

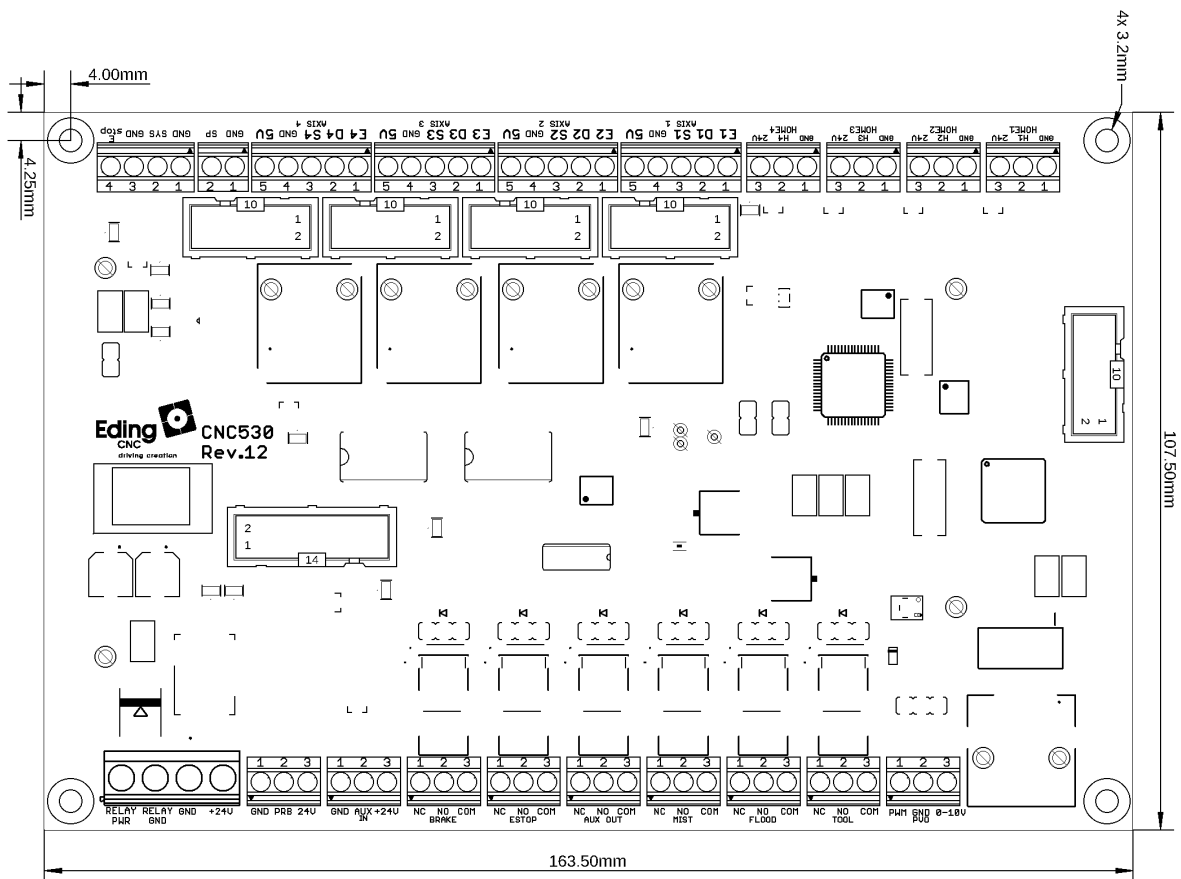
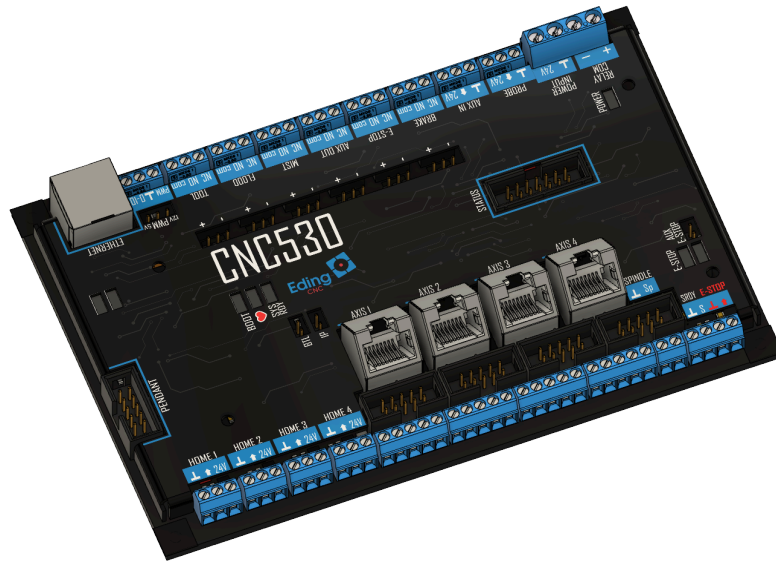
CNC530 Connections

24-7-2024

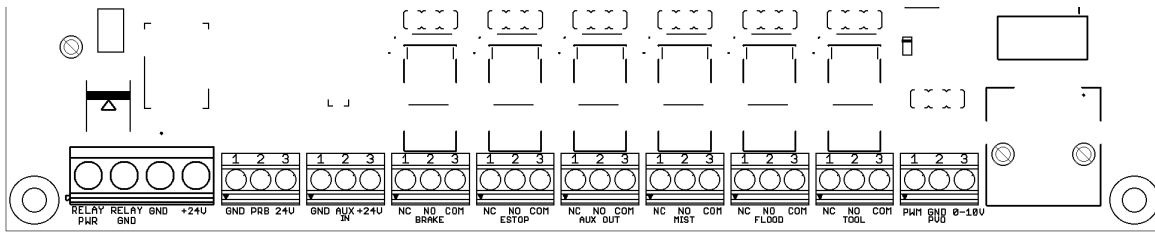
SKU 10.0016



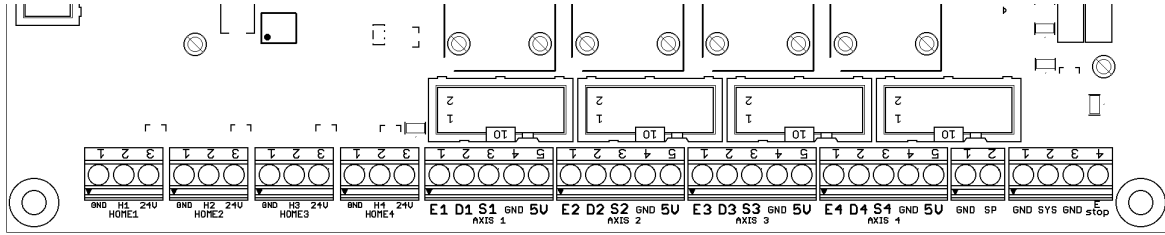
[cnc530-manual](#)



- PCB Size: 107.5mmx163.50mm
- Mounting holes: 3.2mm
- Powersupply: 24VDC/ ≥1A



CNC530 Connections #1		
PCB Text		Description
Relay PWR	Power	External power for relay COMMON connection <i>Note: Read manual first</i>
Relay GND	Ground	External ground for relay COMMON connection <i>Note: Read manual first</i>
GND		Ground
+24V	Power IN	24DC Power input
GND		Ground
PRB	Input	Probe input, max. 24V
24V		24V
GND		Ground
AUX IN	Input	AUX - Digital input 24V DC signal
24V		24V
NC	Relay	BRAKE - Normally Closed
NO	Relay	BRAKE - Normally Open
COM	Relay	BRAKE - Common
NC	Relay	E-STOP - Normally Closed
NO	Relay	E-STOP - Normally Open
COM	Relay	E-STOP - Common
NC	Relay	AUX - Normally Closed
NO	Relay	AUX - Normally Open
COM	Relay	AUX - Common
NC	Relay	MIST - Normally Closed
NO	Relay	MIST - Normally Open
COM	Relay	MIST - Common
NC	Relay	FLOOD - Normally Closed
NO	Relay	FLOOD - Normally Open
COM	Relay	FLOOD - Common
NC	Relay	TOOL - Normally Closed
NO	Relay	TOOL - Normally Open
COM	Relay	TOOL - Common
PWM	Out	PWM (Pulse Width Modulation) <i>Note: open-collector output</i>
GND		Ground
0-10V	Out	0-10V



CNC530 Connections #2		
PCB Text		Description
GND		Ground
H1	Input	Home sensor #1 input NPN-ONLY , max. 24V input
24V		24V Power
GND		Ground
H2	Input	Home sensor #2 input NPN-ONLY , max. 24V input
24V		24V Power
GND		Ground
H3	Input	Home sensor #3 input NPN-ONLY , max. 24V input
24V		24V Power
GND		Ground
H4	Input	Home sensor #4 input NPN-ONLY , max. 24V input
24V		24V Power
E1	Output	Axis 1 - Enable signal
D1	Output	Axis 1 - Direction signal
S1	Output	Axis 1 - Step signal
GND		Ground
5V		5V Power
E2	Output	Axis 2 - Enable signal
D2	Output	Axis 2 - Direction signal
S2	Output	Axis 2 - Step signal
GND		Ground
5V		5V Power
E3	Output	Axis 3 - Enable signal
D3	Output	Axis 3 - Direction signal
S3	Output	Axis 3 - Step signal
GND		Ground
5V		5V Power
E4	Output	Axis 4 - Enable signal
D4	Output	Axis 4 - Direction signal
S4	Output	Axis 4 - Step signal
GND		Ground
5V		5V Power
GND		Ground
SP	Input	Spindle Pulse
GND		Ground
SYS	Output	SysReady output <i>Note: open-collector output</i>
GND		Ground
E-STOP	Input	E-Stop input <i>Note: if input is not low the controller will remain in E-Stop mode.</i>