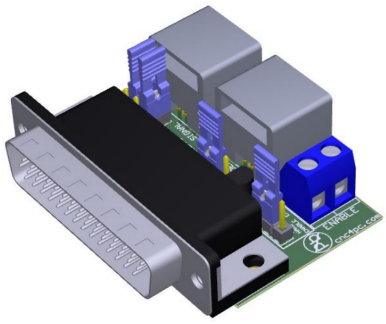
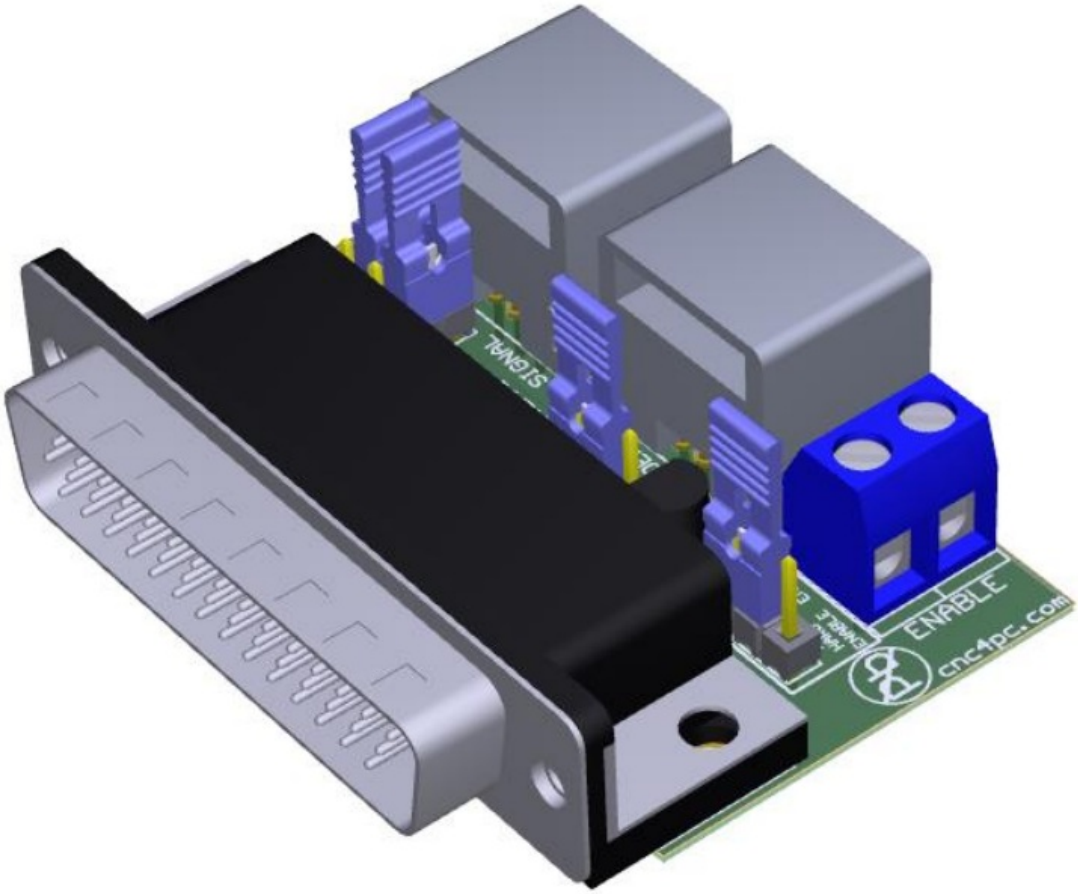


CNC4PC C34LC-S R1 Special Function Boards User Manual

CNC4PC C34LC-S R1 Special Function Boards



Contents

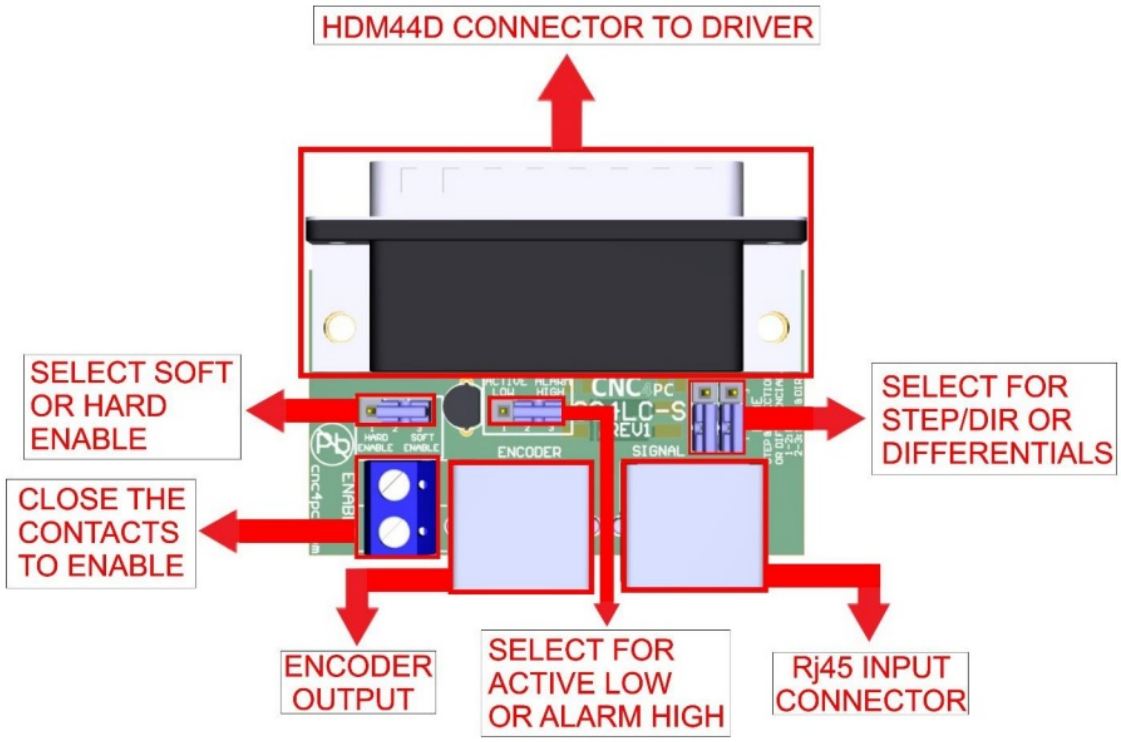
OVERVIEW

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

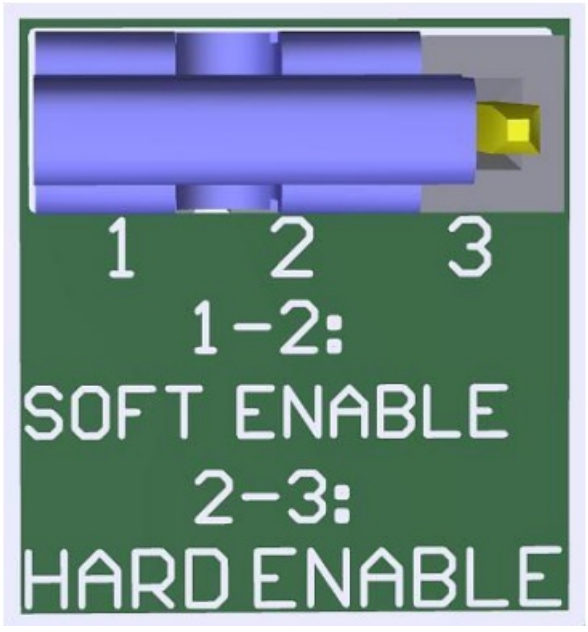
BOARD DESCRIPTION



JUMPER TO SELECT THE ENABLE

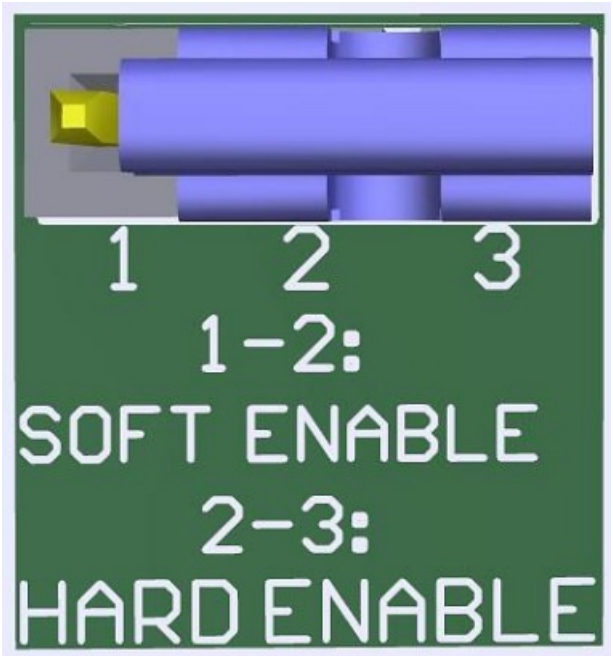
Use Software Enable to keep the driver active only while the system is active. Set of jumpers as shown in the image.

SOFT ENABLE



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

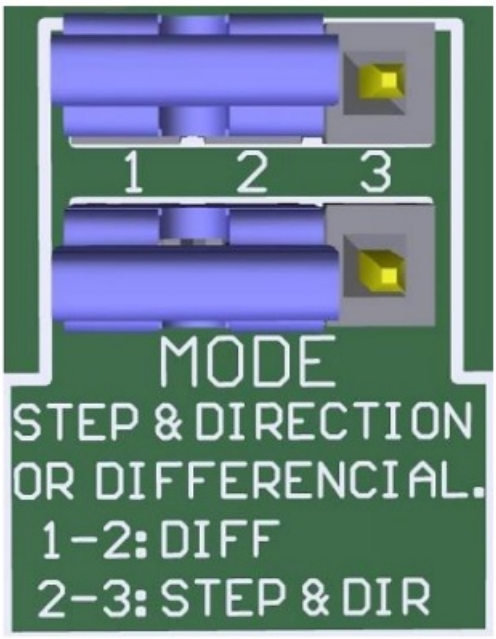
HARD ENABLE



JUMPER TO SELECT THE DIFFERENTIAL

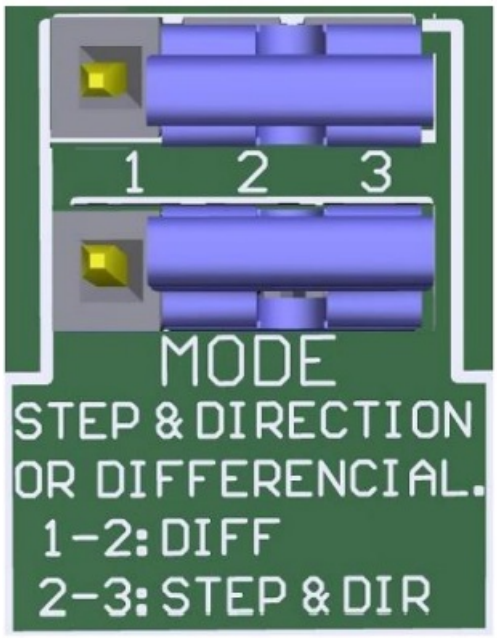
If working the inputs of STEP and DIR as differentials signals, you have to use the board, set jumper as shown in the image

DIFERENTIAL



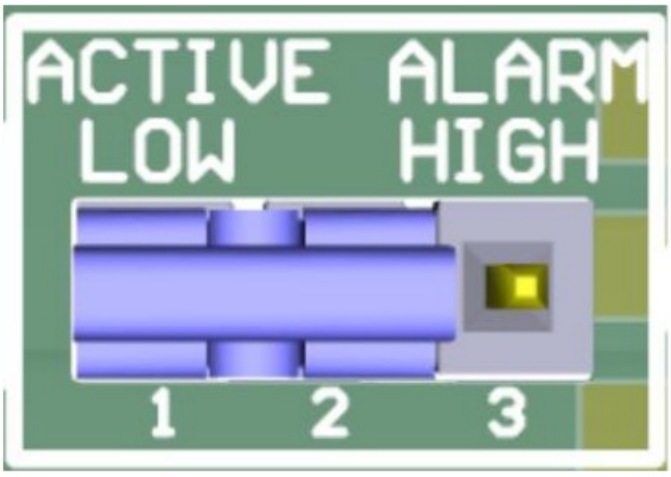
If not use the differential signal for STEP & DIR, set jumper as show in the image.

STEP & DIR

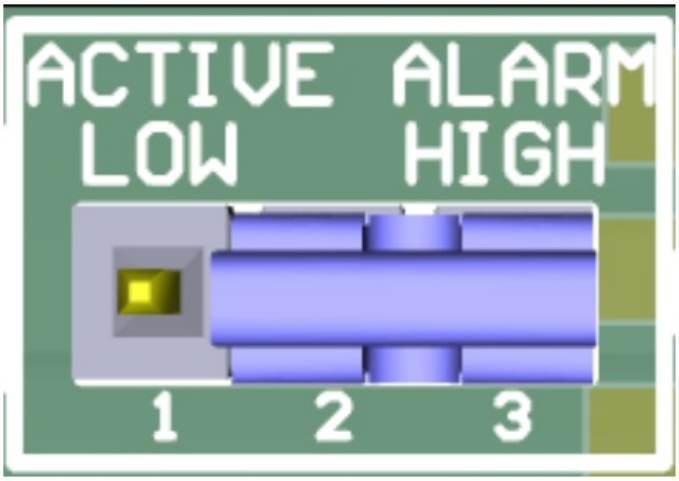


JUMPER TO SELECT ACTIVE LOW AND ACTIVE HIGH

1-2: ACTIVE LOW

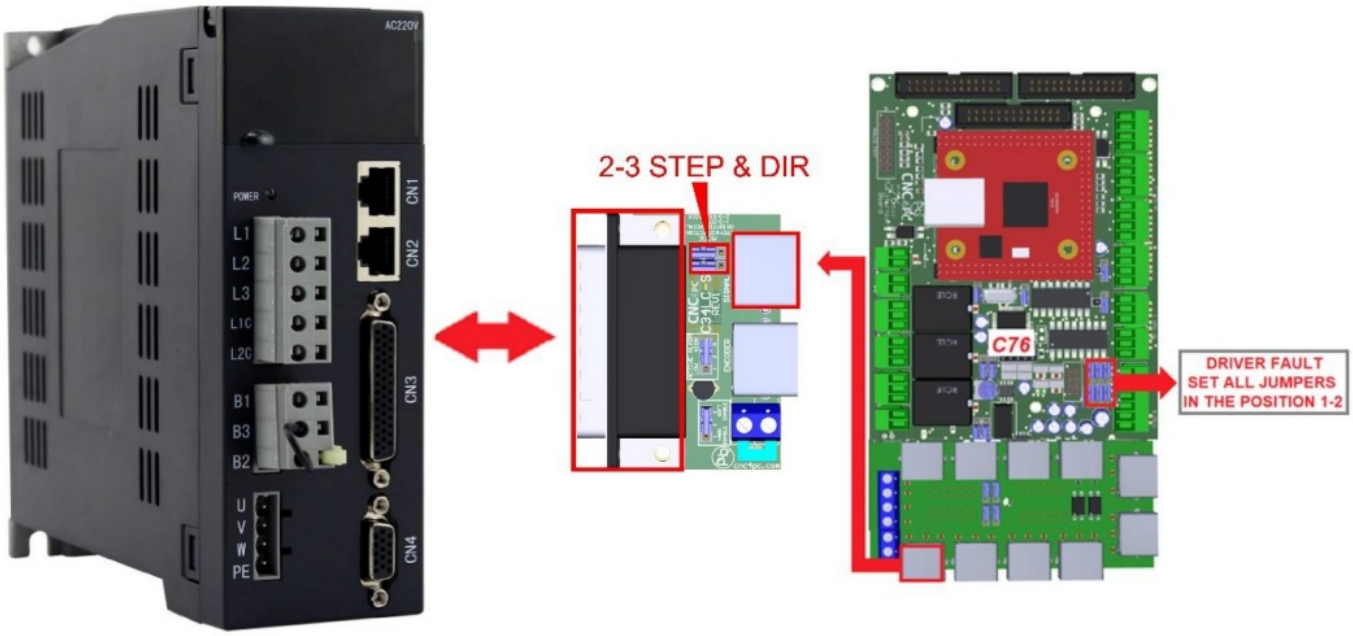


2-3: ACTIVE HIGH



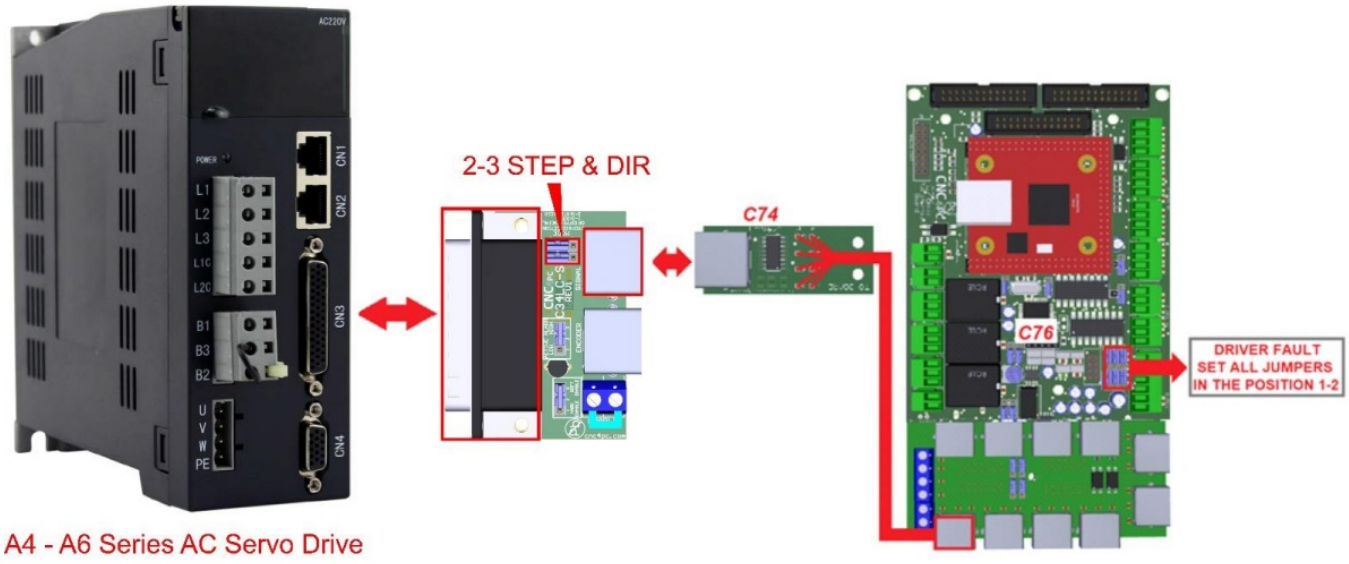
WIRING SAMPLE

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



A4 – A6 Series AC Servo Dive

Diagram of connection with input signals Differentials C74 and C76.



PINOUT

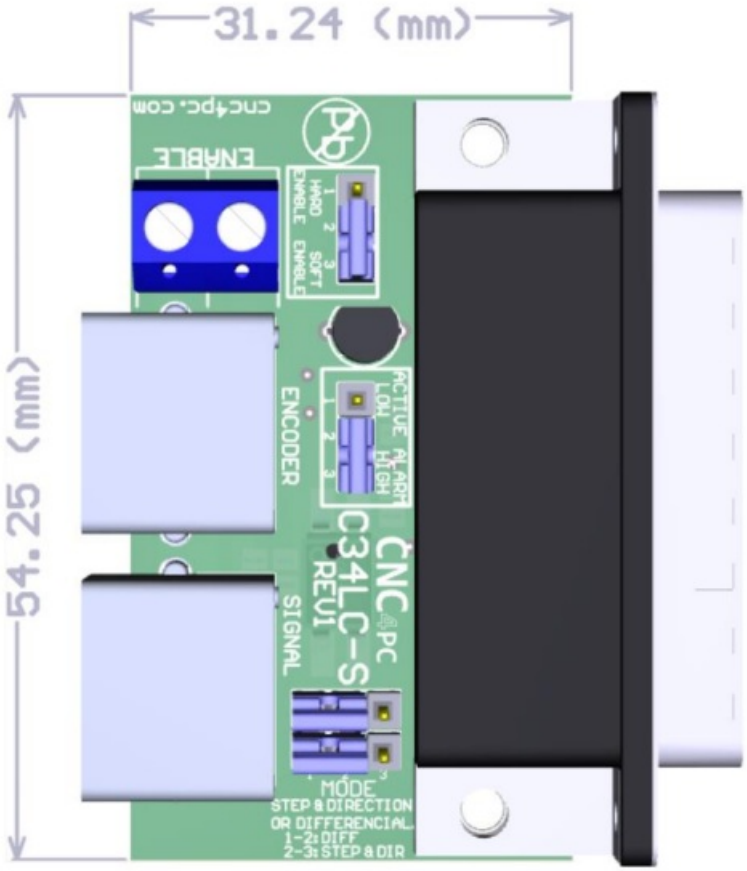
LICHUAN SERVO DRIVE AND C34LC-S CONNECTION		
HDM44D PIN	**FUNCTION**	**RJ45 PIN**
3	SERVO ON *	5
36	COM+	7
–	+ 5V	8
37	COM- / GND	4
8	ALARM *	5
16	DIR-	3
17	DIR+	6
1	STEP-	1
2	STEP+	2

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

	CNC4PC C34LC-S R1 Special Function Boards [pdf] User Manual C34LC-S R1 Special Function Boards, C34LC-S R1, Special Function Boards, Function Boards, Boards