



Remove R10 to stop excess battery drain  
 TIP\_TEMP: 450°C - 2.250 V  
 Recommend wiring DC GND to encoder tabs for ESD grounding  
 OA: OPA336NA / SGM8551XN

Based on KSGER STM32 T12 Ver. 2.15  
**Digital Devices**  
 Sheet: /  
 File: Soldering\_Tweezers\_10.kicad\_sch

**Title: T12 Soldering tweezers driver**

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