PORT 1	DIR	ACTIVE HIGH/LOW	ALIAS OR NAME
PIN 1	OUT	HIGH	MOTOR ENABLE
PIN 2	OUT	HIGH	X STEP
PIN 3	OUT	HIGH	X DIR
PIN 4	OUT	HIGH	Y STEP
PIN 5	OUT	HIGH	Y DIR
PIN 6	OUT	HIGH	Z STEP
PIN 7	OUT	HIGH	Z DIR
PIN 8	OUT	HIGH	
PIN 9	OUT	HIGH	
PIN 10	IN	HIGH	HLFB
PIN 11	IN	HIGH	Z HOME SWITCH
PIN 12	IN	HIGH	
PIN 13	IN	HIGH	X HOME SWITCH
PIN 14	OUT	HIGH	
PIN 15	IN	HIGH	
PIN 16	OUT	HIGH	SPINDLE PWM
PIN 17	OUT	HIGH	SPINDLE DIR
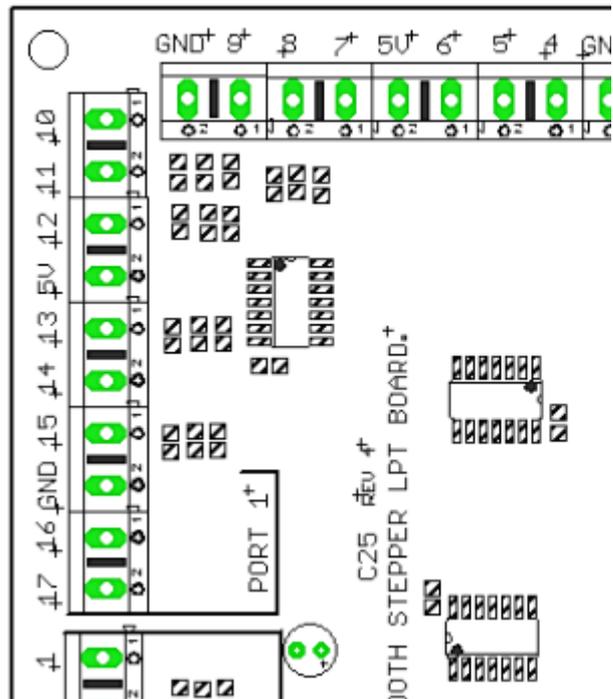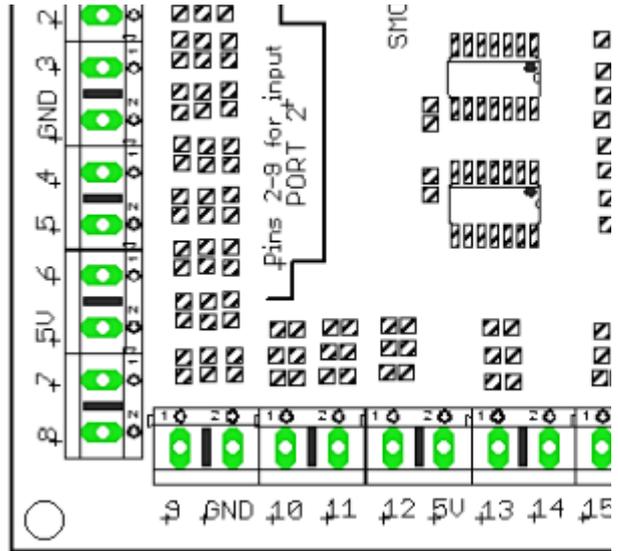
PORT 2	DIR	ACTIVE HIGH/LOW	ALIAS OR NAME
PIN 1	OUT	HIGH	LED +
PIN 2	IN	HIGH	E-STOP
PIN 3	IN	LOW	SPEED SWITCH X1
PIN 4	IN	LOW	SPEED SWITCH X10
PIN 5	IN	LOW	SPEED SWITCH X100
PIN 6	IN	LOW	AXIS SWITCH X POS
PIN 7	IN	LOW	AXIS SWITCH Y POS
PIN 8	IN	LOW	AXIS SWITCH Z POS
PIN 9	IN	LOW	AXIS SWITCH 4 POS
PIN 10	IN	HIGH	MPG PHASE A+
PIN 11	IN	HIGH	MPG PHASE B+
PIN 12	IN	HIGH	ORANGE WIRE??
PIN 13	IN	HIGH	Y HOME SWITCH
PIN 14	OUT	HIGH	
PIN 15	IN	HIGH	PROBE
PIN 16	OUT	HIGH	
PIN 17	OUT	HIGH	

SMOOTH
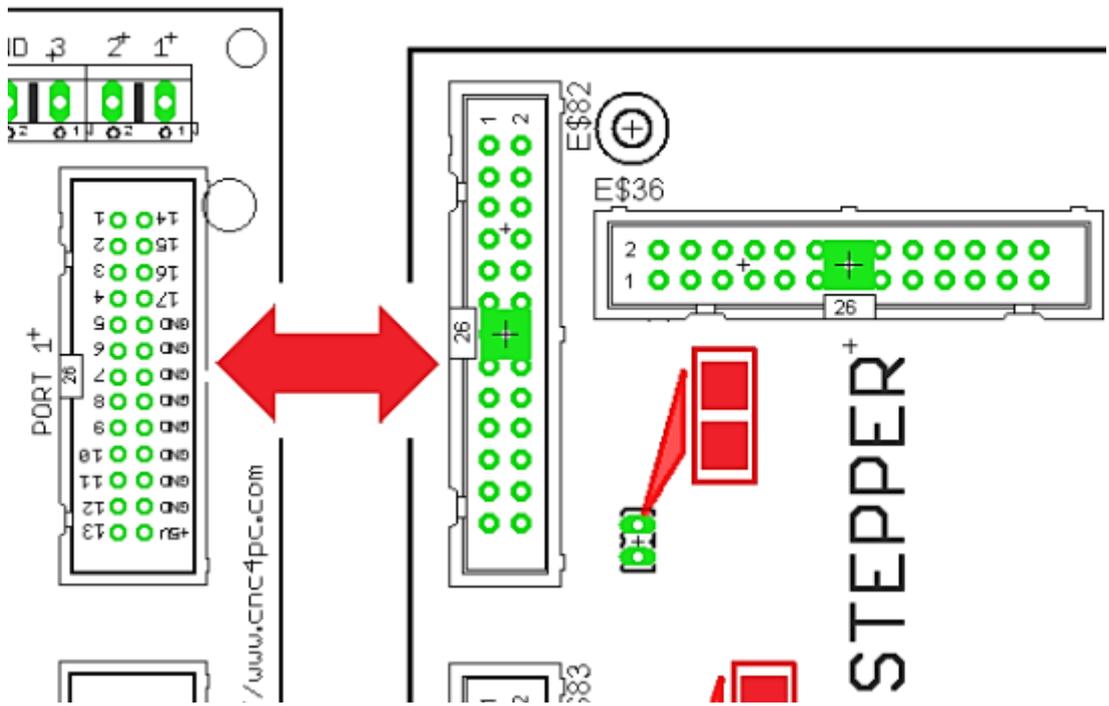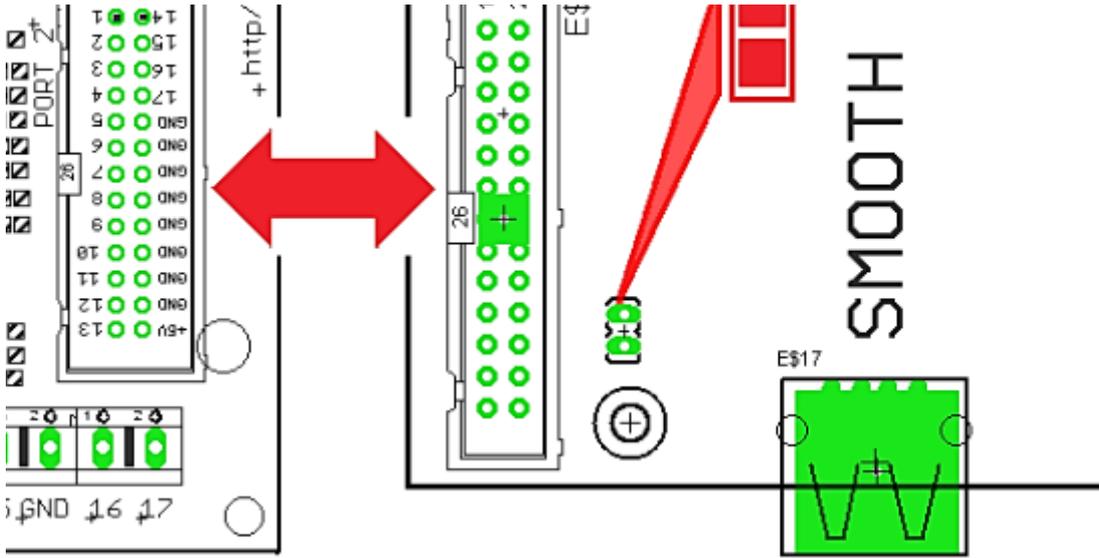
PORT 3	DIR	ACTIVE HIGH/LOW	ALIAS OR NAME
PIN 1	OUT	HIGH	
PIN 2	IN	HIGH	
PIN 3	IN	HIGH	
PIN 4	IN	HIGH	
PIN 5	IN	HIGH	
PIN 6	IN	HIGH	
PIN 7	IN	HIGH	
PIN 8	IN	HIGH	
PIN 9	IN	HIGH	
PIN 10	IN	HIGH	
PIN 11	IN	HIGH	
PIN 12	IN	HIGH	
PIN 13	IN	HIGH	
PIN 14	OUT	HIGH	
PIN 15	IN	HIGH	
PIN 16	OUT	HIGH	
PIN 17	OUT	HIGH	