



**USER'S
MANUAL
VER.1**

C34DG4S BOARD Rev. 1.1



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USER'S MANUAL

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1.0 OVERVIEW

This board interface is used for the connection between C62 and DG4S-08020, DG4S-16035 drivers.

2.0 FEATURES

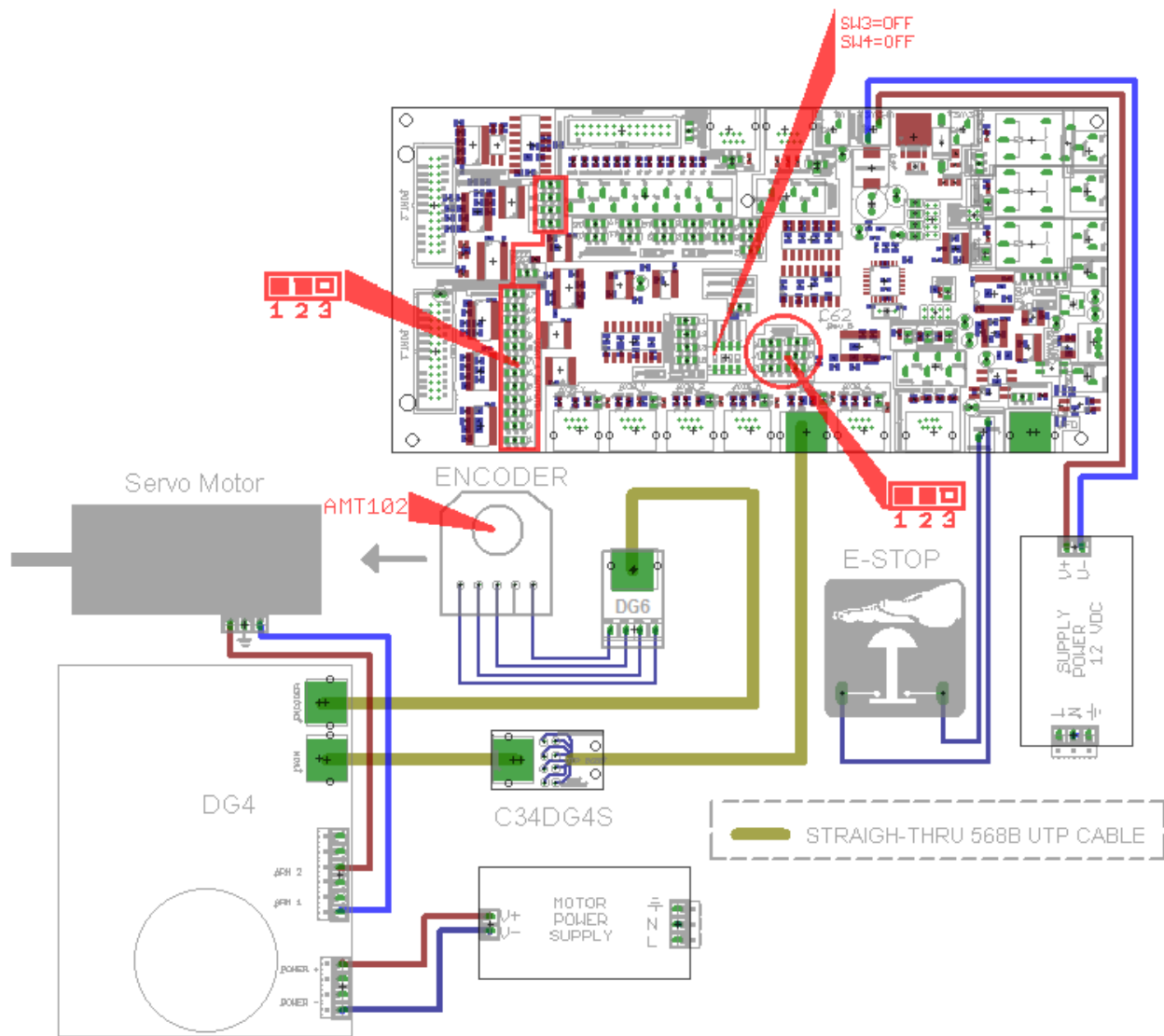
- *RJ45 Driver Output Connector*
- *UTP 568B Cable for Connection at Axes.*

3.0 PINOUT



C34DG4S AND DRIVER DG4S		
TO DRIVER	FUNCTION	TO MOTHERBOARD
RJ45 Pins	Function	RJ45 Pins
1	STEP SIGNAL INPUT	2
2	DIRECTION SIGNAL INPUT	6
3	GROUND FOR STEP AND DIR	4
N/A	5V	8
5	RESET (INPUT)	5
6	ERROR (OUTPUT)	
7	DC POWER (12V DC)	7
8	DC POWER (GND)	4
COMPATIBLE DRIVER DG4S		

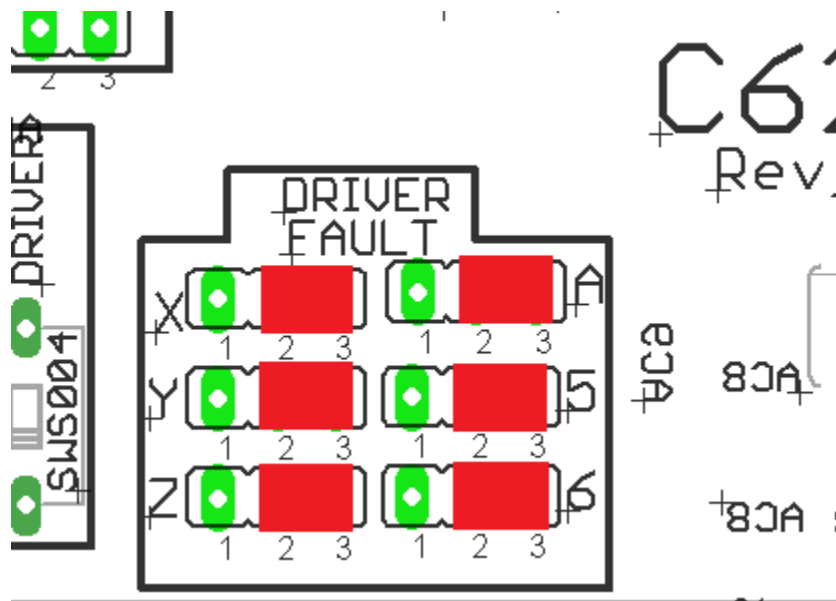
4.0 WIRING SAMPLE



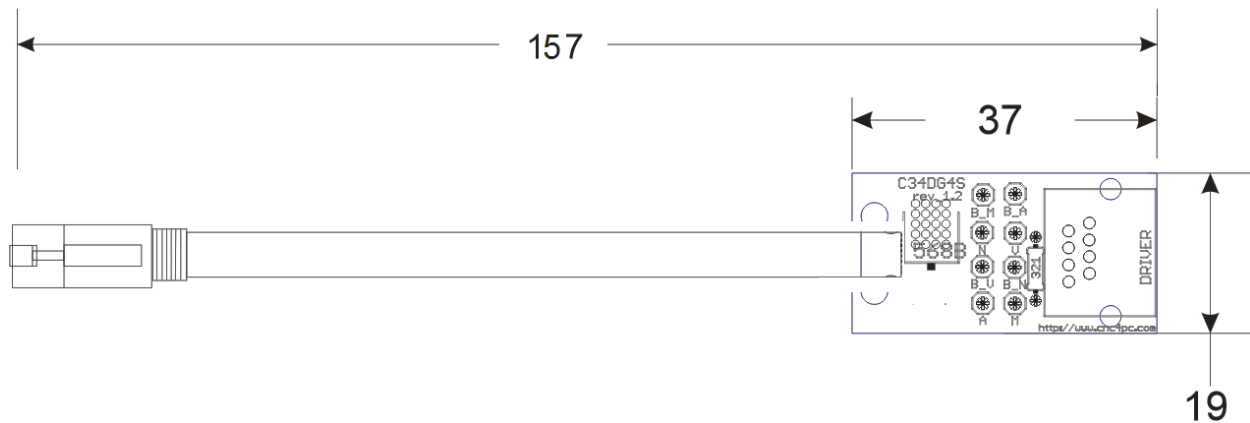
NOTE: The C62 must be powered with +12VDC only. Powering it with +24VDC may result in damage to the drive.

5.0 TIPS AND RECOMMENDATIONS

- Before attempting to tune the driver, make sure the green LEDs are blinking on the driver, indicating that there is no fault.
- Do not try to tune the drivers while having the motor connected to the machine. If it is not tuned, it may vibrate or move violently. Set it on the bench and hold it firmly so it can run free.
- To start tuning the drives, you may want to force the drivers to enable by setting jumpers as shown in the image bellow. Once tuned, set then back again to the normal position. This because if the drivers are not tuned, they will probably fault the C62 preventing you from keeping them enabled in order to be tuned.



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. The C34DG4S 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.