

WARNING: Double/triple check the power and LED connections to the pinduino. If you put the plug the power into the LED header, you risk damaging the pinduino and LED strips (if they are plugged in).

Parts:

- Pinduino: 12-pin -- connects to **J4 of AUX power driver board**
 - Use 9-pin plug and 12-pin header
 - Plug into “top” 9 pins of J4
 - 12-pin header lets people connect additional inputs if customizing to unused inputs of the Pinduino
 - Note that only the left 9-pins of the board are used (and the one to the +20V isn't used)
 - Power: J138 to [Pinduino Power Board](#) or with Z-connector pass through
- LEDs: Addressable Black PCB 60 LEDs/M tape on back
 - Ramps: 34 LEDs each
 - 2' leads
 - 6' LED wire with y-connector (connects to Pinduino)
- Power:
 - [Pinduino Power Board](#) (preferred)
 - Pass-thru
 - Pinduino4-pin 0.156 Molex plug
 - Z-connector needed for pass through
 - **Plugs into J138 of the main power driver board** (pin 1: key, 12V, GND, 5V)
 - 18" of wire
 - Plugs into Pinduino Power plug

Code: https://github.com/elyons/professor_pinball_pinduino_sketches/tree/master/NoGoodGofers

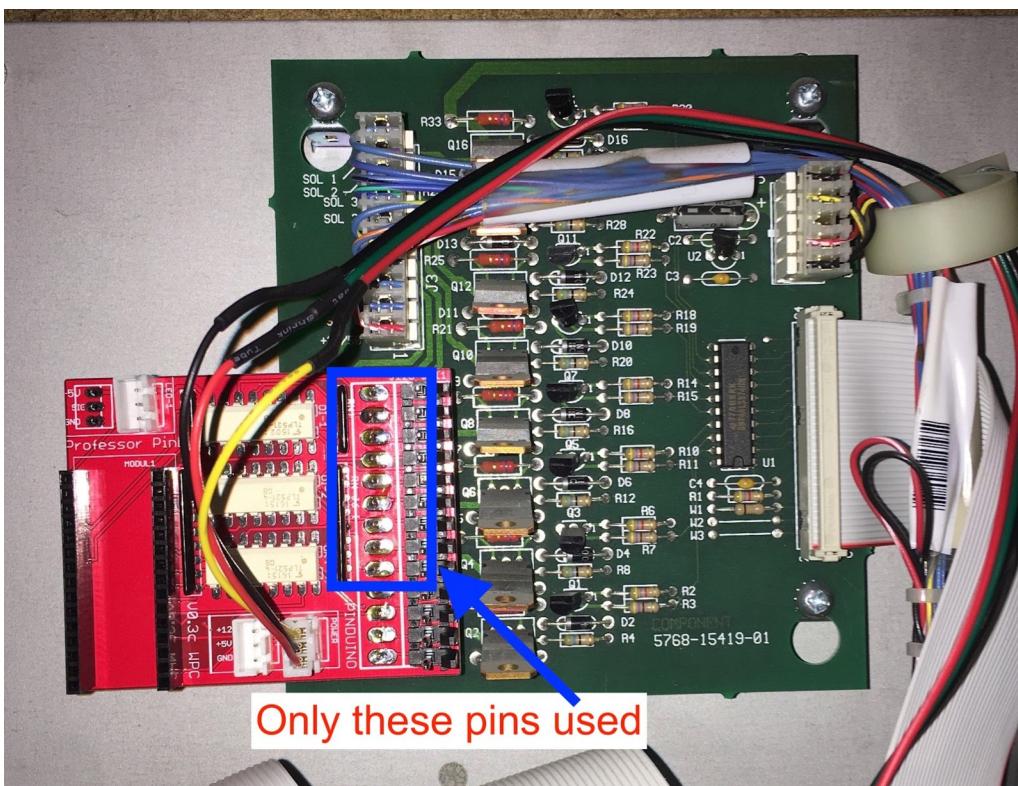
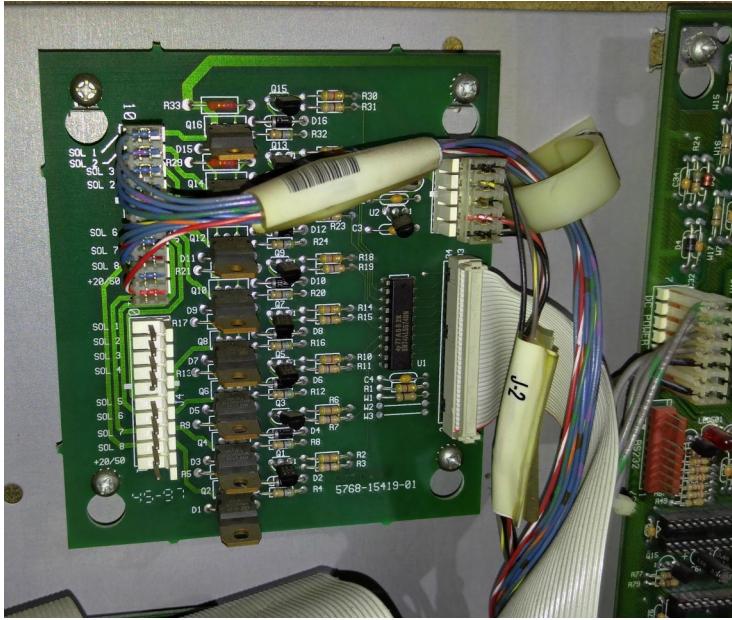
Installation: (Pictures are below!)

- LEDs:
 - Cut zip ties hold wires to ramps
 - Remove spots from ramps
 - Run LED wires along ramps and to the back
 - There are holes at the back of each ramp through which the LED harness runs down
 - Remove tape from LEDs
 - Apply LEDs to ramps starting from the front of the game and running to the back
 - Use zip ties to reattach wires to ramps
 - Reattach spot lights
- LED wiring harness
 - Plug LEDs into y-connector of LED wiring harness
 - Plug LED wiring harness into pinduino LED-1
- Pinduino:
 - Plug into J4 of AUX power driver board
 - Plug power from J138 into Power port of pinduino
 - Plug LEDs into LED-1 of pinduino

Finished!

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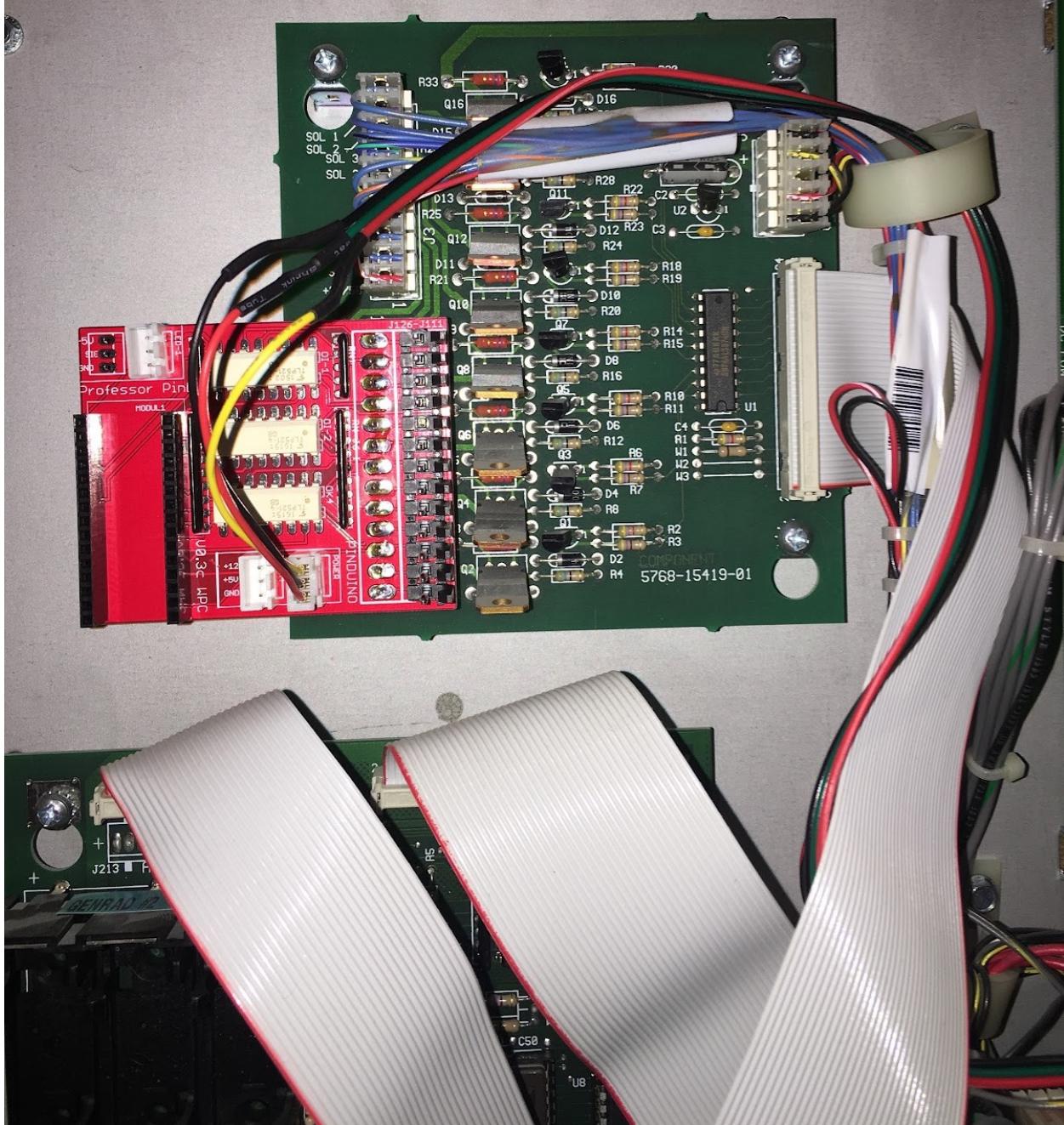
Free plug on AUX board



FUSE LIST

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE OF FUSE HAVING THE SAME ELECTRICAL RATINGS.
ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE.

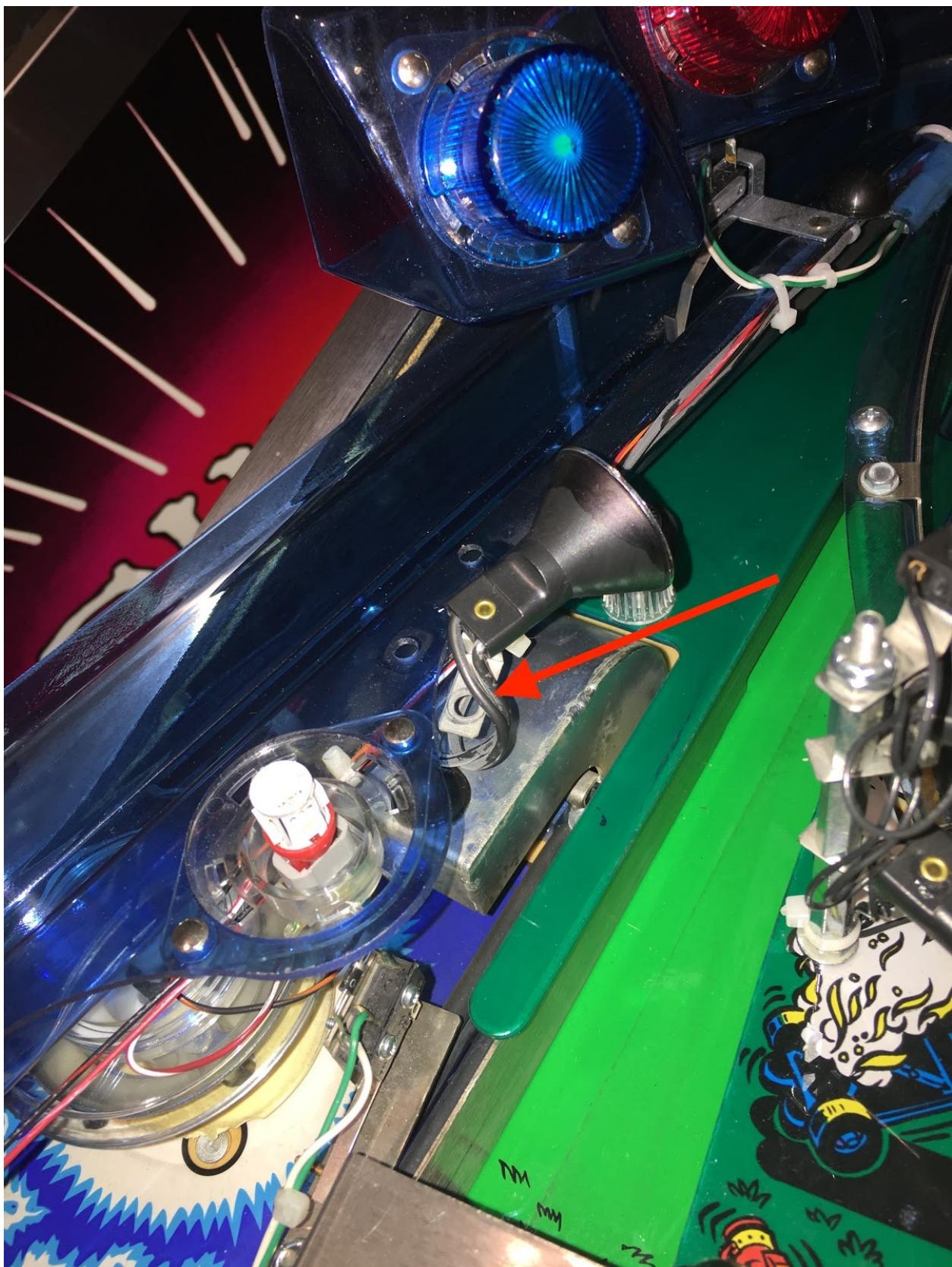
F601	F151
F602	
F501	
F502	
	AUDIO/VIDEO BOARD
F110	
F111	
F112	
F113	
F114	



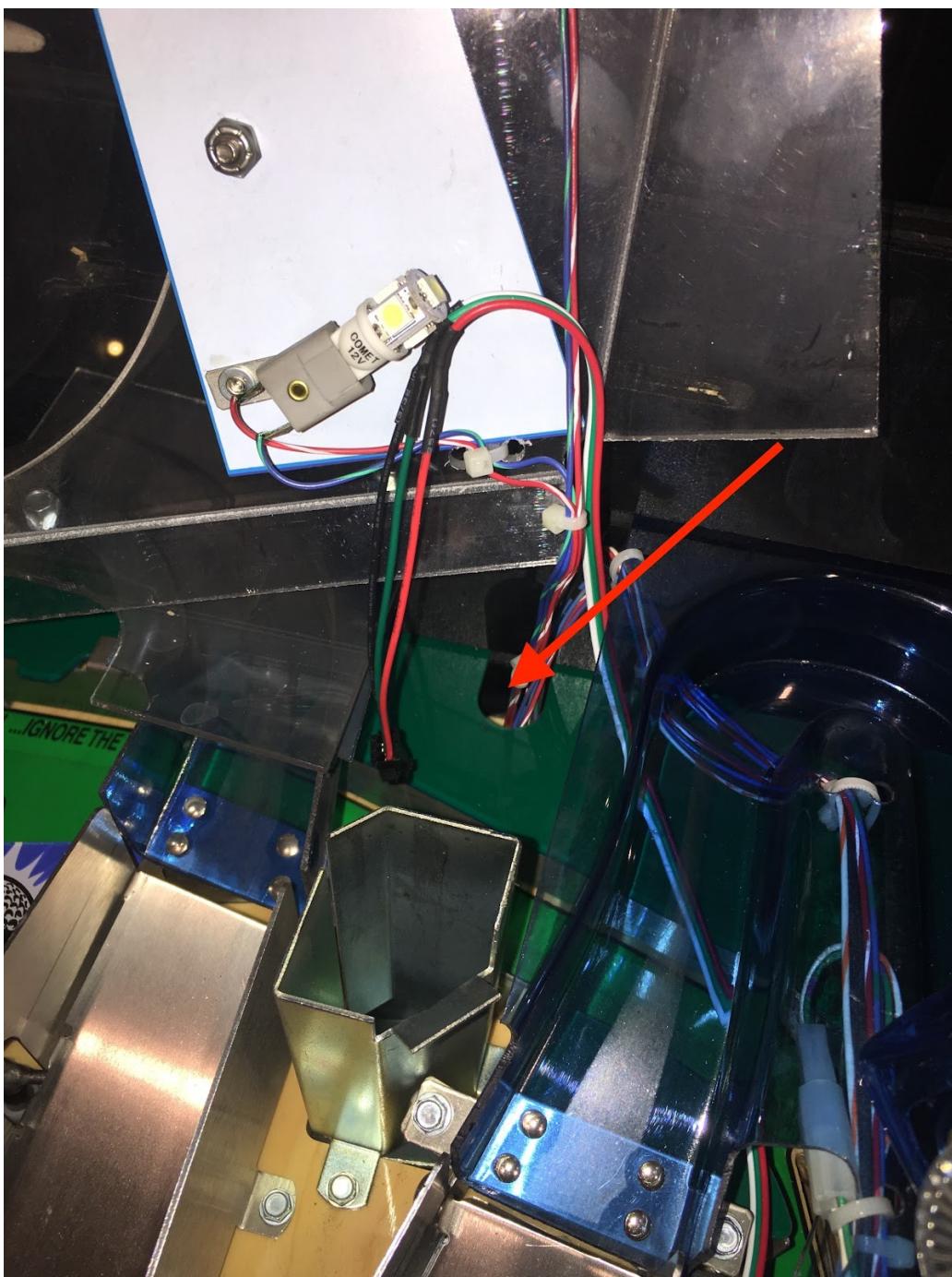
Removing existing wire harness for attaching LEDs

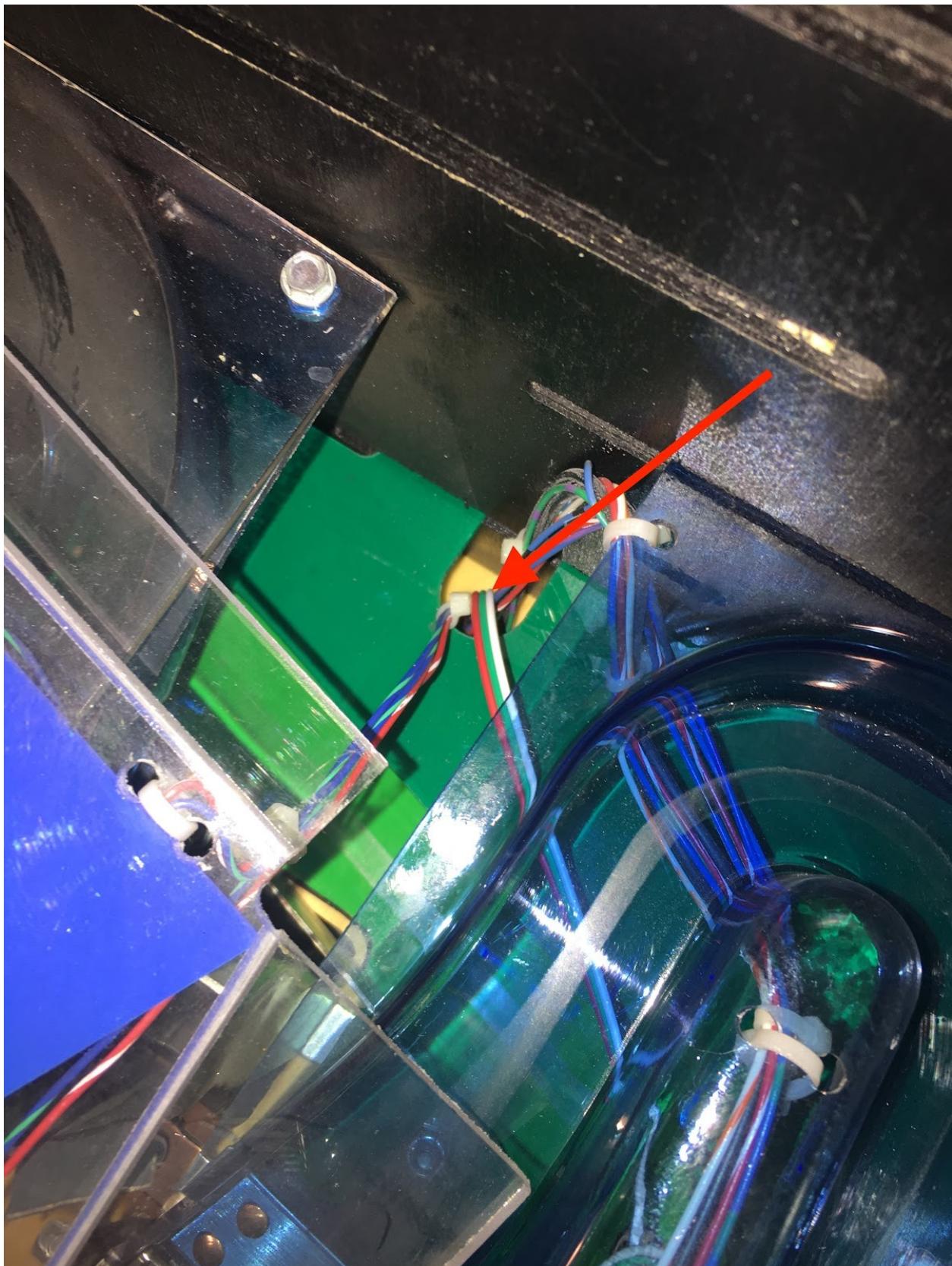




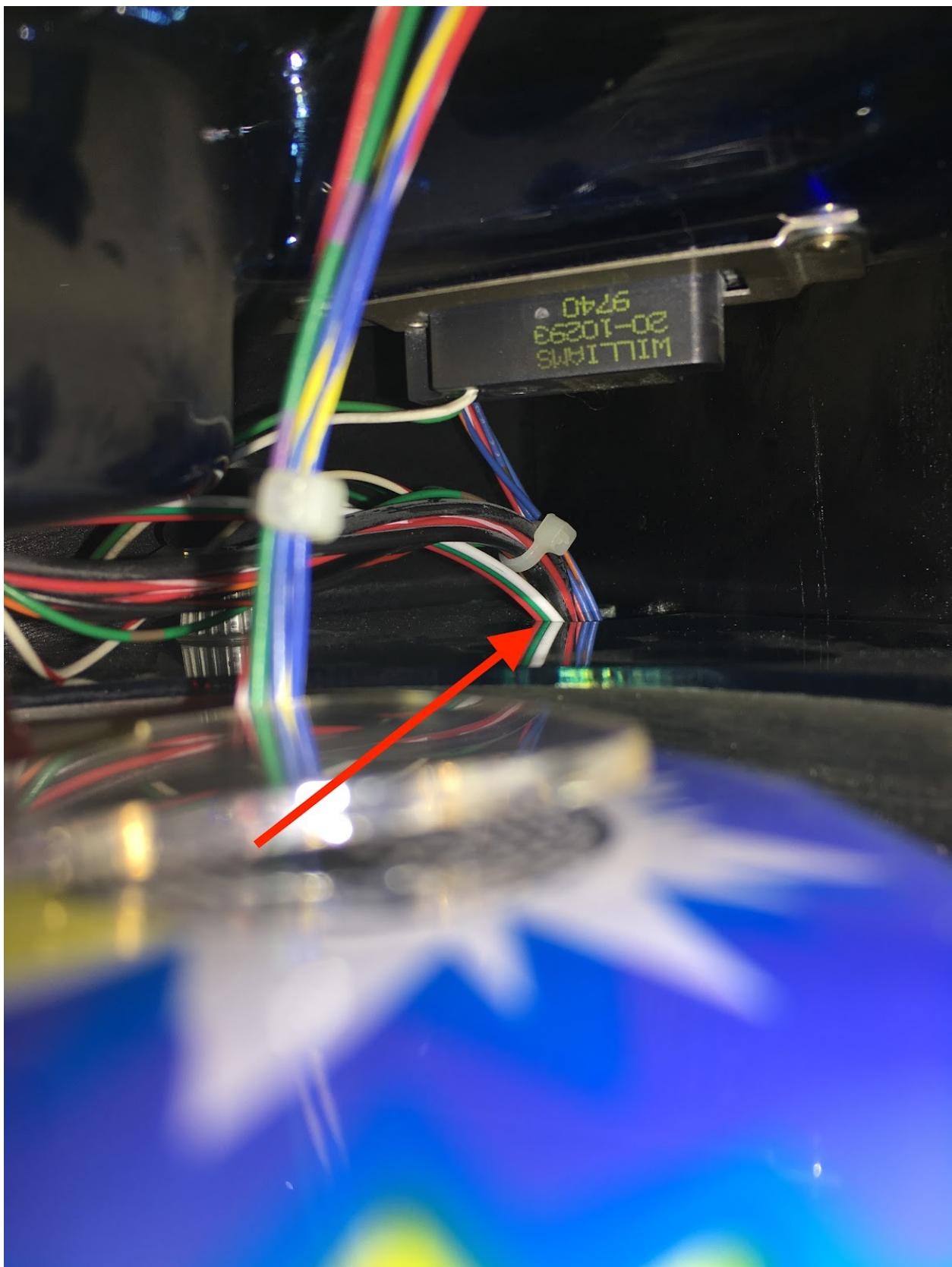


Route for LED wire harness





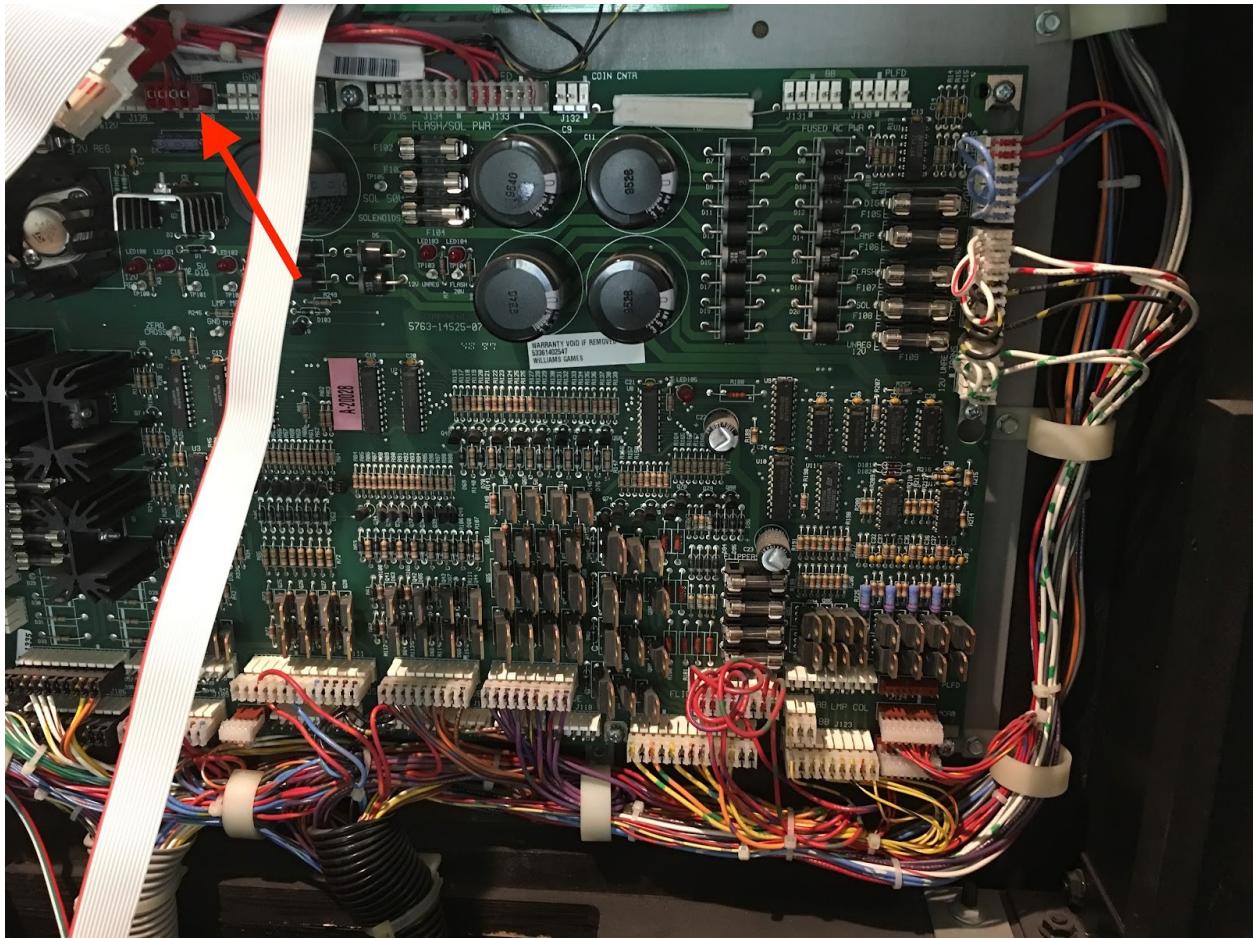








Power: J138



Example using pass-through wire harness. The Pinduino Board will plug here. For pictures of Pinduino power board installation: [Click Here](#)

