Build Your Own Clone Phase Royal Script Phaser Module Instructions

Parts list for the Phase Royal Script Phaser Module Pack

Resistors:
10 - 10k (Brown/Black/Black/Red/Brown)
1 - 12k (Brown/Red/Black/Red/Brown)
4 - 22k (Red/Red/Black/Orange/Brown)
1 - 1M (Brown/Black/Black/Orange/Brown)
1 - 2M2 (Red/Red/Black/Yellow/Brown) or (Red/Red/Green/Gold)

Capacitors:
5 - .047uF/473 Film Cap (May say "473" on the body)
1 - 10uF Electrolytic

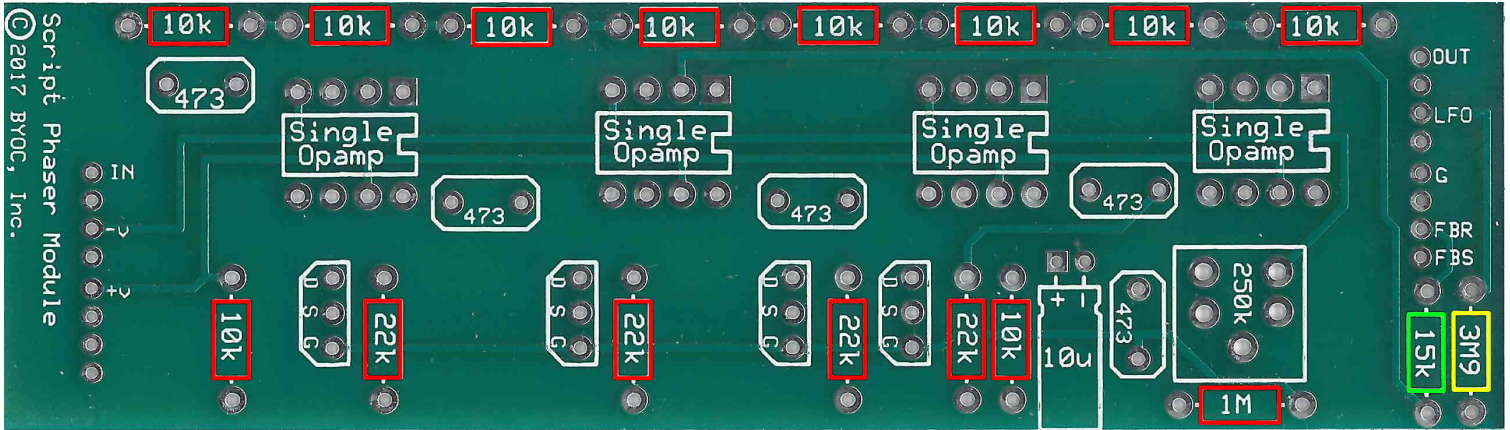**IC:**
4 - TL071 or similar single opamp

Transistors:
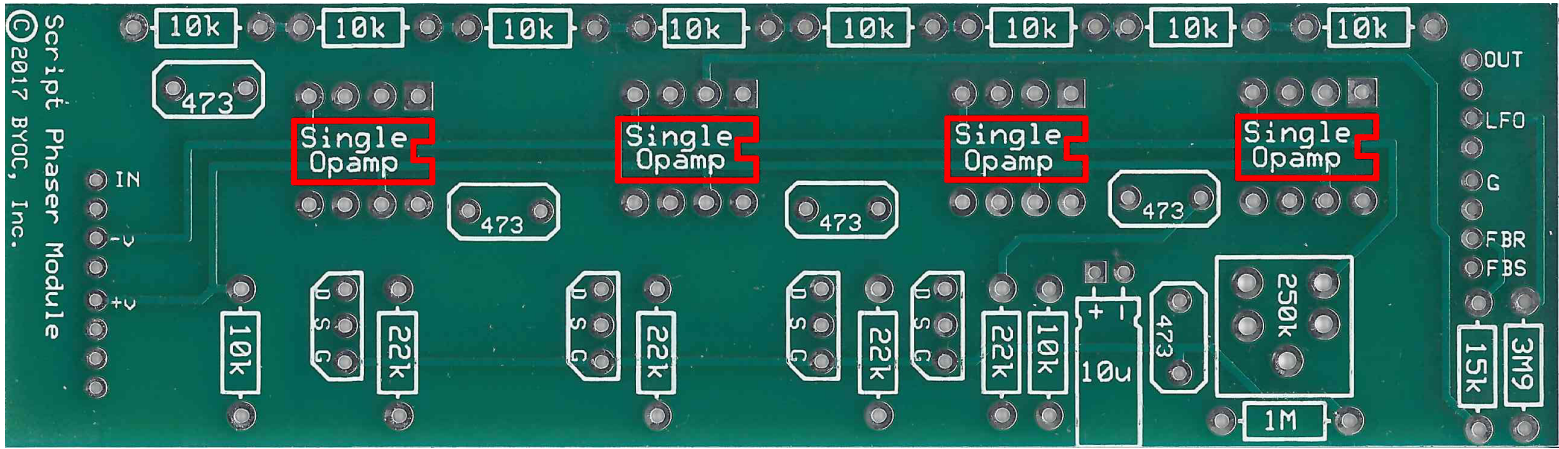**4 - Your kit will include 2N5952 OR 2N5458 JFETs**

**Hardware:**
4 - DIP-8 Socket
4 - 1X4 pins

Step 1: Add the resistors. These are not polarized and can go in either direction. Install the 12k in the **green** spot. Install the 2M2 in the **yellow** spot.

Step 2: Add the IC socket. Be sure to match the notch on the socket with the notch outline on the PCB screenprint.

Step 4: Add the Film caps. These are not polarized and can be placed in either direction. The capacitor highlighted in yellow is the ceramic disc capacitor.
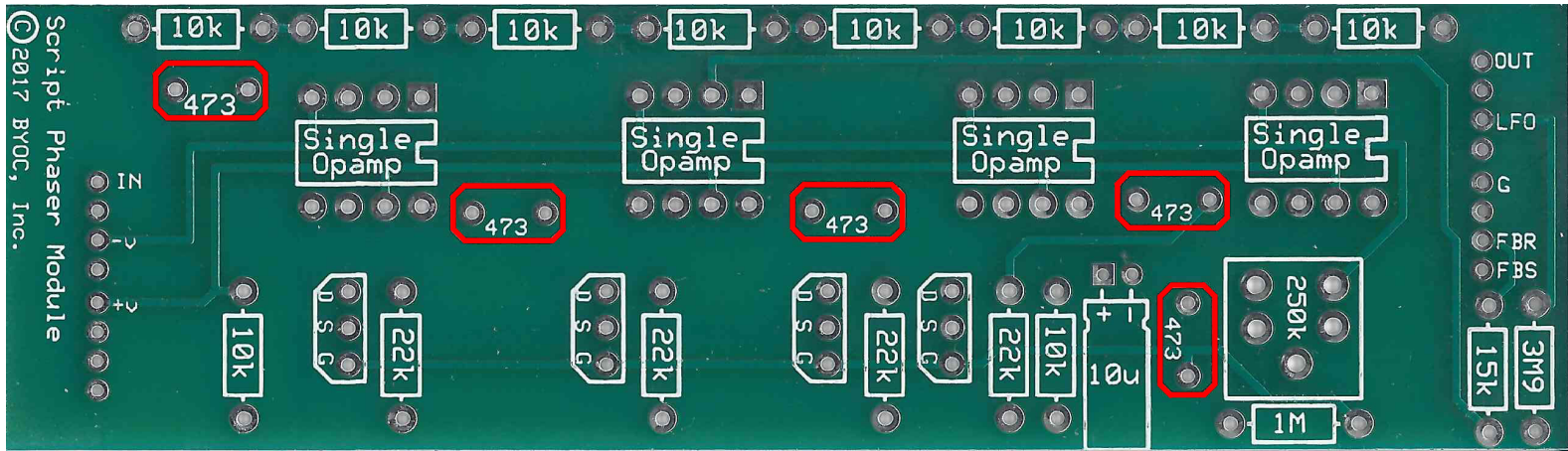
Step 5: Add the electrolytic capacitor. Before soldering, bend the capacitor so it lays flat along the screenprint outline.
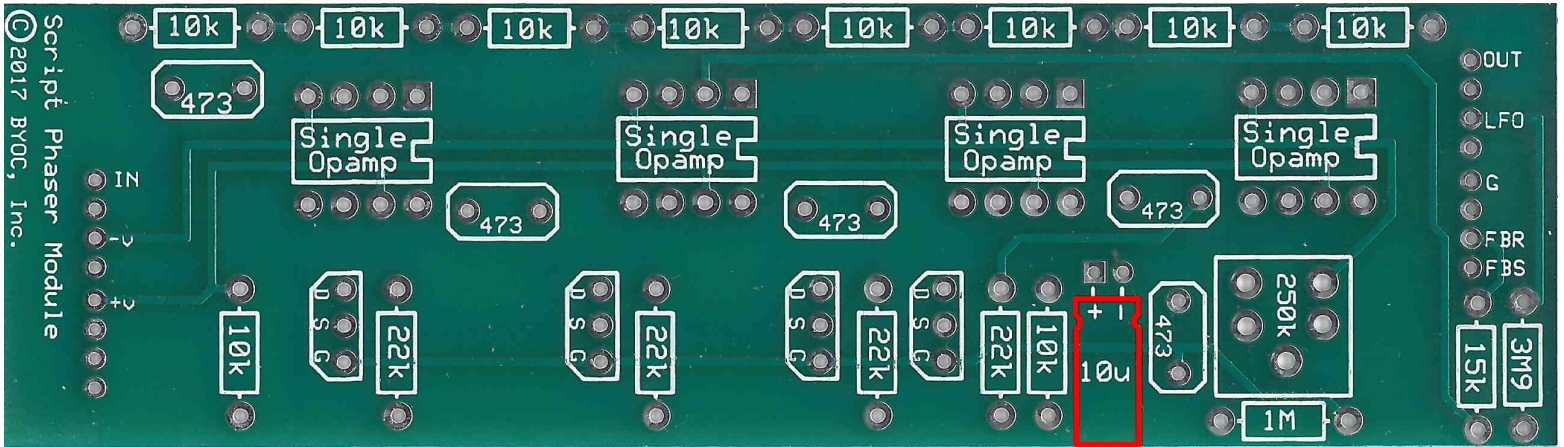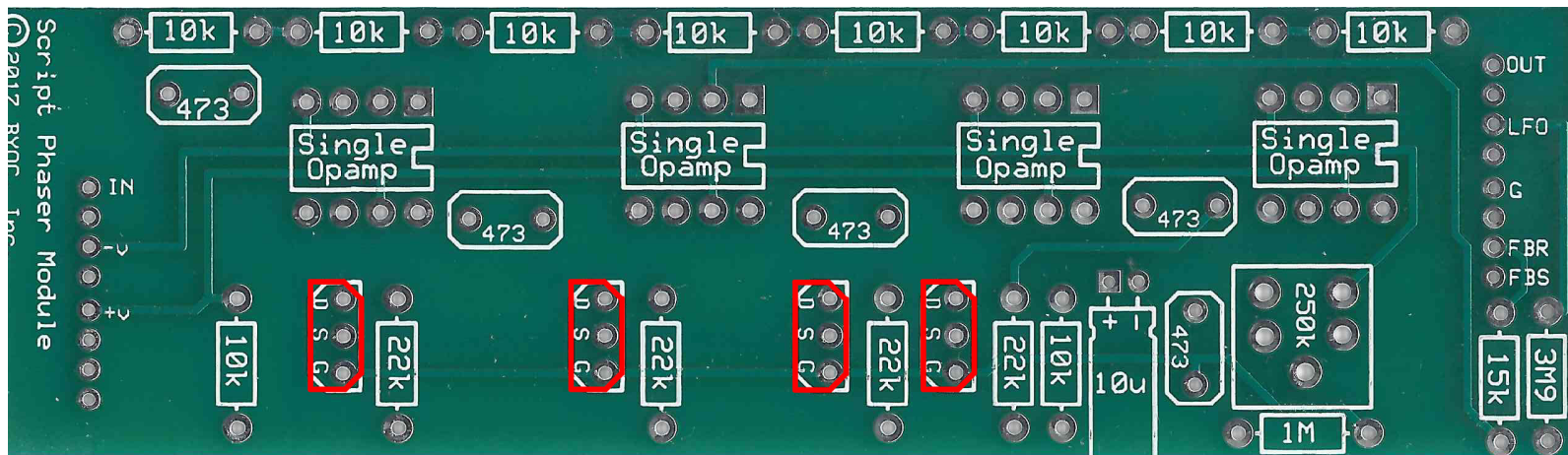
Step 6: Add the trimpot. There are 5 holes on the PCb for the trimpot, but only three on the trimpot itself. This is normal; your trimpot will only go into three of the holes. This is to accommodate various sizes of trimpots.
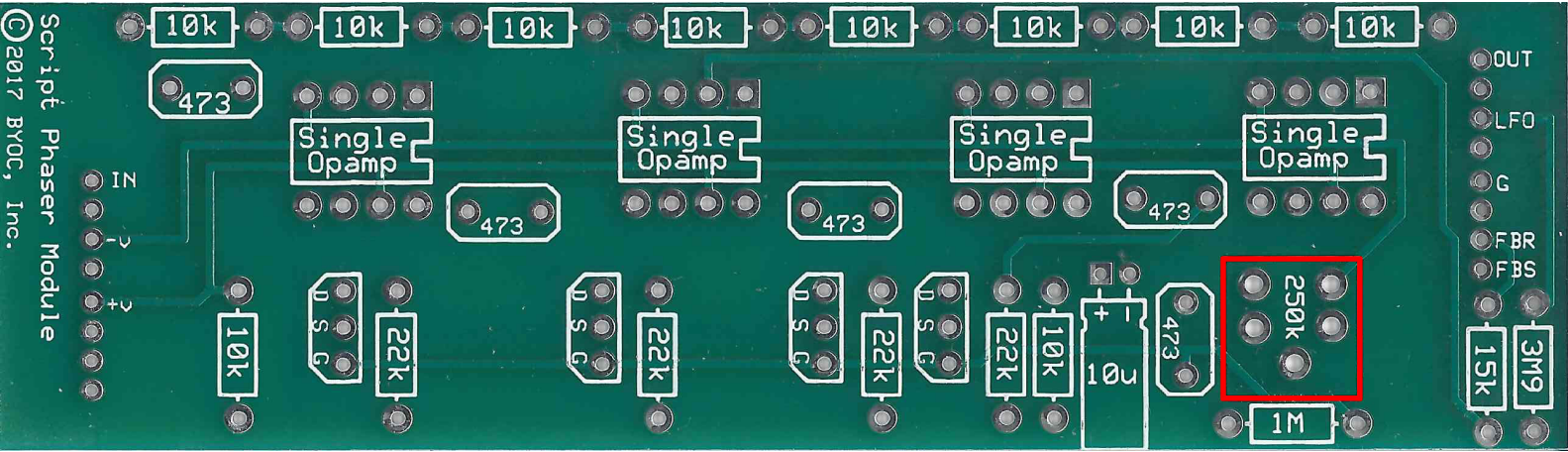
Step 7: Add the JFET transistors. **Make note of the JFETs you have. This is important for the orientation!**
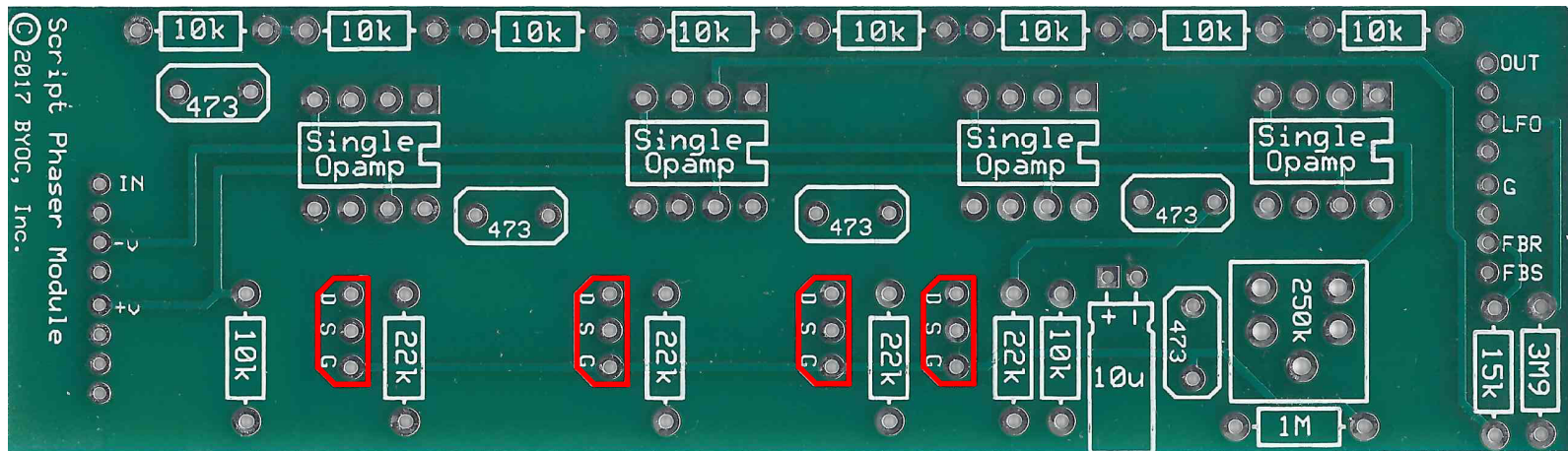

2N5952 Orientation

2N5458 Orientation

Step 8: Insert the pins into the Phase Royal header spots as shown below be sure to place the longer end of the pins into the headers. Once the pins are placed, guide the module board onto the pins and press down slightly so the module is sitting flush on the pins. Solder the top-side of the module at the pins. This helps align the pins and headers to the module board.
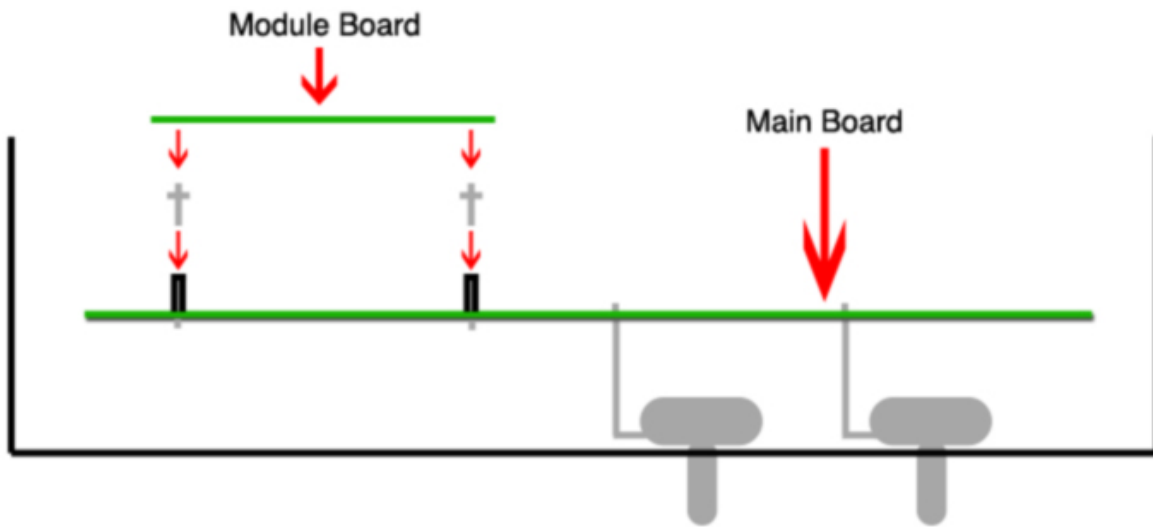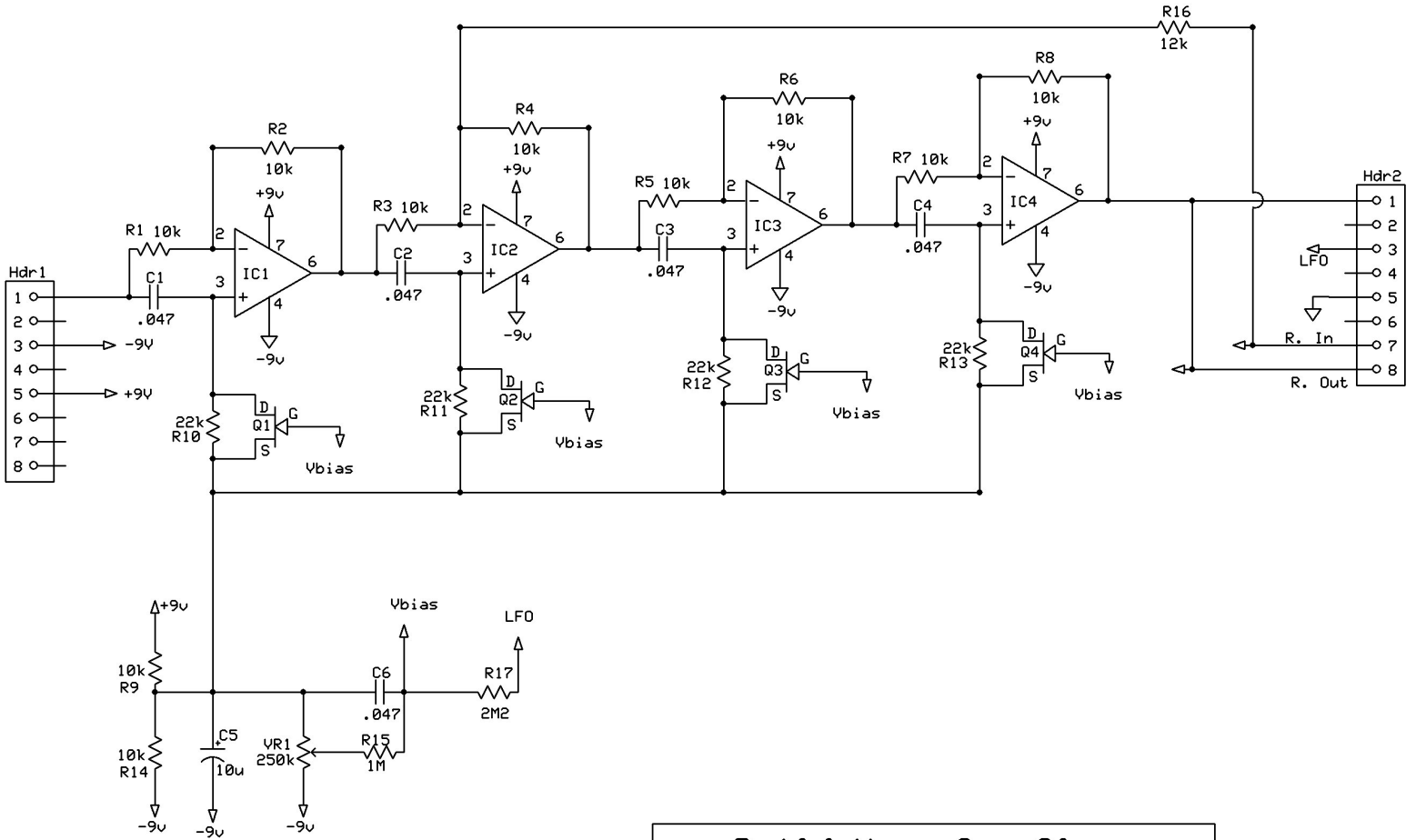
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PhaseRoyal Script Phaser module		
Designed by: N.W. Kenning	Rev 1.0 6/4/2018	Copyright 2018