*Norwich Technical High School - Electronics Technology Date Updated:* 

*7 Mahan Drive*

*Norwich, CT 06360*

**TITLE: Heat Press SOP**

**APPROVALS:**

**Author: Daniel Larose, Sam Moriarty and Dimitri Torres Date: 1/3/2024**

**Review: Date:**

1. **Revision History:**

| **INITIALS** | **REV** | **DATE** | **SUMMARY OF CHANGES** |
| --- | --- | --- | --- |
| **DL / SM / DT** | **A** | **1/3/2024** | **Original** |
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1. **Purpose:** 
   1. To transfer blue sheet ink to the copper boards.
2. **Safety: While the heat press is on don’t touch it, as it gets extremely hot.**
   1. It also holds on to heat very well so you might need to let it cool down before you grab your board.
3. **Materials:**
4. **Copper board**
5. **Printed Bluesheet**
6. **Heat Press**
7. **Procedure:**

| **Step** | **Procedure** | **Picture** |
| --- | --- | --- |
|  | **Acquire a printed bluesheet and cut out your circuit. Acquire a copper board and cut it out to a size that is slightly bigger than your bluesheet, if possible, find a board that doesn't need to be cut.** |  |
|  | **Place the circuit on a copper board shiny side up.** |  |
|  | **Pre-heat the heat press to 325 degrees fahrenheit. The pressure is already set, no need for adjustment.** |  |
|  | **Place the board and sheet on the heat press with the bluesheet facing up. Be careful not to touch the inside of the heat press while doing so.** |  |
|  | **Press the board for about 3 minutes.** |  |
|  | **Carefully remove the board from the heat press, ideally with a putty knife or something similar, if one is not available, use your nail to drag it off. Beware that the copper will be very hot. Let the board sit for a few minutes to cool.**  **(Please note images from this point on are acted out as best as possible, but the board was not actually pressed)** |  |
|  | **Check the board, if the paper is still peeling from the copper, put it back on the heat press for another 30 seconds. Repeat from step 6 as necessary until the bluesheet sticks to the copper board.** |  |
|  | **Rinse board in clean, cold water.** |  |
|  | **Remove and dispose of the excess film from the board. And then proceed to the acid, see SOP-001 for directions on working with acid.** |  |
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