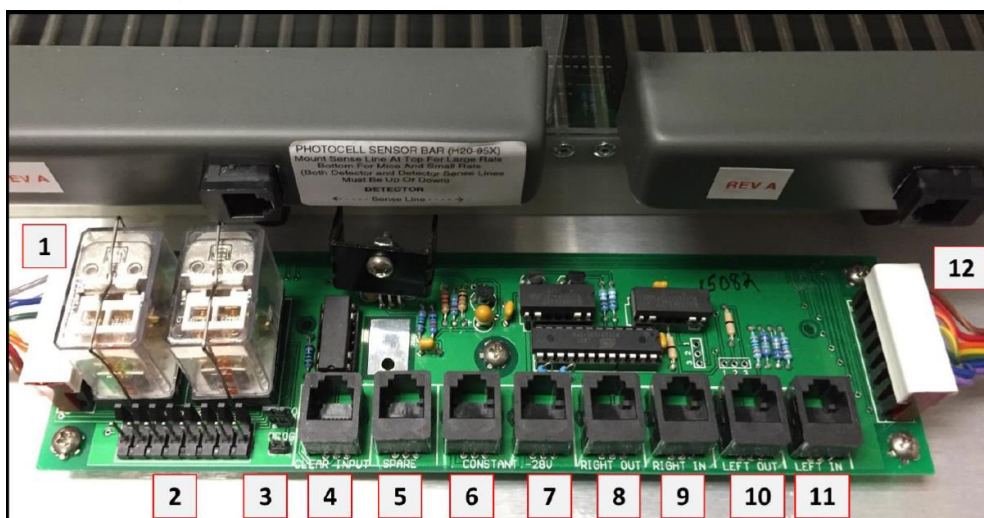
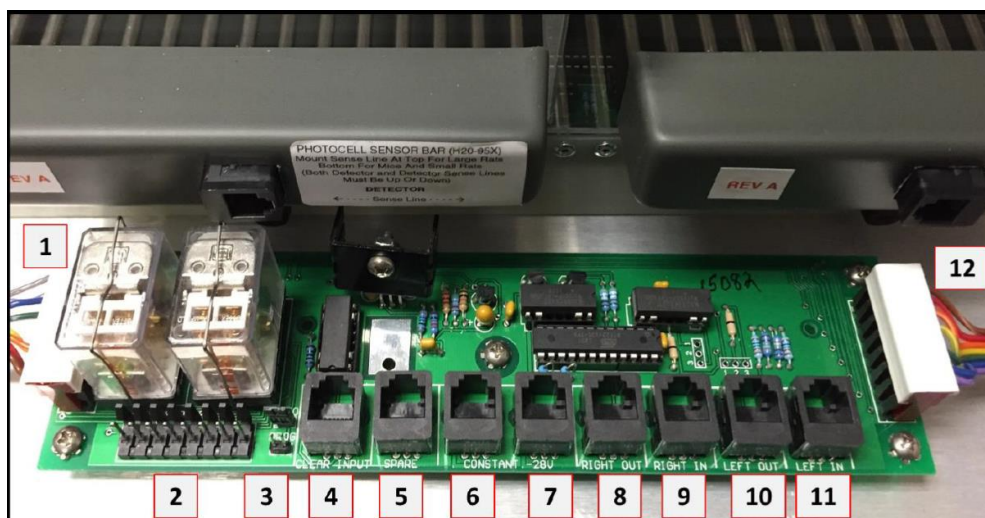


Shuttle Cage Circuit Board



Standard Configuration

Connection #	Name	Connects To	Connection #	Name	Connects To
1	Shock Out (Right)	Shuttle Cage Floor 8 Pin Connector (Right)	7	Constant -28V	Left Emitter Bar
2	Shock In	H13-15 or H13-17A Shock Generator	8	Right Out	Switch2 (ECB)
3	Jumper	AUTO Pins	9	Right In	Right Detector Bar
4	Clear Input	Spare1 (ECB)	10	Left Out	Switch1 (ECB)
5	Spare	Spare2 (ECB)	11	Left In	Left Detector Bar
6	Constant -28V	Right Emitter Bar	12	Shock Out (Left)	Shuttle Cage Floor 8 Pin Connector (Left)



Shuttle Cage Circuit Board Connection Details

1. Shock out to right hand side of grid floor
2. Shock in from Precision Shock Generator (H13-15/H13-17)
3. AUTO or Programmable (PROG) switches. When jumper is connected to AUTO (configuration shown in picture) the shock is automatically routed to the side of the cage that the animal is located. When the jumper is relocated to PROG the shock location is determined by the SPARE input. When the SPARE input is on the shock is routed to the right side of the cage. When it is off it is routed to the left side of the cage.
4. CLEAR INPUT. Connects to one of the SPARE outputs of the ECB. When ON the AUTO animal following logic circuit resets to the current position of the animal.
5. SPARE. Connects to one of the SPARE outputs of the ECB. When on shock is routed to right side of cage and to the left side of the cage when off.
- 6-7. CONSTANT -28V. Connects to the photocell bar emitters. One emitter is located on the back of left hand side of the cage. The second emitter is located on the front of the right side of the cage. Check the labels for the word DETECTOR.
8. RIGHT OUT. Connects to one of the SWITCH inputs on the ECB. When on this output indicates the animal has **fully transitioned** to right side of the arena.
9. RIGHT IN. Connects to the photocell sensor bar output on the right, back side of the arena. Check the label for the word EMITTER.
10. LEFT OUT. Connects to one of the SWITCH inputs on the ECB. When on this output indicates the animal has **fully transitioned** to the left side of the arena.
11. LEFT IN. Connects to the photocell sensor bar output on the left, front side of the arena. Check the label for the word EMITTER.
12. Shock out to left hand side of grid floor