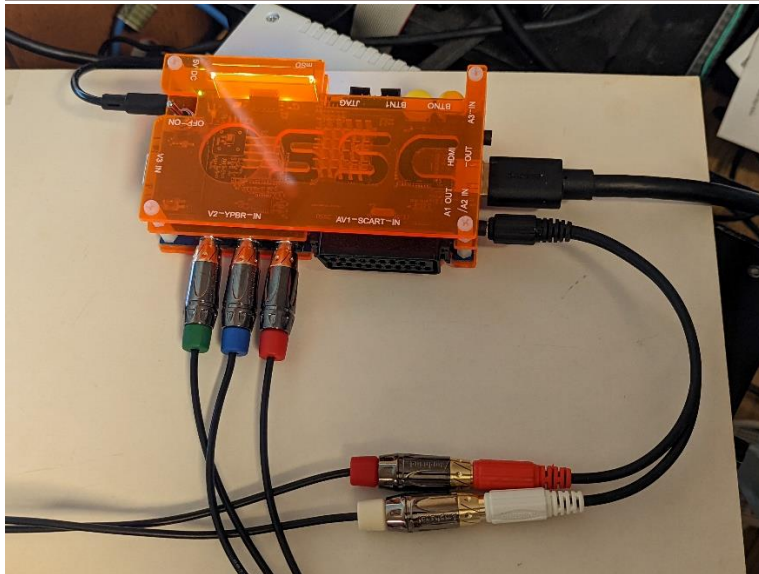
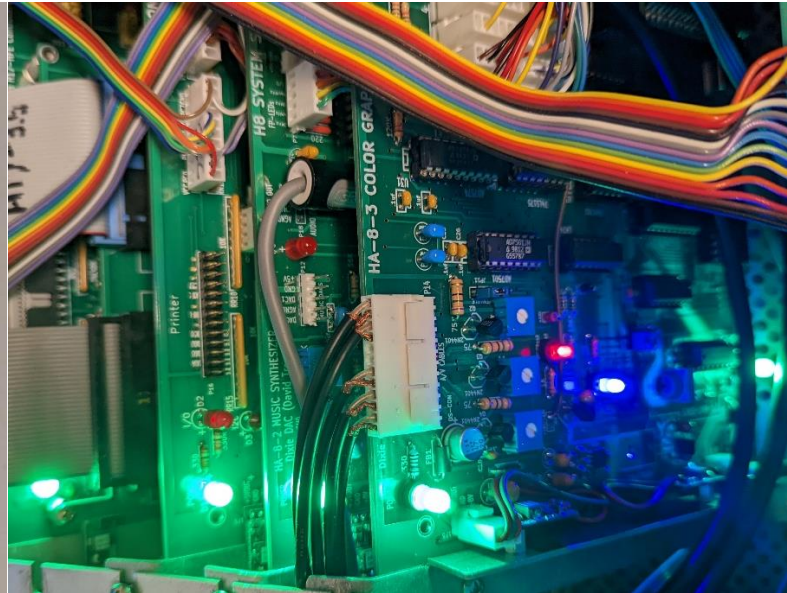
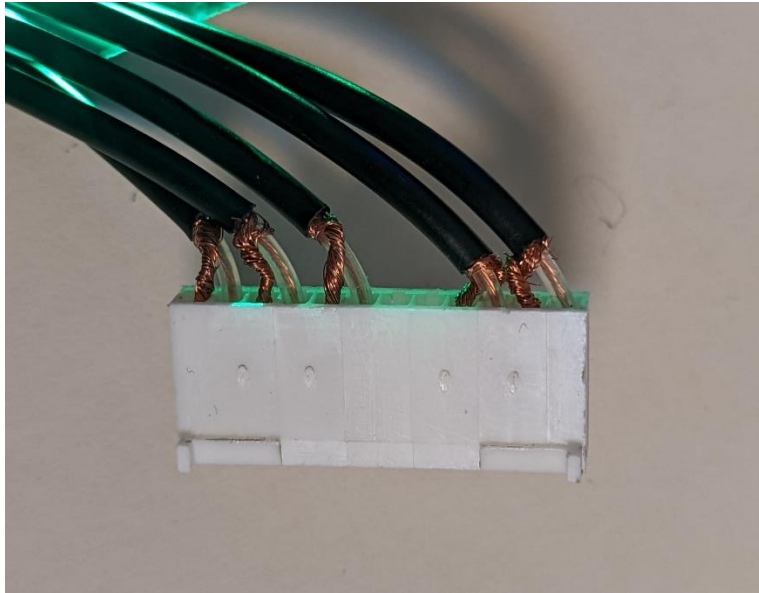
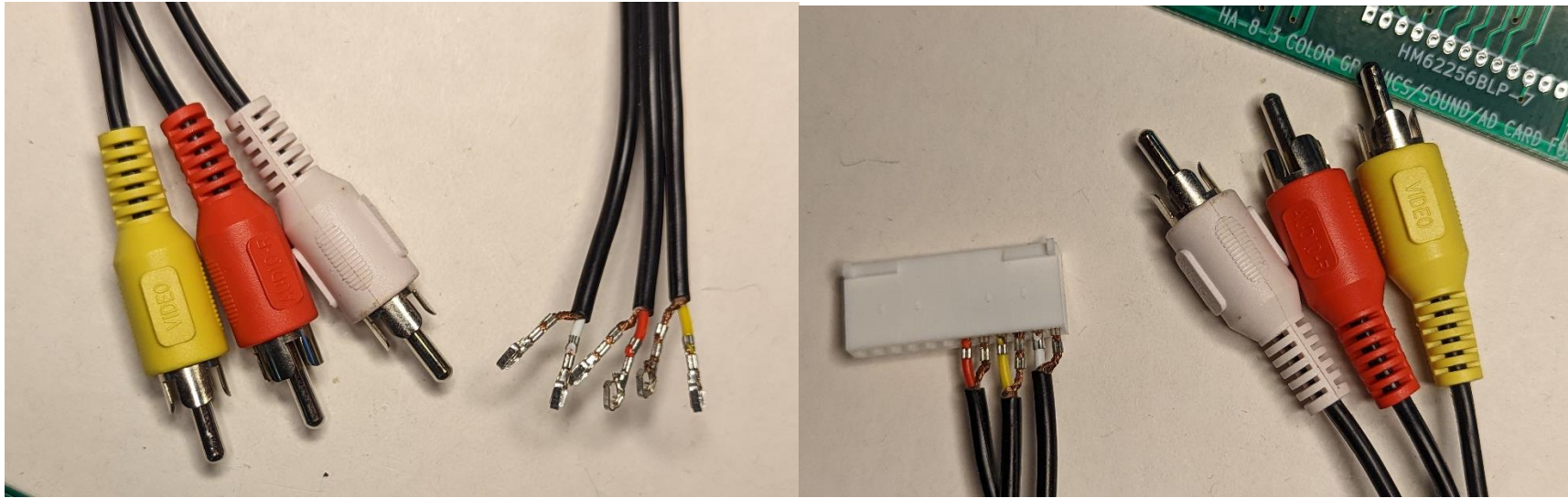


Audio/Video Cable Preparation for HA-8-3 Color Graphics Card

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This shows custom made discrete cables for connection between the HA-8-3 and the OSSC. RG174 coax cable was used. This is 50 ohm cable so it is a technical mismatch with the 75 ohm load at the HA-8-3. I judged that for the very few feet from the H8 to the OSSC this would not be a significant quality issue. RG174 is thin and very flexible. One end was stripped and crimped with Molex KK terminals for insertion into the 12-pin polarized shell. At the other end, Amphenol ACPL-Cxx connectors were soldered on. In the H8, the cables were routed underneath the outboard mounting bracket and out an empty connector space on the rear panel. The OSSC uses a 1/8" stereo mini-jack for audio, so an RCA to miniplug adapter was used. A total of five cables is needed – Y, Pb, Pr, L audio, R audio.



An alternative (and less expensive) method is to modify molded cable sets. I used a ten-foot A/V cable and cut it in the middle to make two five-foot, three conductor cables. The KK terminals are crimped as before. I used A/V cable (composite yellow, white/red audio) because those cables are usually cheaper, smaller diameter, and easier to find than a component cable set with red, green, and blue connectors. Some of those component cable sets (often called “RGB” cables) have very thick conductors that would be awkward to manage inside the H8. To use this method, you have to be willing to accept that the video cables will likely not have the “right” color coding.