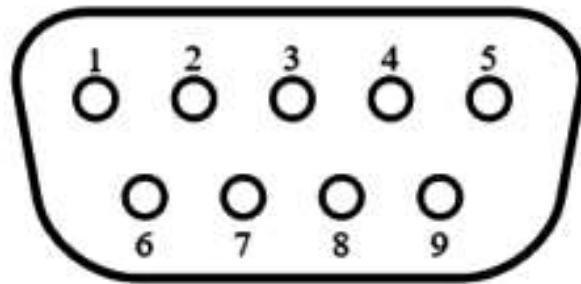


Joystick Connectors



Pin	Description	Function
1.	JOY0	Up
2.	JOY1	Down
3.	JOY2	Left
4.	JOY3	Right
5.	POT Y	
6.	BUTTON LP	Fire Button
7.	+5 Volt	
8.	Ground	
9.	POT X	

9111 37137 Port A output register
(PA0) Bit 0=Serial CLK IN
(PA1) Bit 1=Serial DATA IN
(PA2) Bit 2=Joy 0
(PA3) Bit 3=Joy 1
(PA4) Bit 4=Joy 2
(PA5) Bit 5= Lightpen/Fire button
(PA6) Bit 6=Cassette switch sense
(PA7) Bit 7=Serial ATN out

9120 37152 Port B output register
keyboard column scan
(PB3) Bit 3 =cassette write line
(PB7) Bit 7 =Joy 3