

# Arduino Mega pin allocation for the Powderbed printer

subject to change

5V			5V
Go signal from PC	22	23	
>Btn_Fbin_Up	24	25	
>Btn_Fbin_Dwn	26	27	
>Btn_Pbin_Up	28	29	Paper sense
>Btn_Pbin_Dwn	30	31	Solenoid
>Btn_Rc_Left	32	33	Recoat Motor Enable
>Btn_Rc_Right	34	35	Recoat Motor
	36	37	Recoat Motor
>Btn_Man_Auto	38	39	Stepper Feed bin
>Ls_Rc_Left	40	41	Stepper Feed bin
>Ls_Rc_Mid	42	43	Stepper Feed bin
>Ls_Rc_Right	44	45	Stepper Feed bin
>Ls_Pbin_Top	46	47	Stepper Part bin
>Ls_Pbin_Btm	48	49	Stepper Part bin
>Ls_Fbin_Top	50	51	Stepper Part bin
>Ls_Fbin_Btm	52	53	Stepper Part bin
GND			GND

Pin 2 pwm for recoat motor speed



pin 1 Analog for potentiometer