

**E128 24 pin** Ribbon Cable >>>

Button Pusher 2	PU7	1	24		
Button Pusher 1	PU6	2	23	GND	
Right Beacon Detector	PT0	3	22	PU5	Turret PWM 2
Right Beacon Detector	PT1	4	21	PU4	Button Pusher PWM
Left Beacon Detector	PT2	5	20	PU3	PWM Right Wheel 2
Left Beacon Detector	PT3	6	19	PU2	PWM Right Wheel 1
Main Timer OtpComp	PT4	7	18	PU1	PWM Left Wheel 2
Beacon Averaging Int	PT5	8	17	PU0	PWM Left Wheel 1
open timer line	PT6	9	16	PE7	
	PE0	10	15	PT7	open timer line
		11	14	PE1	
		12	13		

<<< Ribbon Cable

**E128 20 pin**

	GND	1	20	GND	
	PS2	2	19	PP5	Tape Measure In 2
	PS3	3	18	PP4	Tape Measure In 1
	PP2	4	17	PP3	Turret Non-PWM
Button Limit Switch	PP0	5	16	PP1	<b>BROKEN</b>
Left Tape Sensor	PAD0	6	15	PAD4	Left Turret Limit Switch (digital)
Right Tape Sensor	PAD1	7	14	PAD5 (I only)	Right Turret Limit Switch (digital)
Center Tape Sensor	PAD2	8	13	PAD6 (I only)	Turret Tape Sensor (Analog)
Flash Sensor	PAD3	9	12	PAD7 (I only)	
	GND	10	11	GND	

ribbon

**E128 5 pin**

SS	PS7	5
SCK	PS6	4
	GND	3
MOSI	PS5	2
MISO	PS4	1