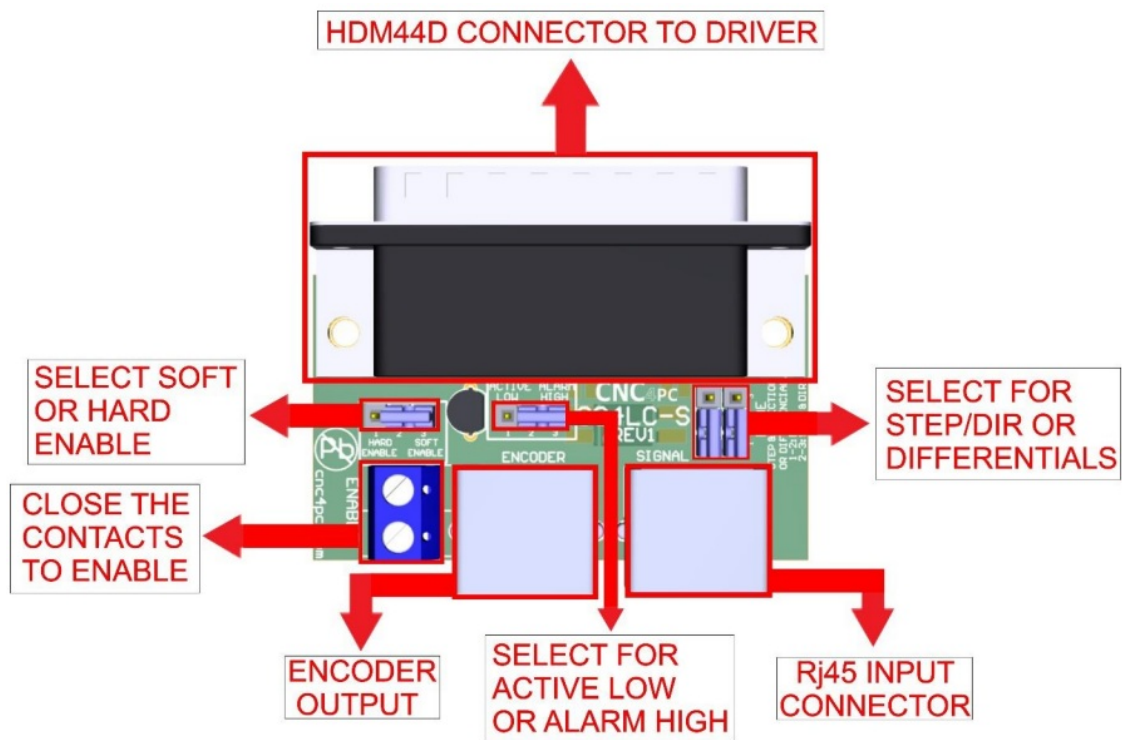
OVERVIEW

This board interface is used for the connection between C82, C76, M16D, C35S, C62 and LICHUAN A4 – A6 Series AC Servo Drive

FEATURES

- HDM44D connector for Connection of Driver.
- RJ45 Connector for Axis.
- Encoder Output.
- Select Jumper for Hard Enable or Soft Enable.
- Alarm terminal
- Select jumper for signal differentials.
- Terminals for external drive enable push button.
- Select Jumper active Low and active High

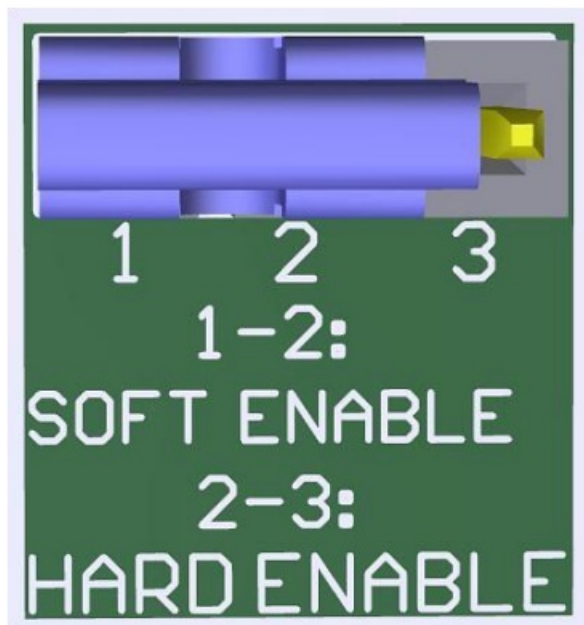
BOARD DESCRIPTION



JUMPER TO SELECT THE ENABLE

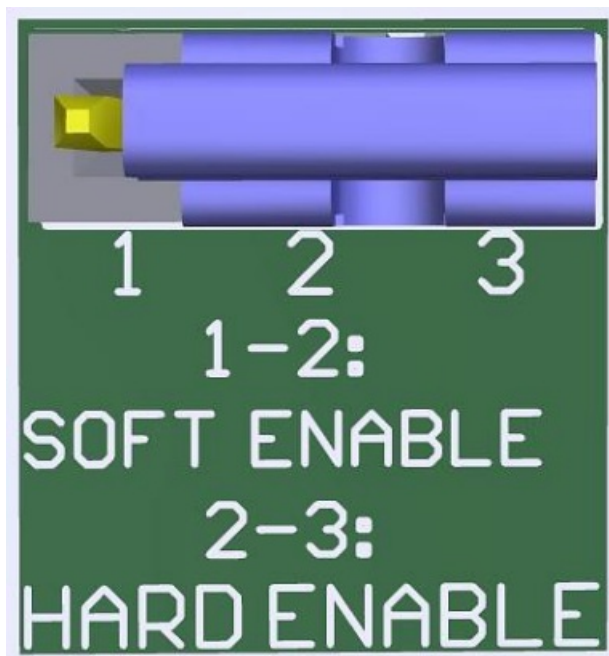
Use Software Enable to keep the driver active only while the system is active. Set of jumpers as shown in the image.

SOFT ENABLE



Use Hardware Enable to keep the driver enabled all the time. Set of jumpers as shown in the image.

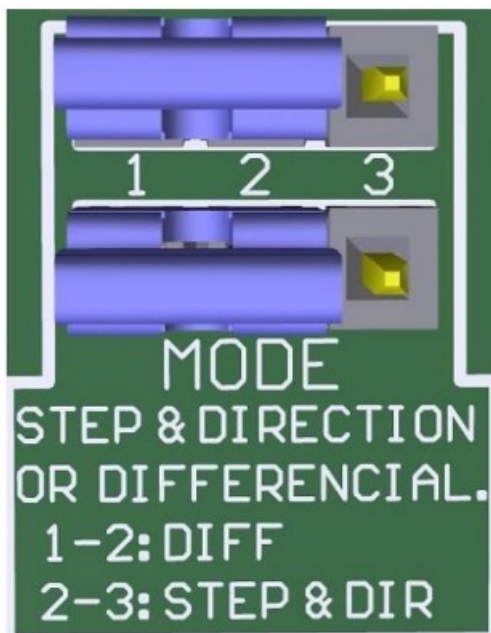
HARD ENABLE



JUMPER TO SELECT THE DIFFERENTIAL

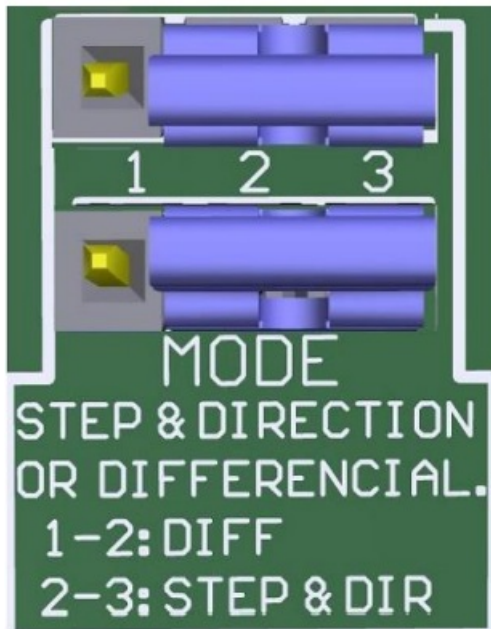
If working the inputs of STEP and DIR as differential signals, you have to use the board, set jumper as shown in the image

DIFFERENTIAL



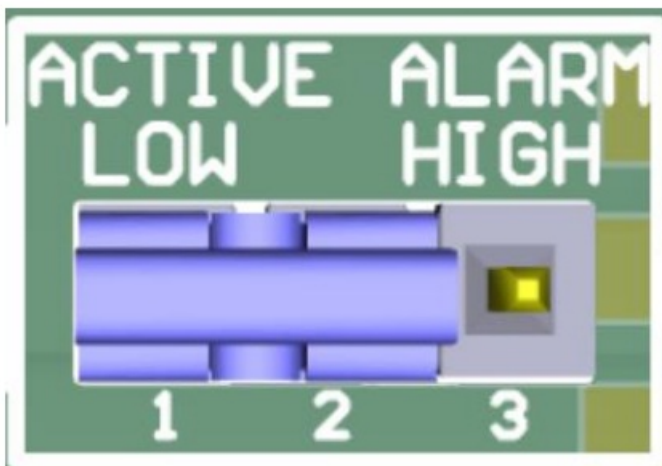
If not use the differential signal for STEP & DIR, set jumper as show in the image.

STEP & DIR

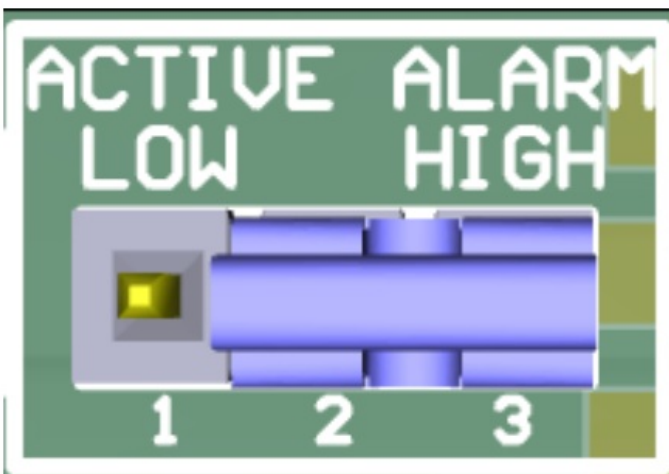


JUMPER TO SELECT ACTIVE LOW AND ACTIVE HIGH

1-2: ACTIVE LOW

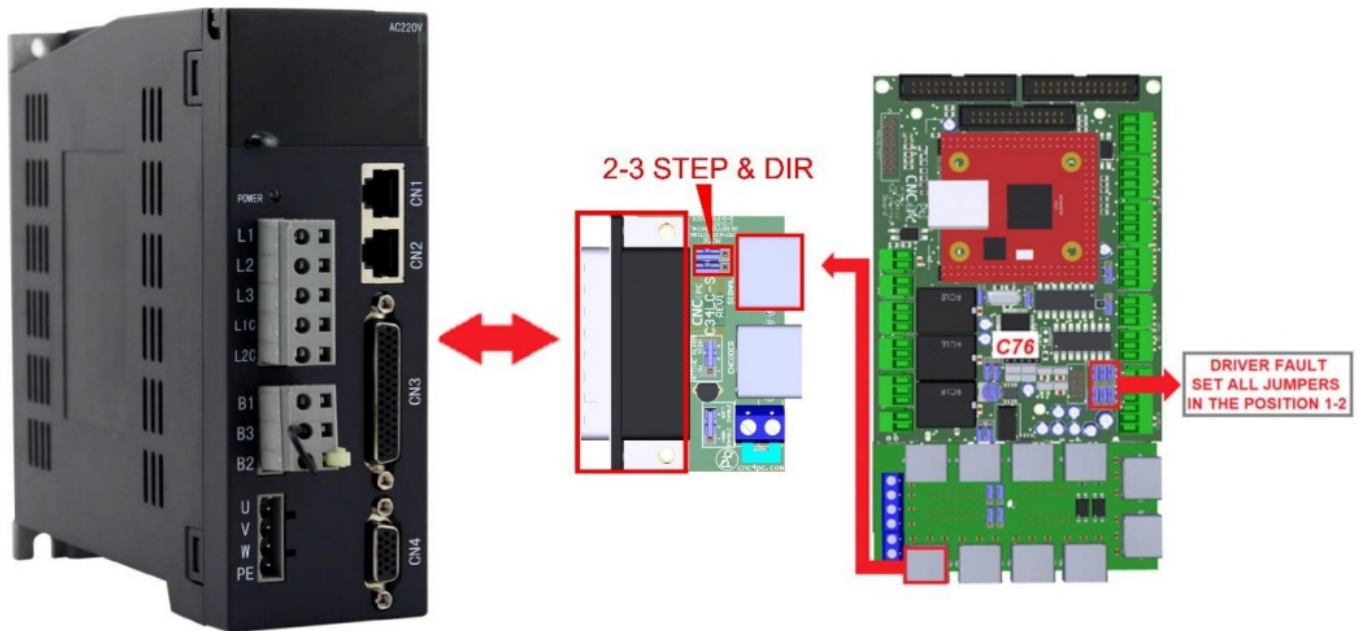


2-3: ACTIVE HIGH



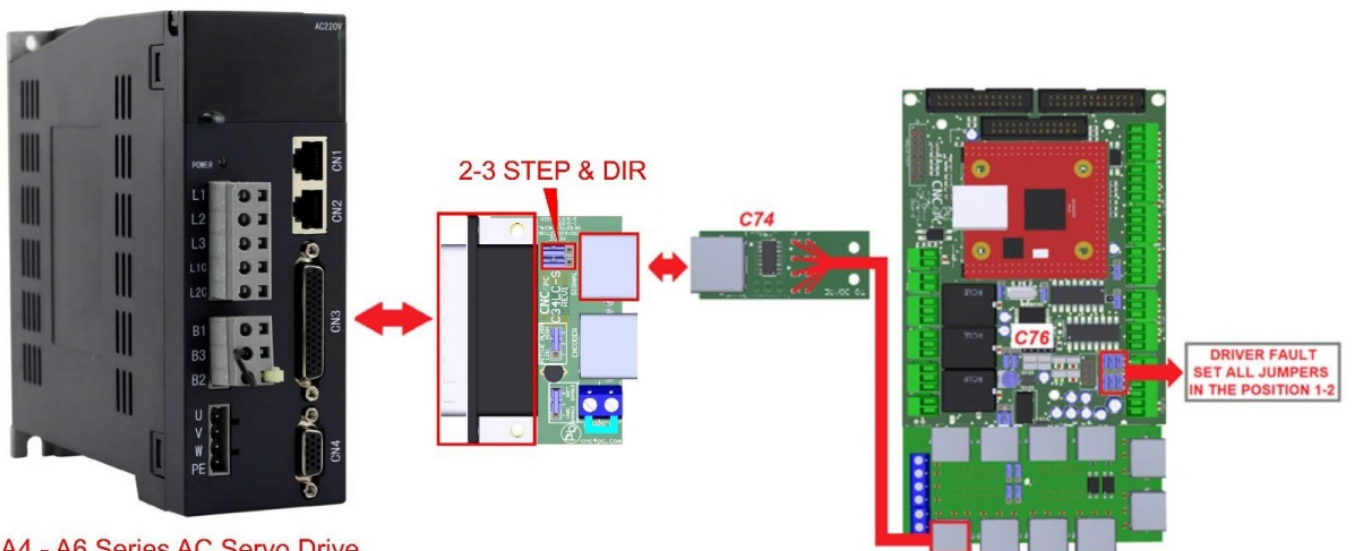
WIRING SAMPLE

Diagram of connection with input signals Step & Dir and C76.



A4 – A6 Series AC Servo Drive

Diagram of connection with input signals Differentials C74 and C76.



A4 - A6 Series AC Servo Drive

PINOUT

LICHUAN SERVO DRIVE AND C34LC-S CONNECTION		
HDM44D PIN	FUNCTION	RJ45 PIN
3	SERVO ON *	5
36	COM+	7
—	+ 5V	8
37	COM- / GND	4
8	ALARM *	5
16	DIR-	3
17	DIR+	6
1	STEP-	1
2	STEP+	2

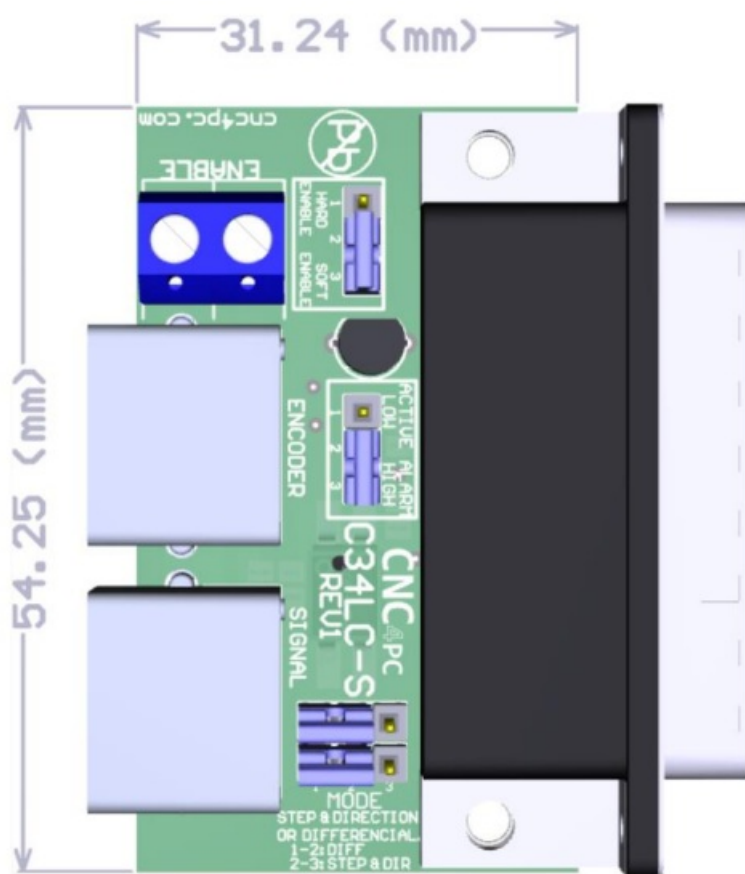
Note:

* Servo ON and Alarm signals are related to the RJ45 pin 5 of the C34LC-S board, but they are not connected directly to this pin.

RJ45 for Encoder

HDM44D PIN	RJ45 PIN	FUNCTION
24	1	GND
–	2	NC
14	3	Z-
13	4	Z+
10	5	A-
9	6	A+
12	7	B-
11	8	B+

DIMENSION




All dimensions are in Millimeters.

DISCLAIMER

Use caution. CNC machines can be dangerous machines. Neither DUNCAN USA, LLC nor Arturo Duncan are liable for any accidents resulting from the improper use of these devices. This product 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

 The image shows a CNC4PC C34LC-S R1 Special Function Board. It is a green printed circuit board (PCB) with various electronic components, including a large black integrated circuit (IC) in the center, several smaller ICs, and numerous surface-mount components. The board is populated with a variety of connectors, including a large multi-pin connector on the left and several smaller headers and connectors on the right. The text "CNC4PC" is visible in the top left corner, and "C34LC-S R1" is visible in the top right corner. The board is shown from a top-down perspective.	<p>CNC4PC C34LC-S R1 Special Function Boards [pdf] User Manual</p> <p>C34LC-S R1 Special Function Boards, C34LC-S R1, Special Function Boards, Function Boards, Boards</p>
--	--