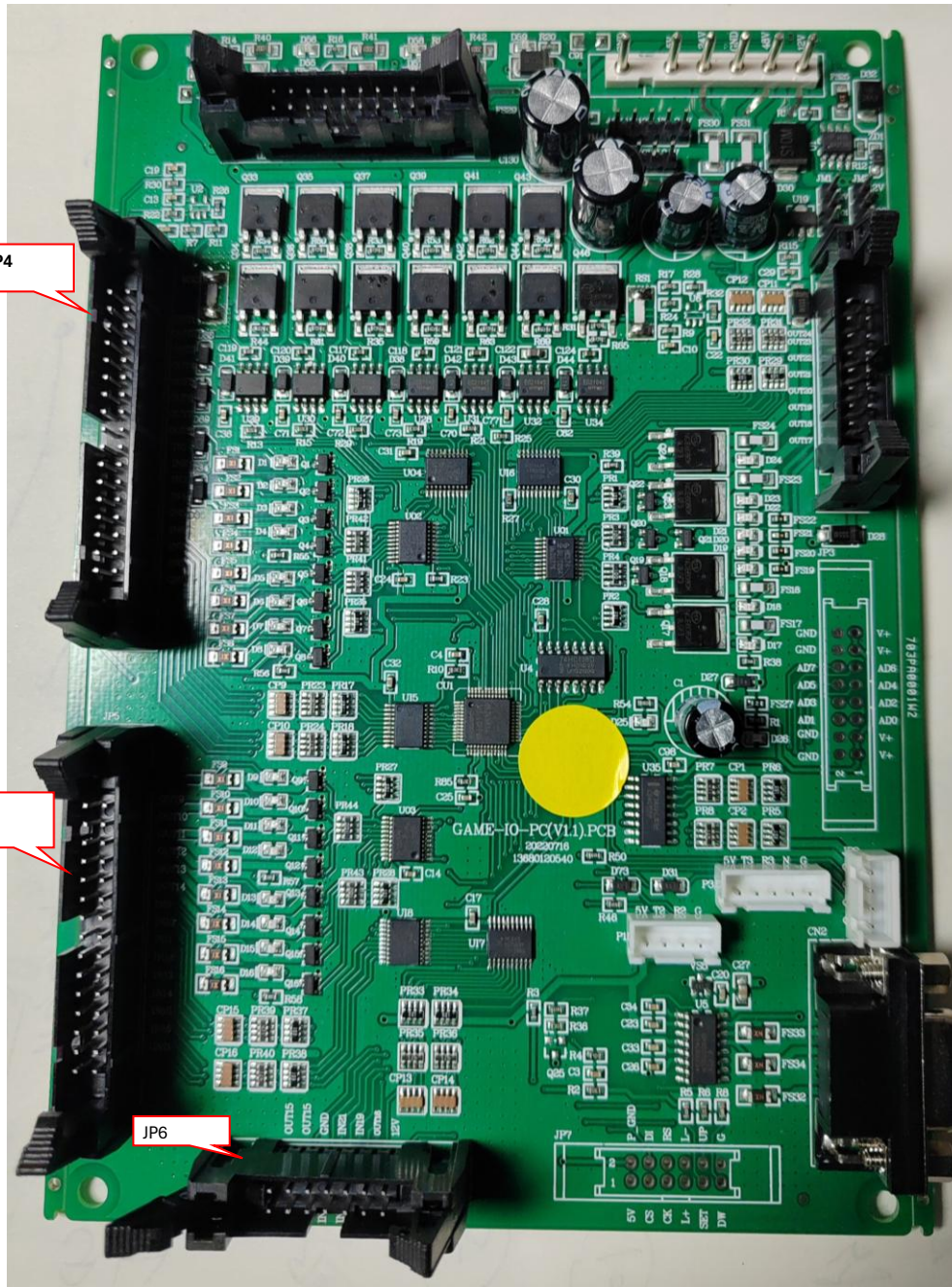


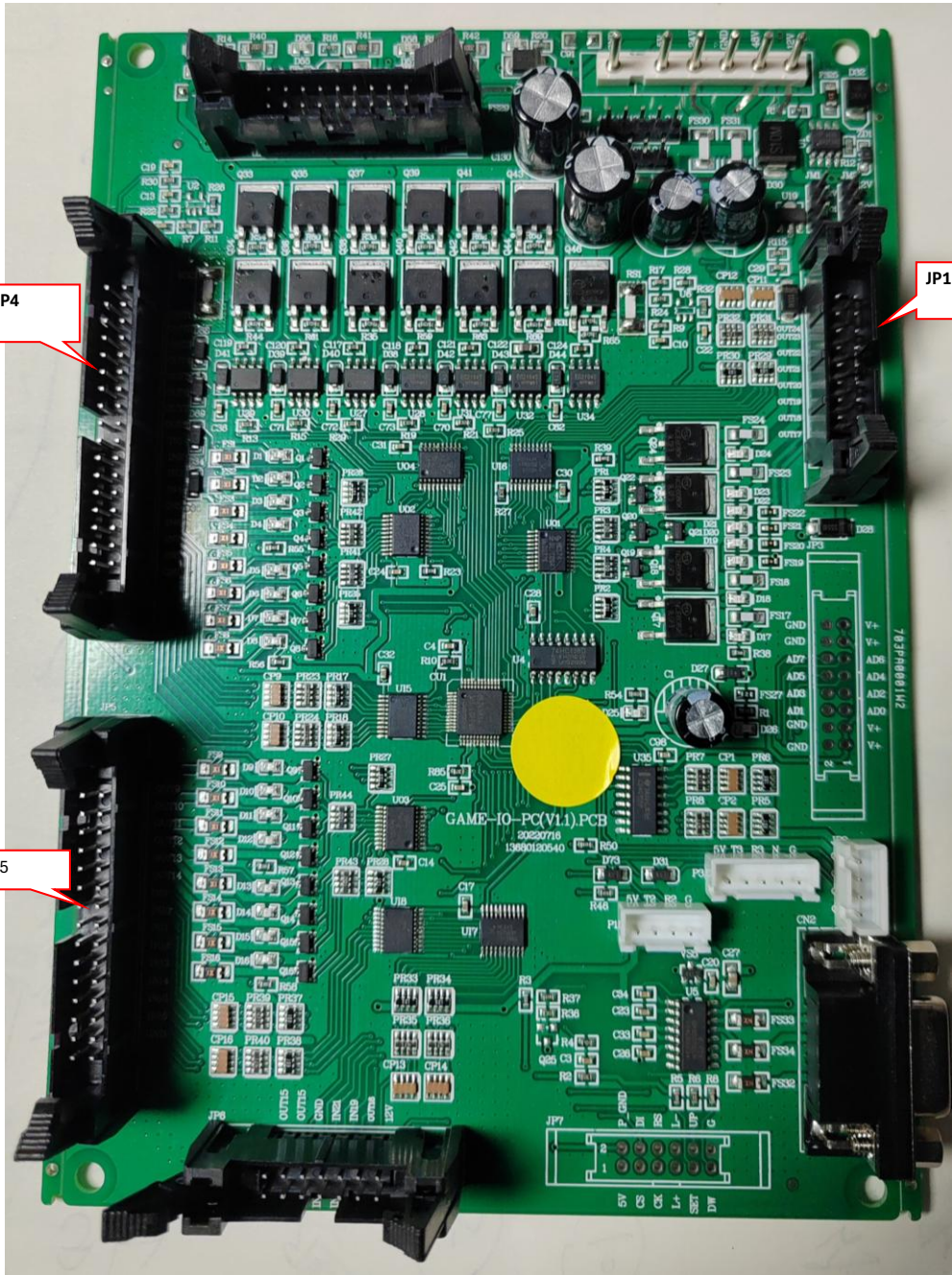
MAIN BOARD INPUTS



MAIN BOARD INPUTS

CANNONBALL DROP INPUTS			
IC	INPUT #	CONTENT	PICTURE
JP4	1	COIN / CREDIT SIGNAL	SEE ABOVE
	2	BILL ACCEPTOR CREDIT SIGNAL	
	3	TICKET RESET SIGNAL	
	4	TICKET FEEDBACK SIGNAL # 1	
	5	TICKET FEEDBACK SIGNAL # 2	
	6	FIRE SWITCH (BALL DROP)	
	7		
	8	SCORE SENSOR 1-1	
JP5	9	SCORE SENSOR 1-2	SEE ABOVE
	10	SCORE SENSOR 1-3	
	11	SCORE SENSOR 1-4	
	12	SCORE SENSOR 1-5	
	13	SCORE SENSOR 1-6	
	14	SCORE SENSOR 1-7	
	15	SCORE SENSOR 1-8	
	16	SCORE SENSOR 1-9	
JP6	17		
	18		
	19		
	20		
	21		
	22		
	23		
	24		

MAIN BOARD OUTPUTS

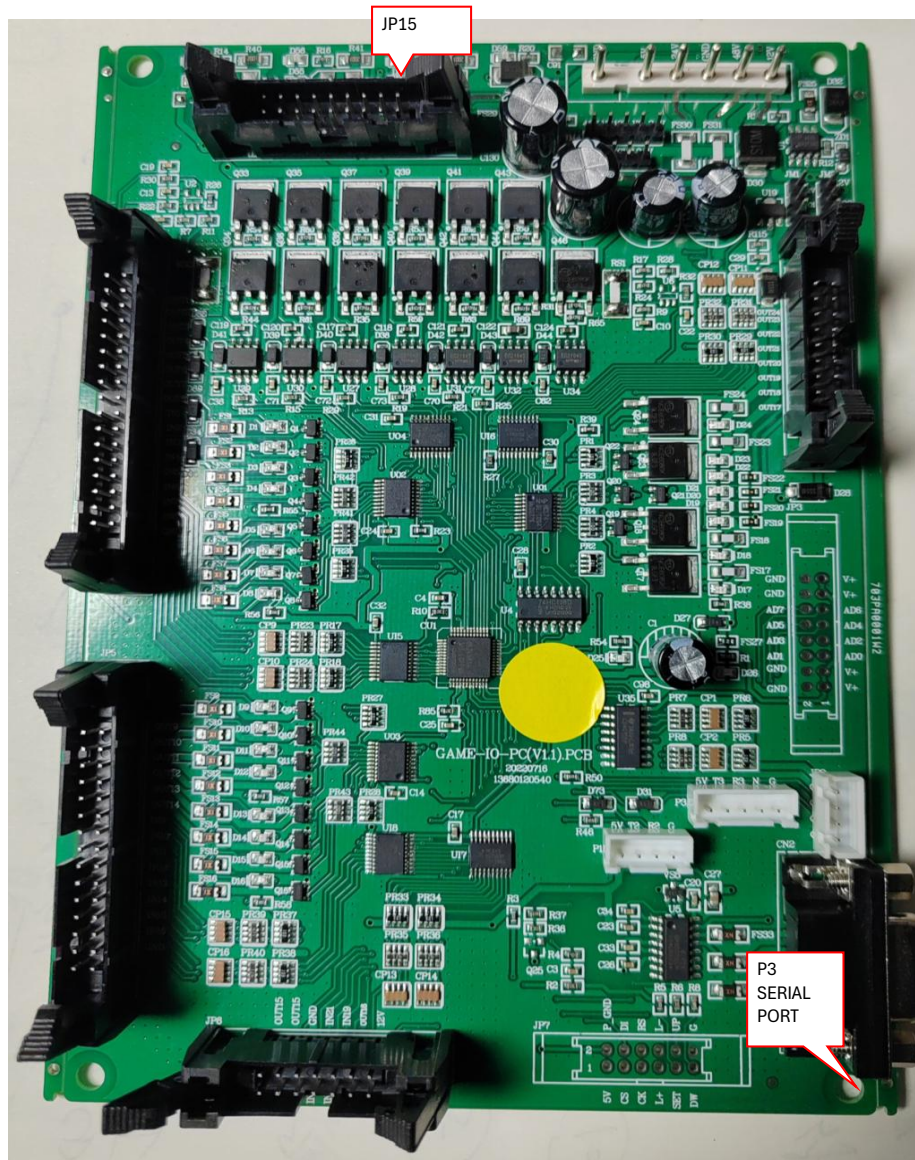


MAIN BOARD OUTPUTS

CANNONBALL DROP - MAIN BOARD OUTPUT CHART

IC	OUTPUT #	CONTENT	PICTURE
JP4	1	COIN COUNTER	SEE ABOVE
	2	TICKET COUNTER	
	3	TICKET DRIVER - 1	
	4	TICKET DRIVER - 2	
	5	SCORE LAMP - 1	
	6	SCORE LAMP - 2	
	7	SCORE LAMP - 3	
	8	SCORE LAMP - 4	
JP5	9	SCORE LAMP - 5	SEE ABOVE
	10	SCORE LAMP - 6	
	11	SCORE LAMP - 7	
	12	SCORE LAMP - 8	
	13		
	14	BALL LIFT BLOWER (MAIN)	
	15		
	16		
JP1	17	COLLECTION BALL BLOWER (SMALL)	SEE ABOVE
	18	LED LIGHTS - R	
	19	CANNON BARREL LIGHT	
	20		
	21		
	22		
	23	LED LIGHTS - G	
	24	LED LIGHTS - B	

MAIN BOARD - STEPPER MOTOR AND ANGLE CONTROLS



MAIN BOARD - STEPPER MOTOR AND ANGLE CONTROLS

CANNONBALL DROP - CONNECTOR BIT NUMBER				
IC	OUTPUT #	CONTENT	PICTURE	
JP15	1	PRRATE MOTOR +	SEE ABOVE	
	2	PIRATE MOTOR -		
	3	FLAG BLOWER +		
	4	FLAG BLOWER -		
	5	FIRING ELETROMAGNET +		
	6	FIRING ELECTROMAGNET -		
	7	LOWER BALL ELECTROMAGNET +		
	8	LOWER BALL ELECTROMAGNET -		
JP15	9	LOWER BALL SW	SEE ABOVE	
	10	CANNON LEFT LIMIT SENSOR		
	11	CANNON RIGHT LIMIT SENSOR		
	12			
	13	PIRATE MOTOR SENSOR		
	14			
	15			
	16			
JP7	1	CANNON STEPPER MOTOR DRIVE 5V	5V	SEE ABOVE
	2	CANNON STEPPER MOTOR DRIVE PULSE	P_GND	
	3	CANNON STEPPER MOTOR DRIVE ENABLED	CS	
	4		DI	
	5		CK	
	6	CANNON STEPPER MOTOR DRIVE DIR	RS	
	7		L+	
	8		L-	
	9	ENTER MENU BUTTON	SET	
	10	INCREASE MENU BUTTON	UP	
	11	DECREASE MENU BUTTON	DW	
	12		G	
P3 (SERIAL PORT)	1	CANNON ANGLE SENSOR 5V	SEE ABOVE	
	2	CANNON ANGLE SENSOR TX		
	3	CANNON ANGLE SENSOR RD		
	4	NC		
	5	CANNON ANGLE SENSOR GND		