

CNC4PC USER'S
Integration Solutions for CNC Projects **MANUAL**
VER.1.2

C72 – DIFFERENTIAL LINE DRIVER
Rev. 1.2



FEBRUARY 2020

USER'S MANUAL

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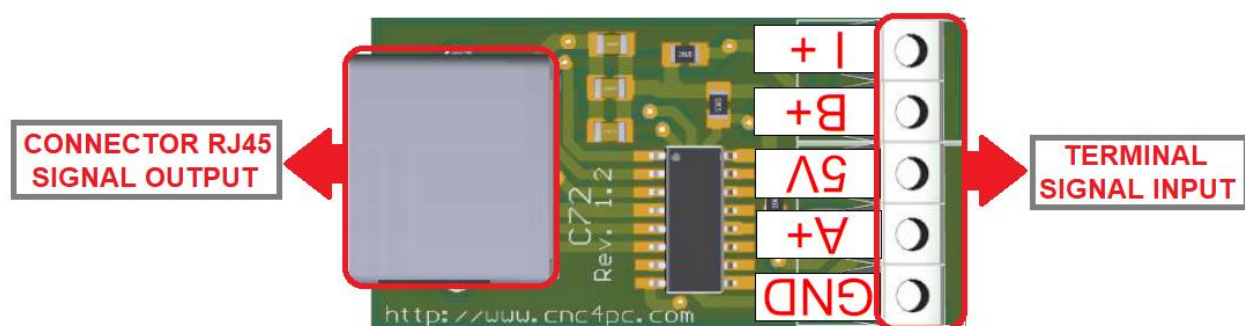
1.0 OVERVIEW

This board converts single ended signals to differential signals.

2.0 FEATURES

- Converts single ended A, B and Index channel lines to Differential A, _A, B, _B, Index, _Index lines.
- RJ45 connectors for easy connection with standard Patch cables.
- High noise immunity of incoming lines from the Board.
- Push-Lock connections for all terminals.

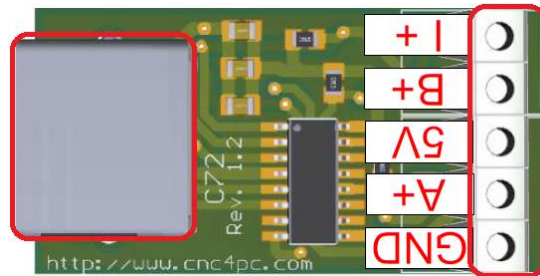
3.0 BOARD DESCRIPTION



4.0 PINOUT

Connector RJ45

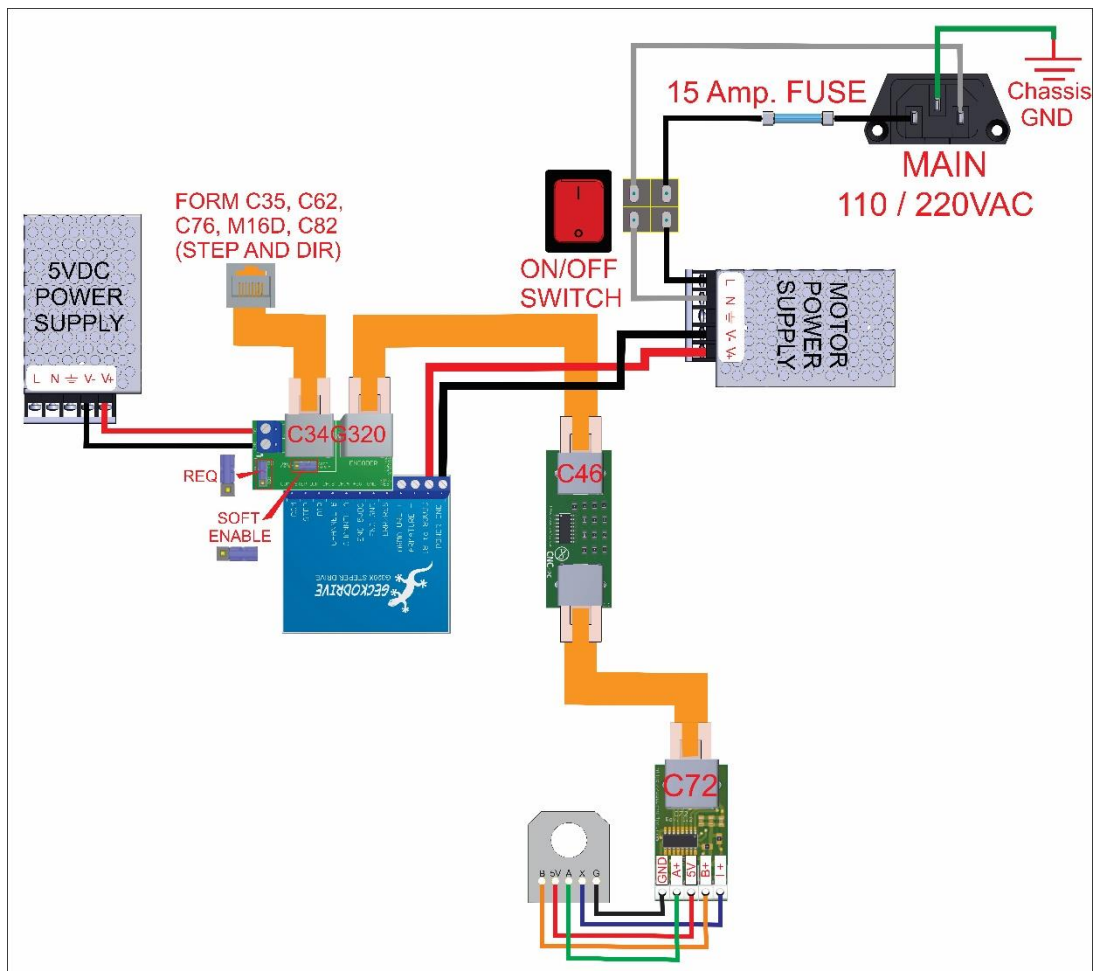
RJ45 Signal Output	
RJ45 PIN	Function
1	GND
2	5V
3	Index -
4	Index +
5	A Channel -
6	A Channel +
7	B Channel -
8	B Channel +



Terminal

TERMINAL SIGNAL INPUT	
Terminal PIN	Function
1	GND
2	A Channel
3	5V
4	B Channel
5	I Index

5.0 WIRING DIAGRAMS



C72

C72 SIGNAL OUTPUT. RJ45	
RJ45 PIN	FUNCTION
1	GND
2	5V
3	Index -
4	Index +
5	A Channel -
6	A Channel +
7	B Channel -
8	B Channel +

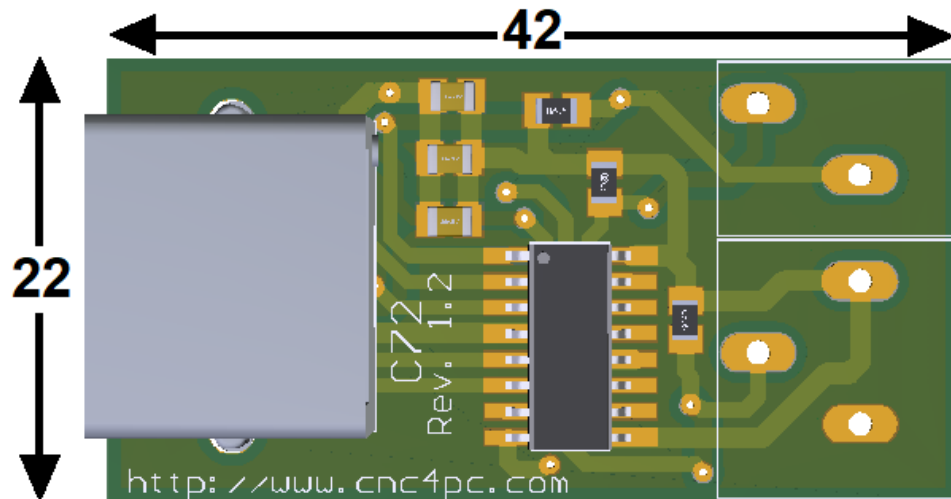
C34G320 STEP & DIR

C34G320 Step and Dir. RJ45	
RJ45 PIN	FUNCTION
1	NOT USED
2	STEP
3	NOT USED
4	GND
5	ERR/RES
6	DIR
7	NOT USED
8	5V

C34G320 ENCODER

C34G320 ENCODER. RJ45	
RJ45 PIN	FUNCTION
1	GND
2	5V
3	NOT USED
4	NOT USED
5	NOT USED
6	A Channel
7	NOT USED
8	B Channel

6.0 DIMENSIONS



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.