Checklist for Stepper Motor Control Board

**Schematic**

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| --- | --- |
| **Requirement** | **Status** |
| Every component pinout verified correct?  MCU?  DRV8825? | **DONE** |
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**Circuit Design**

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| **Requirement** | **Status** |
| Every IO pin on DRV8825 connected to an IO on the MCU? | **DONE** |
| LED connected to AT LEAST 1 MCU IO pin? | **DONE** |
| Every MCU pin accessible at test point, or pad, etc | **DONE, that are being used + clk** |
| VCC voltage being read on an analog pin? | **DONE** |
| Beware of parallel resistance on IIC lines! i.e. a 1k pull-up at the master and 3 slaves is effectively a 200 ohm pull-up. | **DONE, no pull up on stepper board** |
| 2 power and IIC connectors, one in and out? | **DONE** |
| Test pad for all power busses? Ground? | **DONE** |
| Clock signal broken out to test pad? | **DONE** |
| MCU DAC connected to DRV8825 VREF? | **DONE** |

**PCB Layout**

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| **Requirement** | **Status** |
| Every connector has silk screen label for each connection. | **DONE** |
| Coil driving traces as short as and placed as far away from everything else as possible? | **DONE** |
| Make sure UA78 voltage regulator footprint didn’t default. | **DONE (8/23/22)** |

**Rev AB**

**Schematic**

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| **Requirement** | **Status** |
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**Circuit Design**

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| **Requirement** | **Status** |
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**PCB Layout**

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| **Requirement** | **Status** |
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