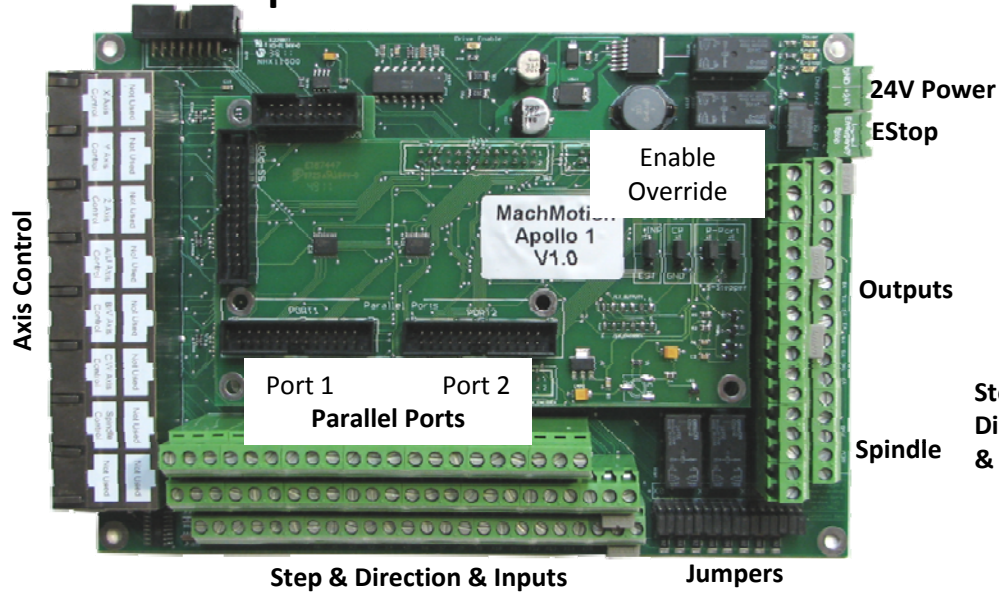
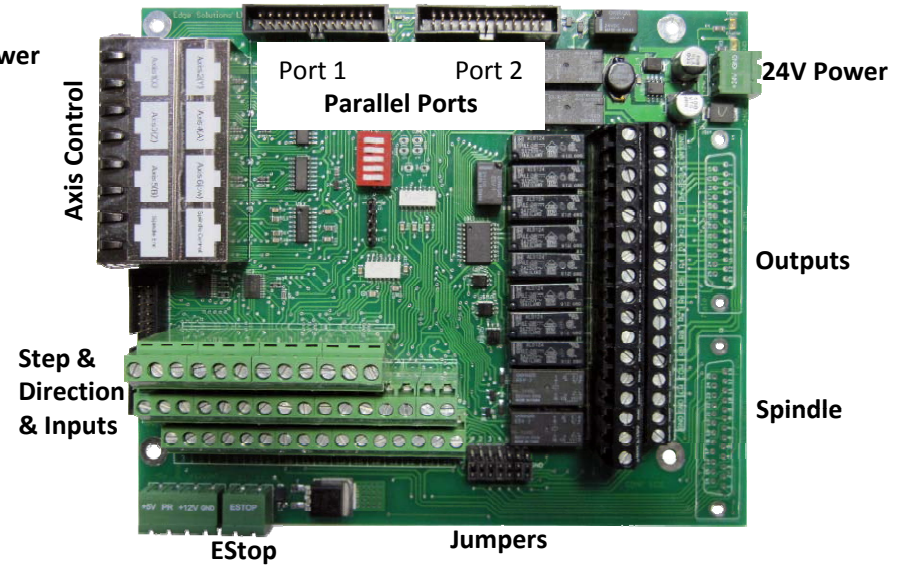


Apollo I Breakout Board



IO6 Breakout Board



Axis Control	
Apollo I	IO6
X Axis Control	Axis1(X)
Y Axis Control	Axis2(Y)
Z Axis Control	Axis3(Z)
A/U Axis Control	Axis4(A)
B/V Axis Control	Axis5(B)
C/W Axis Control	Axis6(cw)
Spindle Control	Spindle Control
Not Used*	Spindle Enc
*Use a standard input	

Enable Override
The jumper CP and GND on the Apollo I is the enable override just like switch 4 on the IO6.

Step and Direction	
Apollo I	IO6
X-D	D-2
Y-D	D-4
Z-D	D-6
A-D	D-8
B-D	D-14
C-D	D-1
X-S	S-3
Y-S	S-5
Z-S	S-7
A-S	S-9
B-S	S-16
C-S	S-17

Inputs	
Apollo I	IO6
X0	10/ER
X1	1-11
X2	1-12
X3	1-13
X4	1-15
X5	2-10
X6	2-11
X7	2-12*
X8	2-13*
Not Used**	2-15*
*5 Volt Only	
**Used for Estop	

Spindle	
Apollo I	IO6
CCW	CCW
CCW	CCW
CW	CW
CW	CW
0-10	0-10V
Not Used*	INDX
*Use a standard input	

Jumpers
Both input jumper groups start at the first input and count up consecutively.

Outputs	
Apollo I	IO6
5EN	5-EN
24EN	24-EN
EXT	EXT
SOV	SOV
Not Used	17
HEN	CP+
HEN	CP
Y0	R2+
Y1	R3+
Y2	R4+
Y3	R5+
C0+	R2, R3, R4, R5
Y4	R6+
Y5	R7+
Y6	R8+
Y7	R9+
C1+	R6, R7, R8, R9