

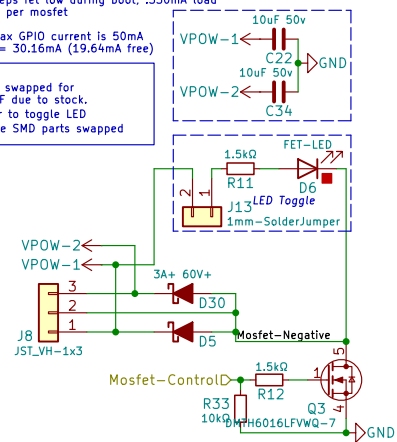
Sheet: /Thermistor1/ File: Therm.kicad_sch		
<b>Title:</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. 9.0.4	Id: 2/18	





1.5k $\Omega$  limits GPIO current to 2.2mA  
10k $\Omega$  pulldown keeps fet low during boot; .330mA load  
2.53mA GPIO load per mosfet  
—  
RP2040 overall max GPIO current is 50mA  
2.53mA X 12fets = 30.16mA (19.64mA free)

Diode:  
CDBA360-HF swapped for  
ACDBA360-HF due to stock.  
Added jumper to toggle LED  
Some Discrete SMD parts swapped



Sheet: /Mosfet-Small2/  
File: Mosfet-Small.kicad\_sch

**Title:**

Size: A4

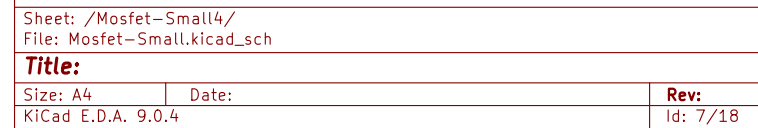
Date:

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**Rev:**

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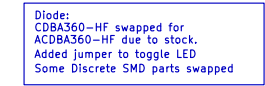


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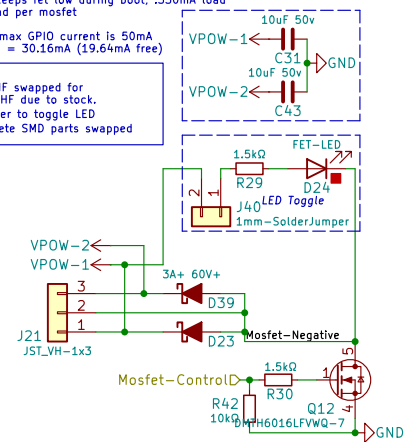
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1.5kΩ limits GPIO current to 2.2mA  
 10kΩ pulldown keeps fet low during boot; .330mA load  
 2.53mA GPIO load per mosfet  
 —  
 RP2040 overall max GPIO current is 50mA  
 2.53mA X 12fets = 30.16mA (19.64mA free)

Diode:  
 CD8A360-HF swapped for  
 ACDBA360-HF due to stock.  
 Added jumper to toggle LED  
 Some Discrete SMD parts swapped



Sheet: /Mosfet-Small11/  
 File: Mosfet-Small.kicad\_sch

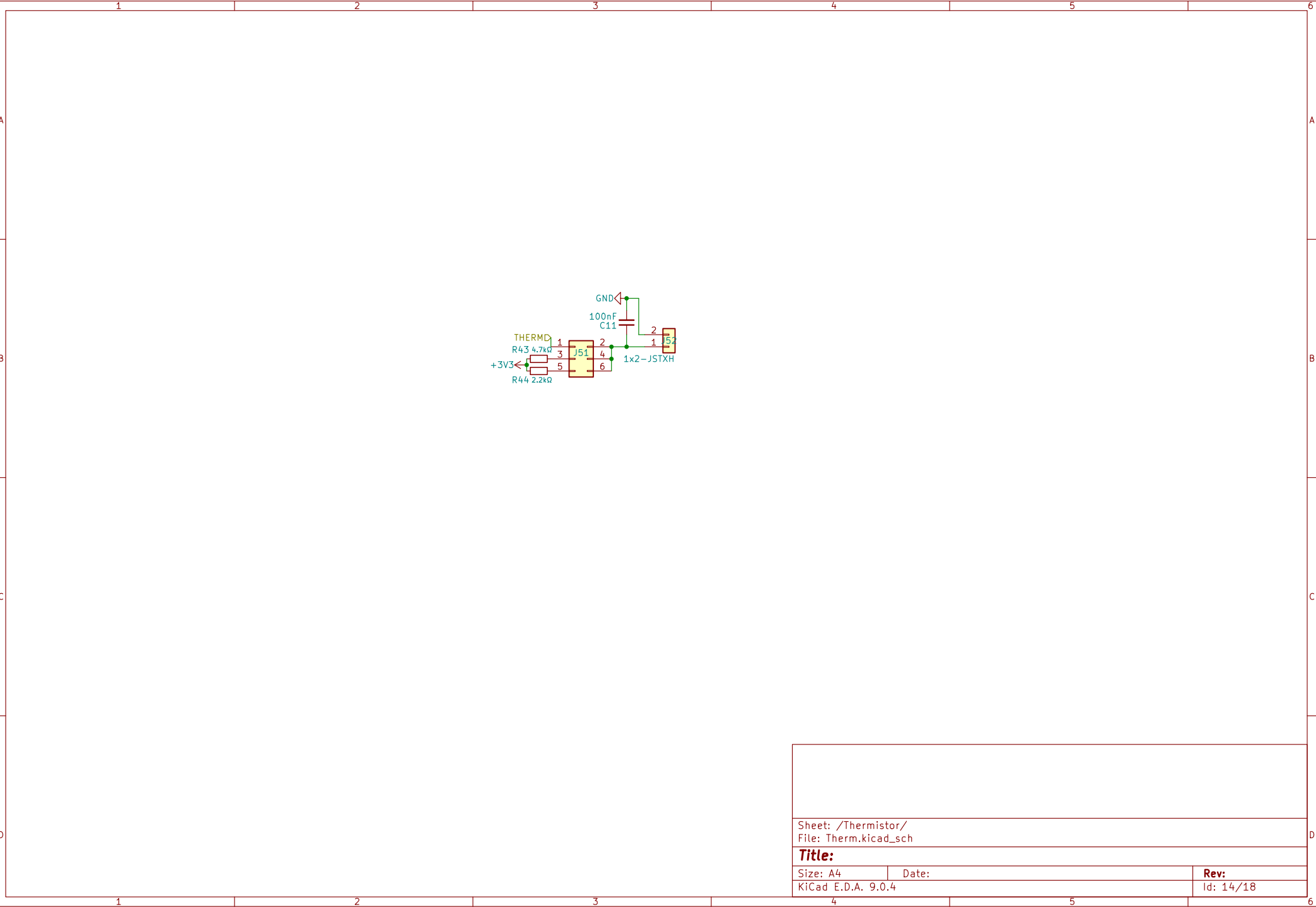
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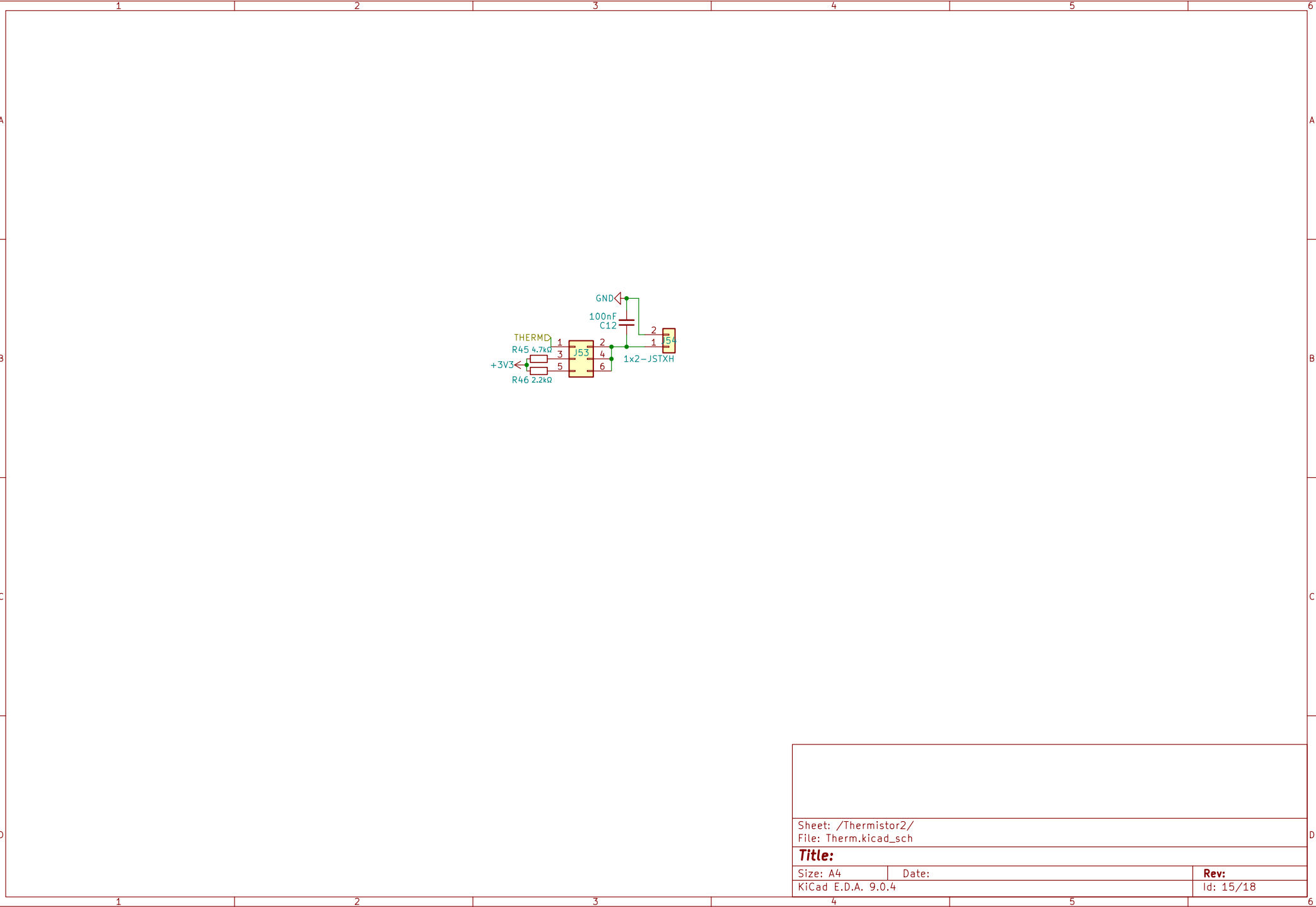
Size: A4 Date:

KiCad E.D.A. 9.0.4

**Rev:**

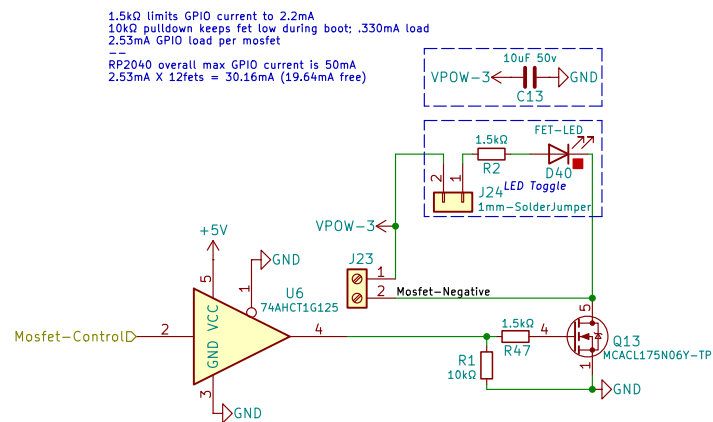
Id: 14/18











Sheet: /Mosfet-Big/  
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**Title:**

Size: A4

Date:

**Rev:**

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