

Pin Number:	Digital:	PWM:	Analog:	Comms:	Interrupt:	Other:	Notes:	My Use:	Big Display:	Small Display:	
MOSI				1		Master Out Slave In	Transmit TO Peripherals	Transmit TO Peripherals	SDA	SDA	<input checked="" type="checkbox"/>
SS						RX LED & Slave Select Pin	Slave Select - LOW to select, HIGH to disable	No Use			<input type="checkbox"/>
TX (1)				1	1		Transmit TTL Serial	Enable Side Display	CS		<input checked="" type="checkbox"/>
RX (0)				1	1		Receive TTL Serial	Guillotine Sensor			<input checked="" type="checkbox"/>
RST						Reset		No Use			<input type="checkbox"/>
GND						Ground		Ground Connection			<input checked="" type="checkbox"/>
2	1			1	1		Support TWI comms	Primary Trigger			<input checked="" type="checkbox"/>
3	1			1	1		Support TWI comms	Rev Trigger			<input checked="" type="checkbox"/>
4	1	1	1					Guillotine Braking Activation			<input checked="" type="checkbox"/>
5	1	1						Pusher Braking Activation			<input checked="" type="checkbox"/>
6	1	1	1					Loader Braking Activation			<input checked="" type="checkbox"/>
7	1				1			Guillotine Return Sensor			<input checked="" type="checkbox"/>
8	1		1					Loader Sensor			<input checked="" type="checkbox"/>
9	1	1	1					Flywheel Activation			<input checked="" type="checkbox"/>
10	1	1	1					Guillotine Activation			<input checked="" type="checkbox"/>
11	1	1						Loader Activation			<input checked="" type="checkbox"/>
12	1	1	1					Pusher Activation			<input checked="" type="checkbox"/>
13	1	1				Built-in LED		Display Backlight	LED		<input checked="" type="checkbox"/>
3V						3.3V Supply	MAX DRAW: 50mA	IR LED Power			<input checked="" type="checkbox"/>
REF						Analog Reference Voltage	Use with Analog Pins	No Use			<input type="checkbox"/>
A0	1		1				Pin 14	Magazine Sensor			<input checked="" type="checkbox"/>
A1	1		1				Pin 15	Drum Sensor			<input checked="" type="checkbox"/>
A2	1		1				Pin 16	IR Dart Sensor			<input checked="" type="checkbox"/>
A3	1		1				Pin 17	Foregrip Buttons			<input checked="" type="checkbox"/>
A4	1		1				Pin 18	Programming Buttons			<input checked="" type="checkbox"/>
A5	1		1				Pin 19	Pusher Return			<input checked="" type="checkbox"/>
5V						5V Supply		5V supply to Both Displays	VCC	VCC	<input checked="" type="checkbox"/>
RST						Reset		Reset on 1.6" Display	RESET		<input checked="" type="checkbox"/>
GND						Ground		GND	GND	GND	<input checked="" type="checkbox"/>
VI							Voltage Supply for Arduino	Battery Positive			<input checked="" type="checkbox"/>
MISO				1		Master In Slave Out	Transmit FROM Peripherals	No Use			<input type="checkbox"/>
SCK				1		Serial Clock	Synchronization Clock	Synchronization Clock (to all displays)	SCK	SCL	<input checked="" type="checkbox"/>