

NOTES, UNLESS OTHERWISE SPECIFIED:

1. RESISTANCE VALUES IN OHMS.
2. CAPACITANCE VALUES IN MICROFARADS.
3. REFERENCE DESIGNATORS USED:
4. ALL 0.1 uF AND 0.01uF CAPACITORS ARE DECOUPLING CAPS UNLESS OTHERWISE NOTED. THEY ARE SHOWN ON THE PAGE WITH THE INTEGRATED CIRCUITS THEY SHOULD BE PLACED NEAR.
5. NHET1xx means NHET1_[xx].
6. OBSERVE THE LAYOUT NOTES IN SCHEMATIC.

This schematics is for both TMS570LS31x and RM48 devices. They have same package. TMS570LS31x is Big-Endian device, but RM48 is Little-Endian device.

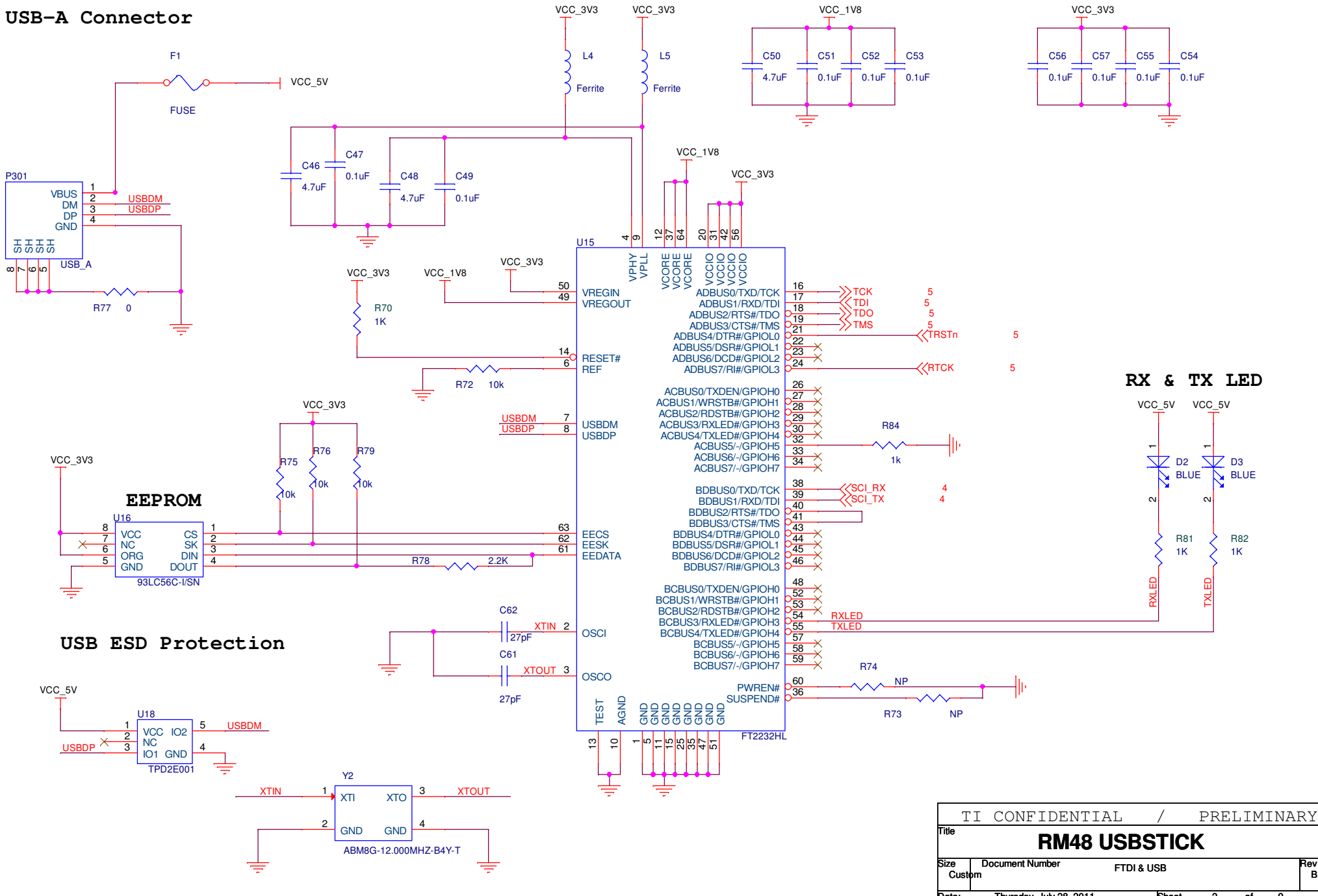
SCHEMATIC CONTENTS

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- 02 USB & FTDI
- 03 CPLD
- 04 MCU PINs
- 05 JTAG
- 06 DCAN & NC
- 07 Sensors & LEDs
- 08 Development Pins
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**Proprietary
&
Confidential**

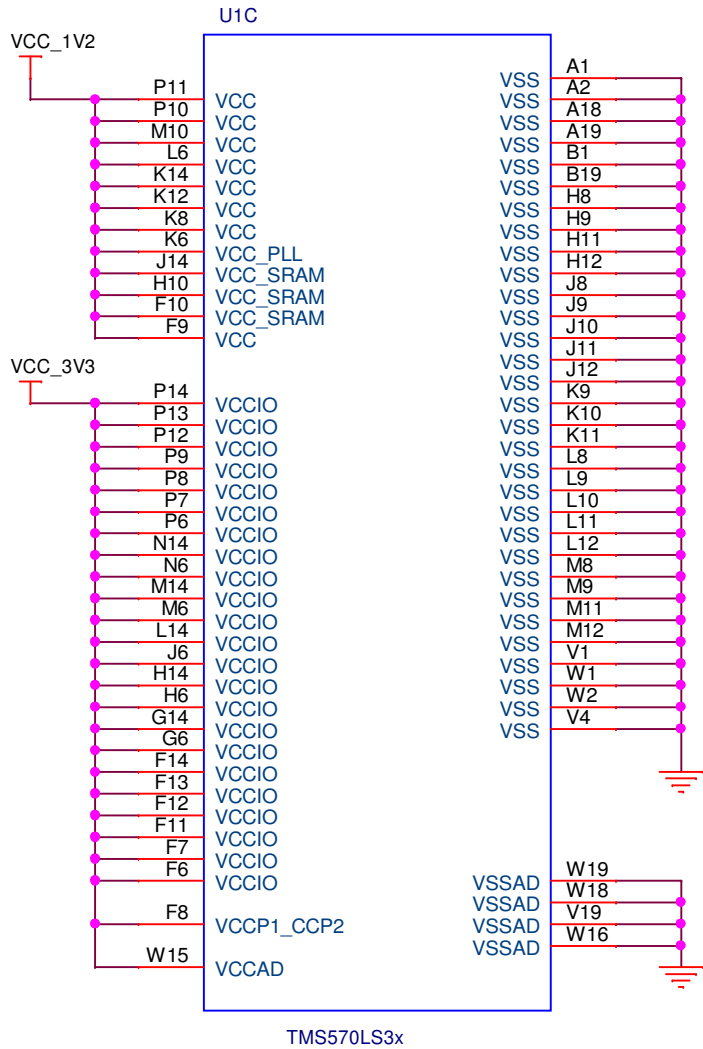
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USB-A Connector

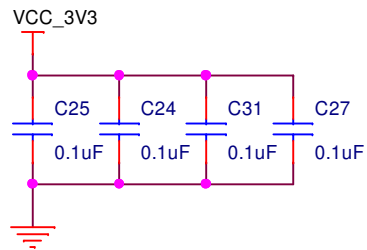
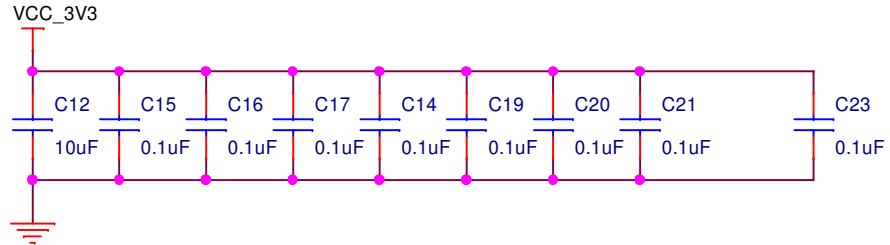


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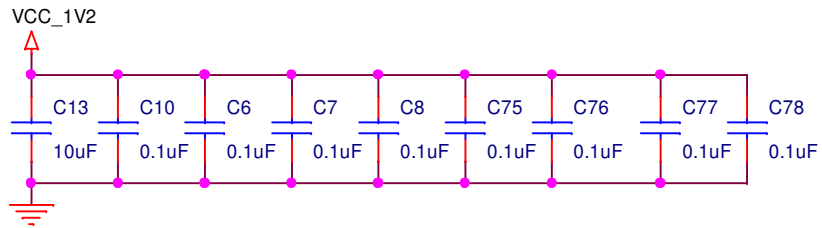
Power-Ground on MCU



25 VCCIO+VCCAD+VCCP1/2 Pins

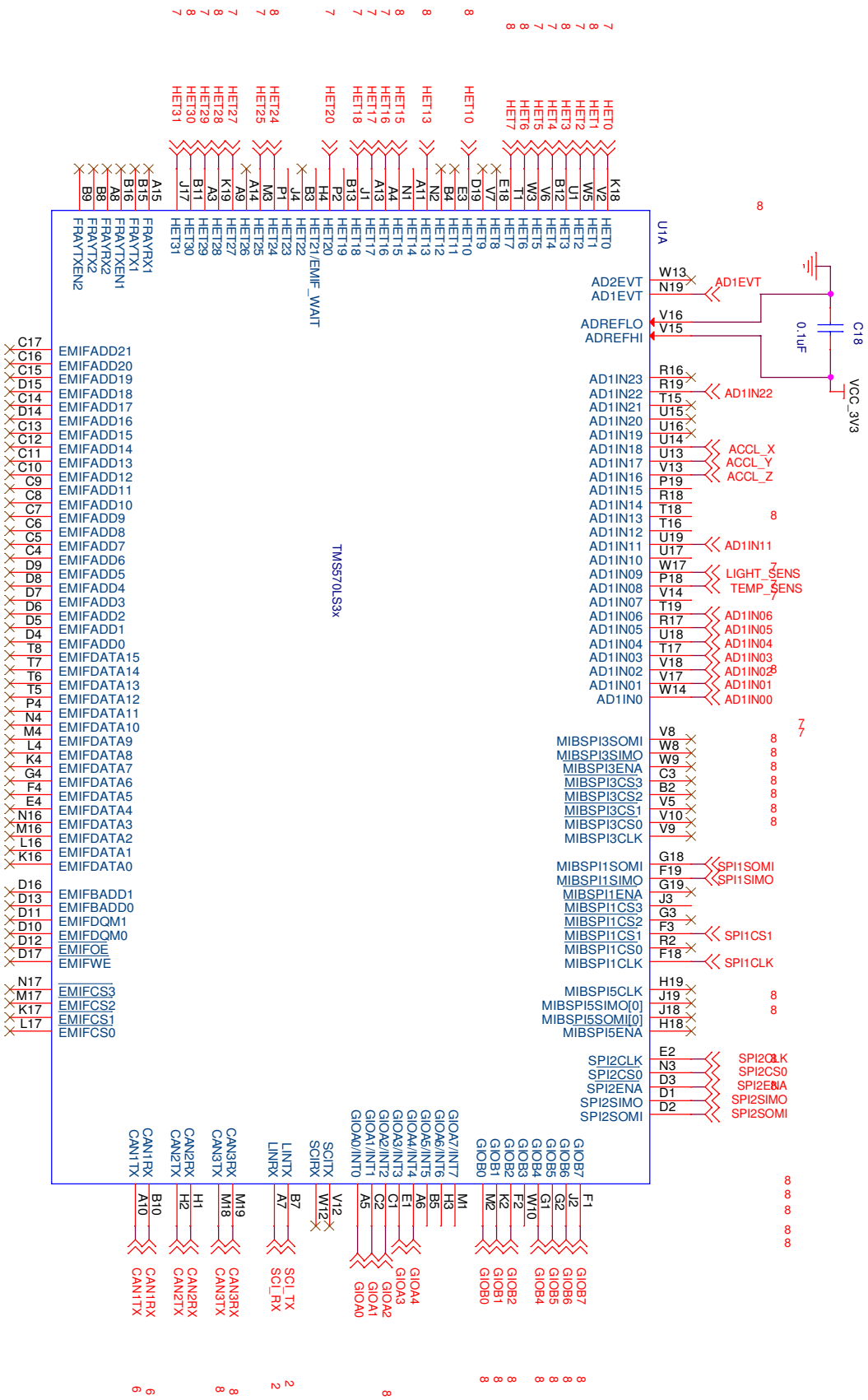


12 VCC pins

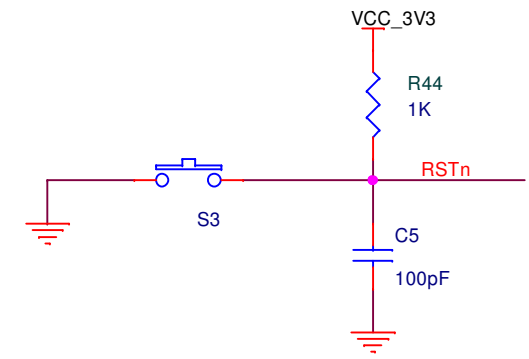
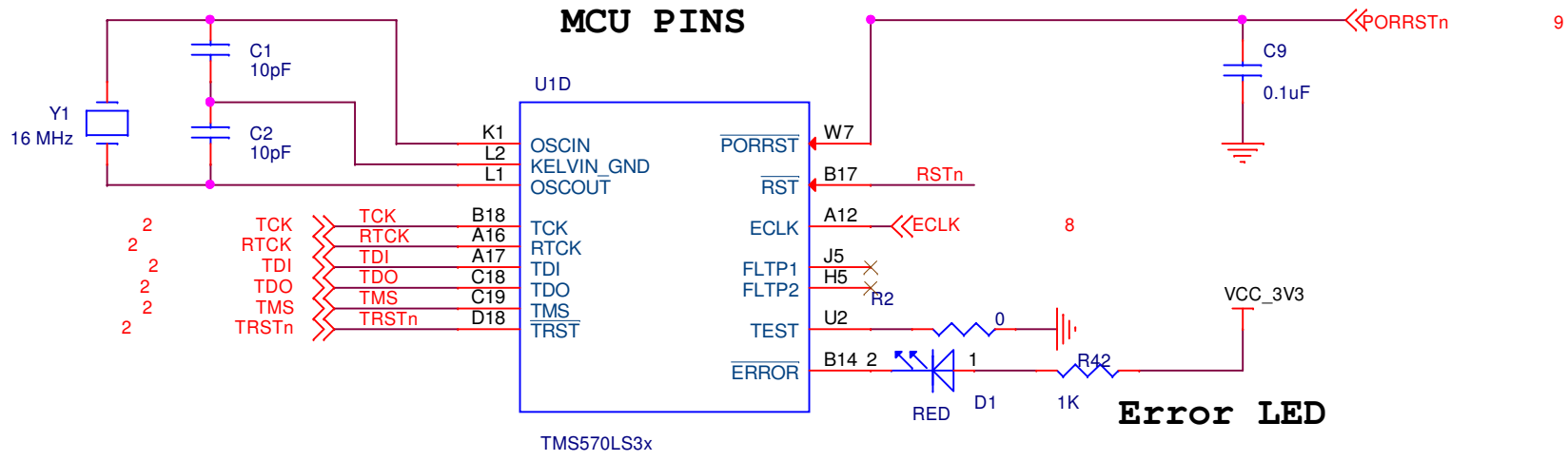


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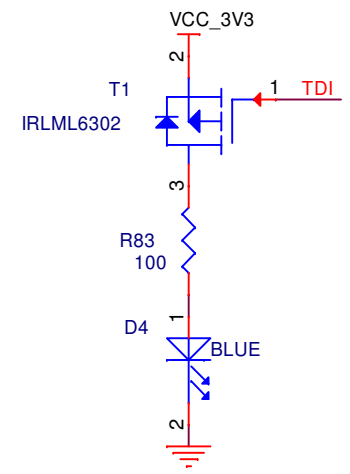
MCU PINS



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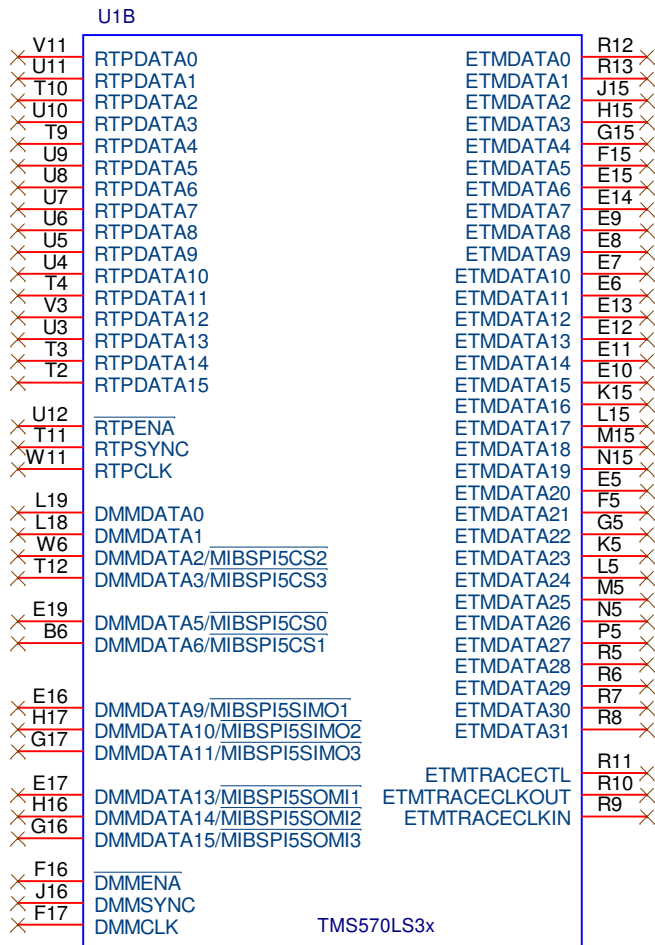


JTAG LED

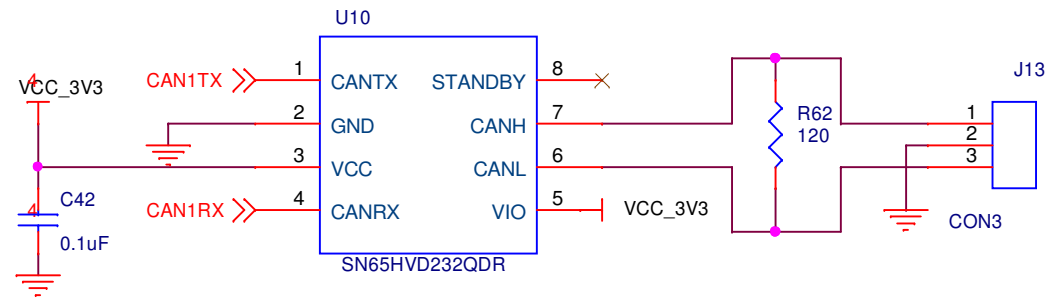


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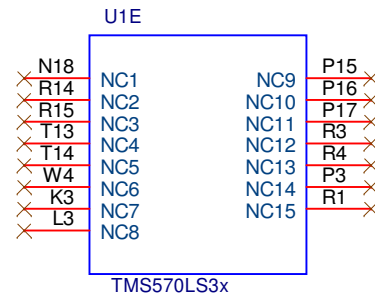
Unused Pins



Can Transceiver



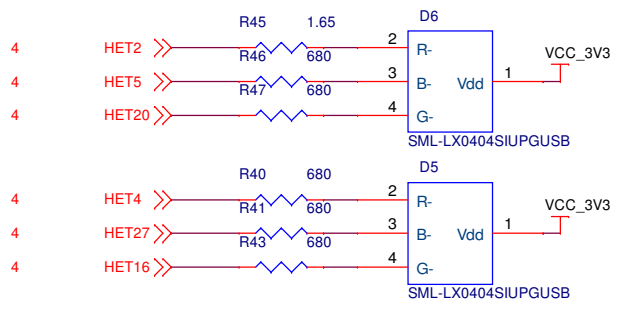
No Connects



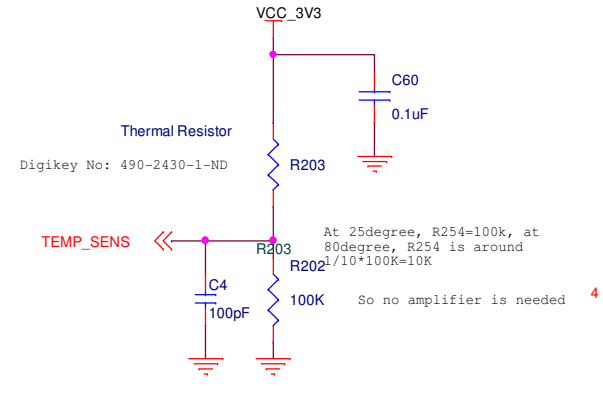
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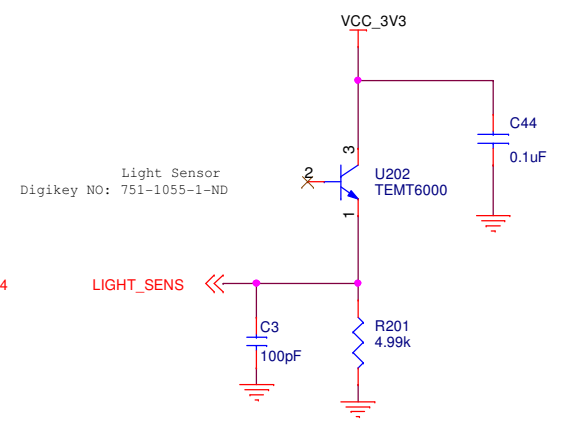
Tri-Color LEDs



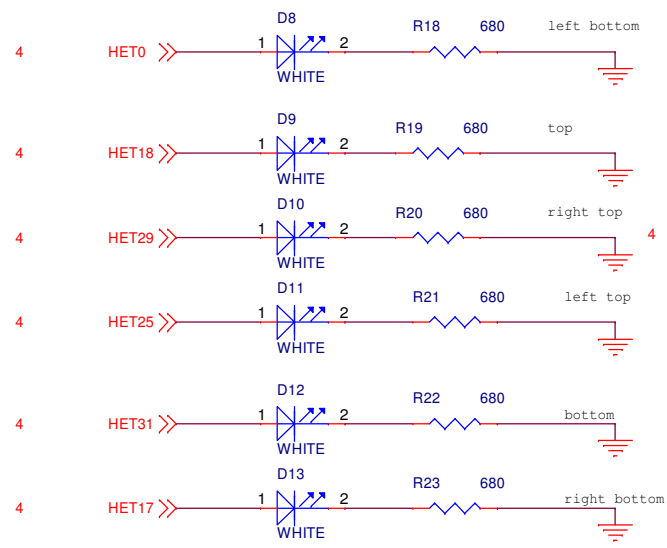
Temperature Sensor



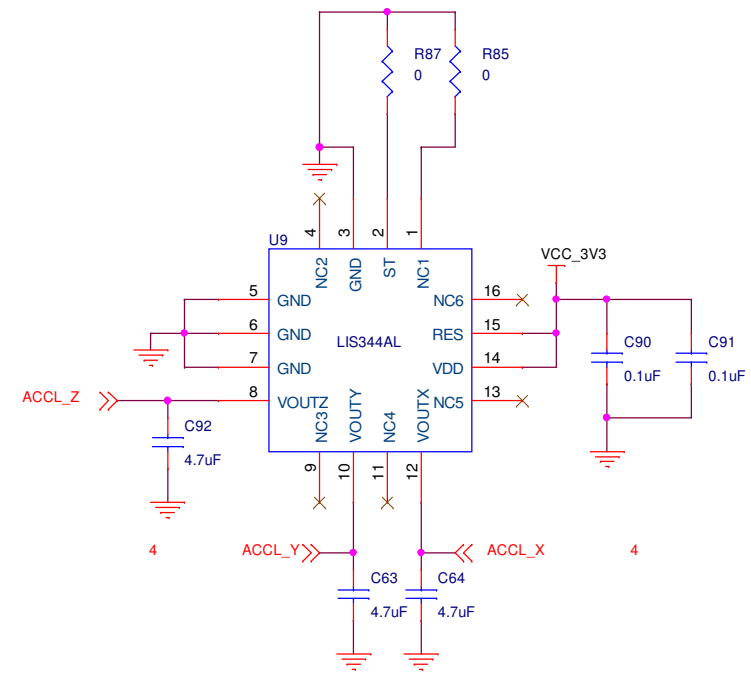
Light Sensor



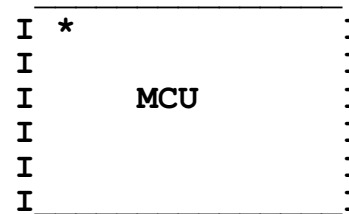
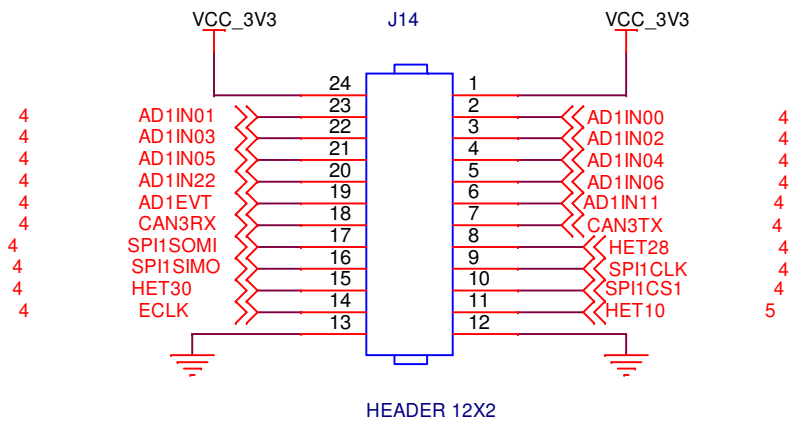
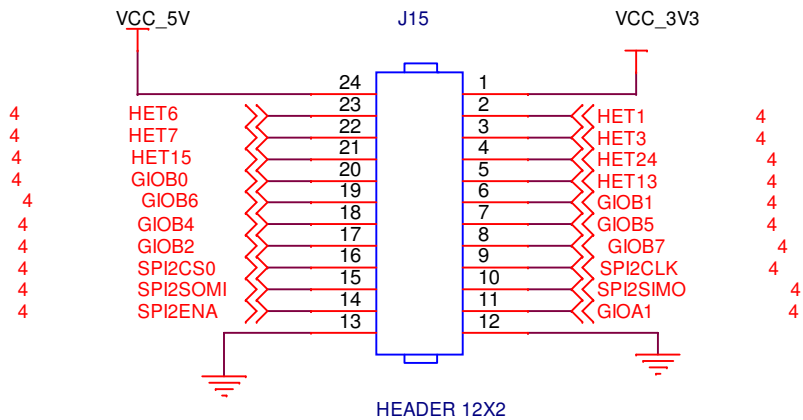
LEDs



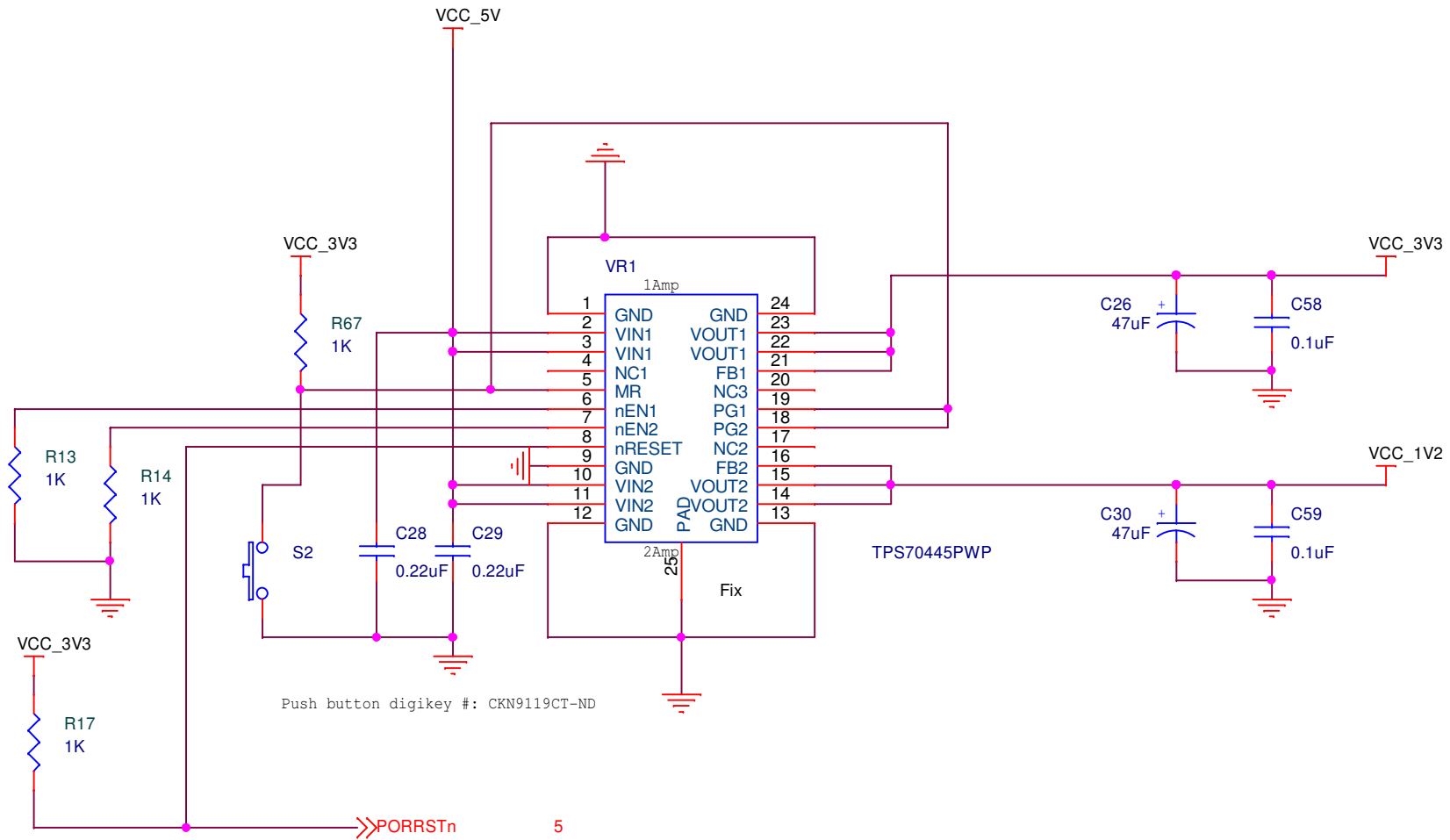
Accelerometer



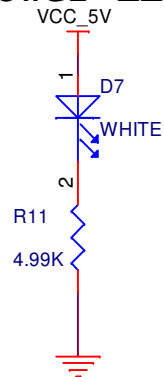
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Power LED



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