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| Author: Kevin Arne Title: Prototyping Lab Supervisor Date: 6/15/2022 | |
| #1 Process  (if applicable) | Joining electronics with solder |
| #2 Equipment | Soldering iron |
| #3 Personal Protective Equipment (PPE) | * Eye protection * Minimum shop PPE |
| #4 Environmental /  Ventilation controls. | Requires use of fume extractor. |
| #5 Required training or approval | * Soldering iron training * Review and observe general safety practices outlined in the MKRSPC MNL. * Refer to the manufacturer’s operating manual for all operating procedures. |
| #6 Inspection requirements before use | * Inspect for any damage. * Look for burned power cables. |
| #7 Safe operating procedures or precautions | * Turn on the fume extractor. * Keep the fume extractor near your work. * Use lead free solder. * Never touch the metal portions of a soldering iron until they have had time to cool. * Do not set the temperature higher than 600 F. * Hold wires to be heated with tweezers or clamps. * Always return the soldering iron to its stand when not in use. * When finished, add extra solder to the tip to keep it clean. * Turn unit off or unplug it when not in use. * Wash your hands with soap and water after soldering. |
| #8 Chemicals/ spill procedures/waste disposal |  |
| Author Signature: Date: | |