

REV	DESCRIPTION	Date
1.0	Initial production release	02/21/2016
1.0a	Performed cosmetic changes to improve readability	03/09/2016

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3	Touchscreen LCD, CAN BUS and EEPROM
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5	UART Multiplexer
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8	KNX Module
9	Power Input, Main Connectors and Buttons

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TITLE: RFMicronHermesRFM_1_0

Document Number: RFMicron Hermes Schematics

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MD1C

BBB J1

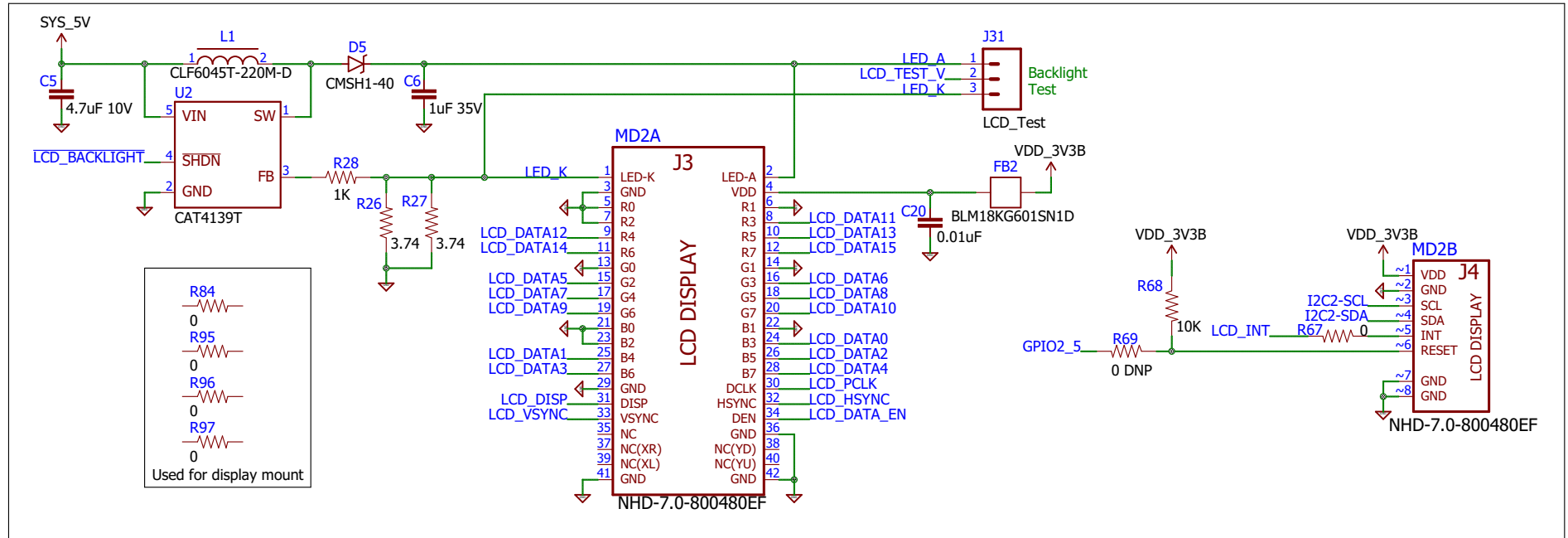
1 GND
2 NC
3 NC
4 B_UART0_RX
5 B_UART0_TX
6 NC

UART0_RX
UART0_TX

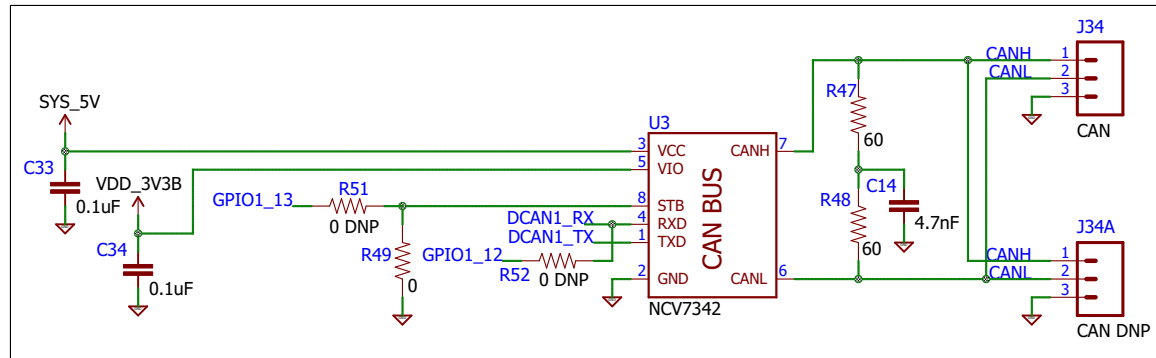
BeagleBone Black



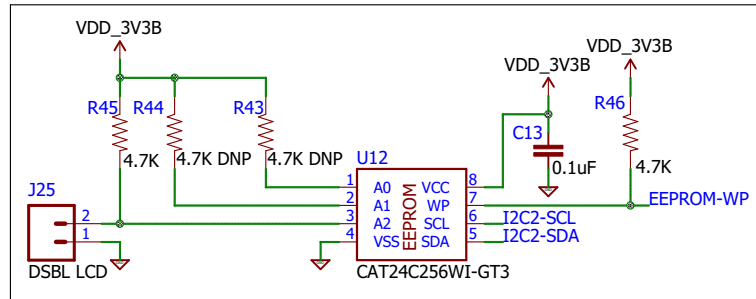
CAPACITIVE LCD TOUCHSCREEN INTERFACE



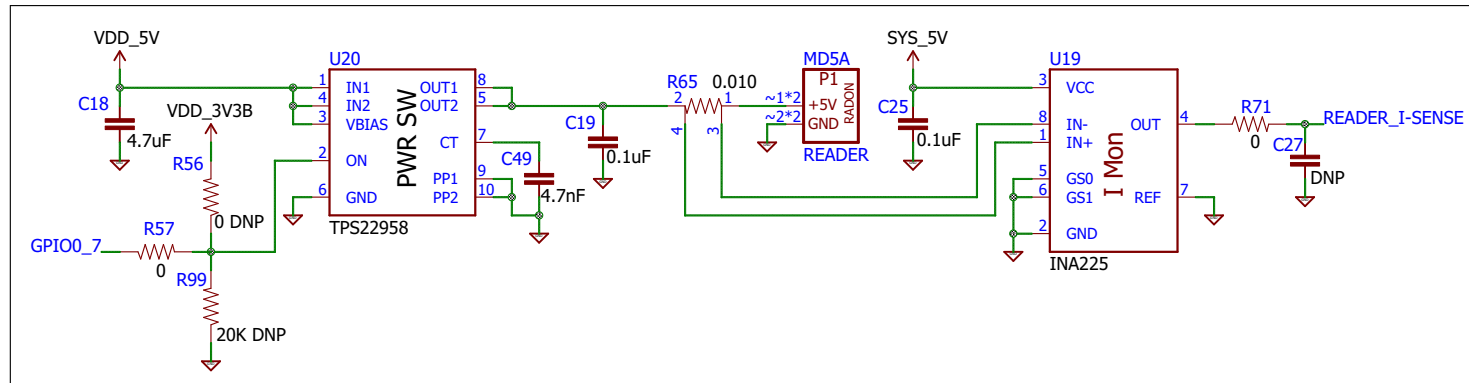
CAN BUS INTERFACE



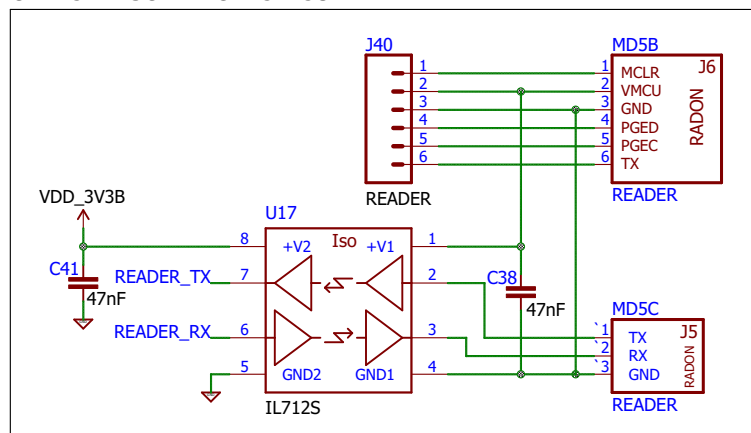
ID EEPROM



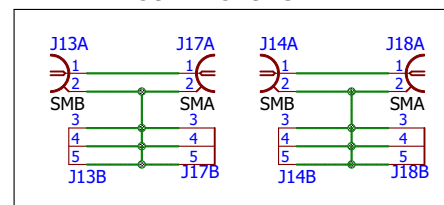
POWER SWITCH AND CURRENT MEASUREMENT CIRCUITS



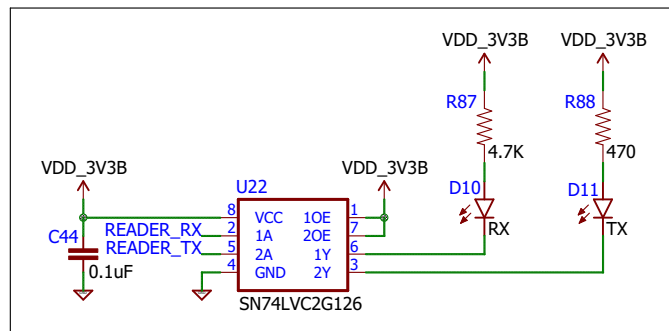
OPTICAL ISOLATION CIRCUIT



ANTENNA CONNECTORS



UART ACTIVITY LED INDICATORS



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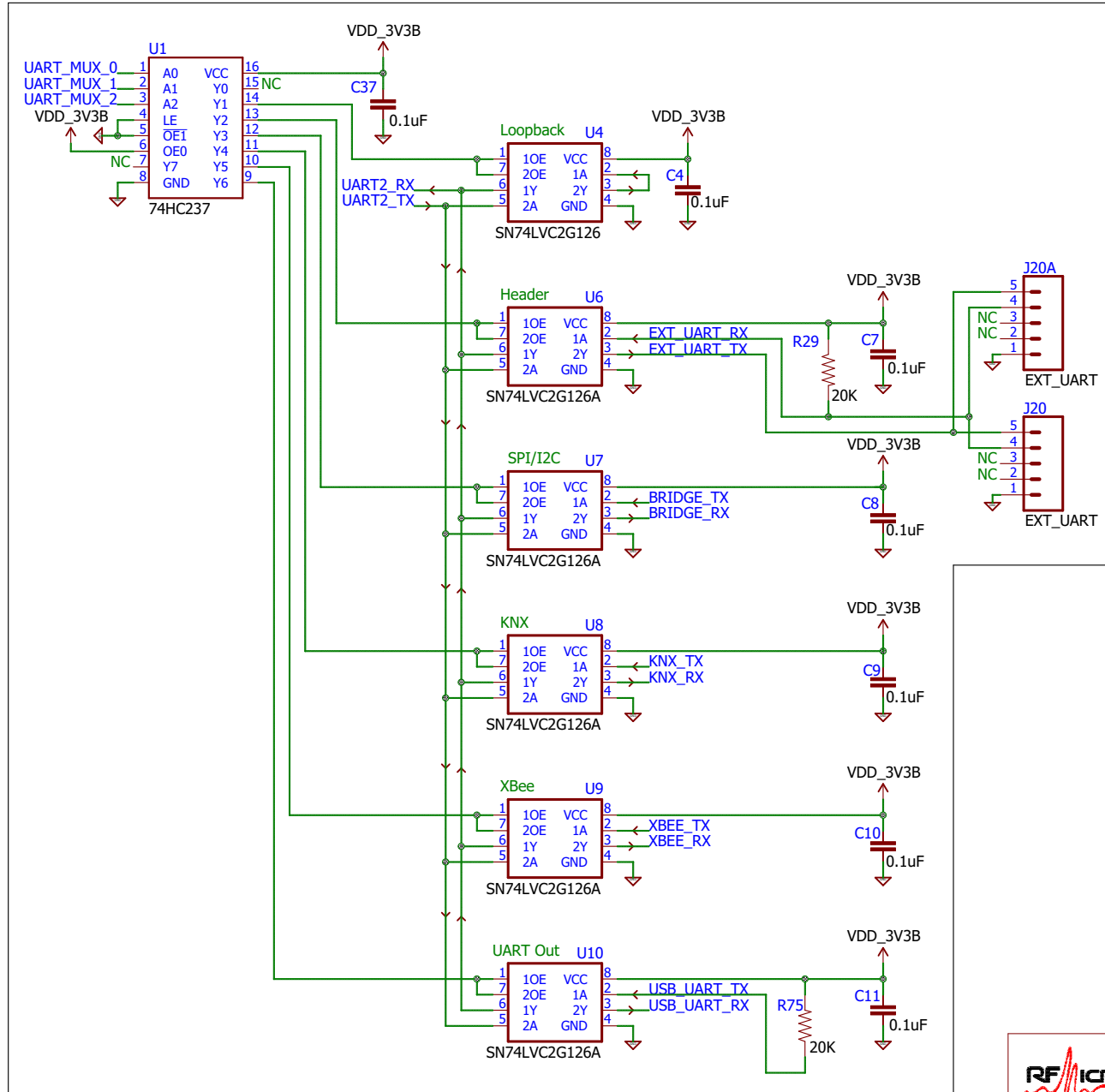
Document Number: RF ID Reader Interface

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UART MULTIPLEXER



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TITLE: RFMicronHermesRFM_1_0

Document Number: UART Multiplexer

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A



C

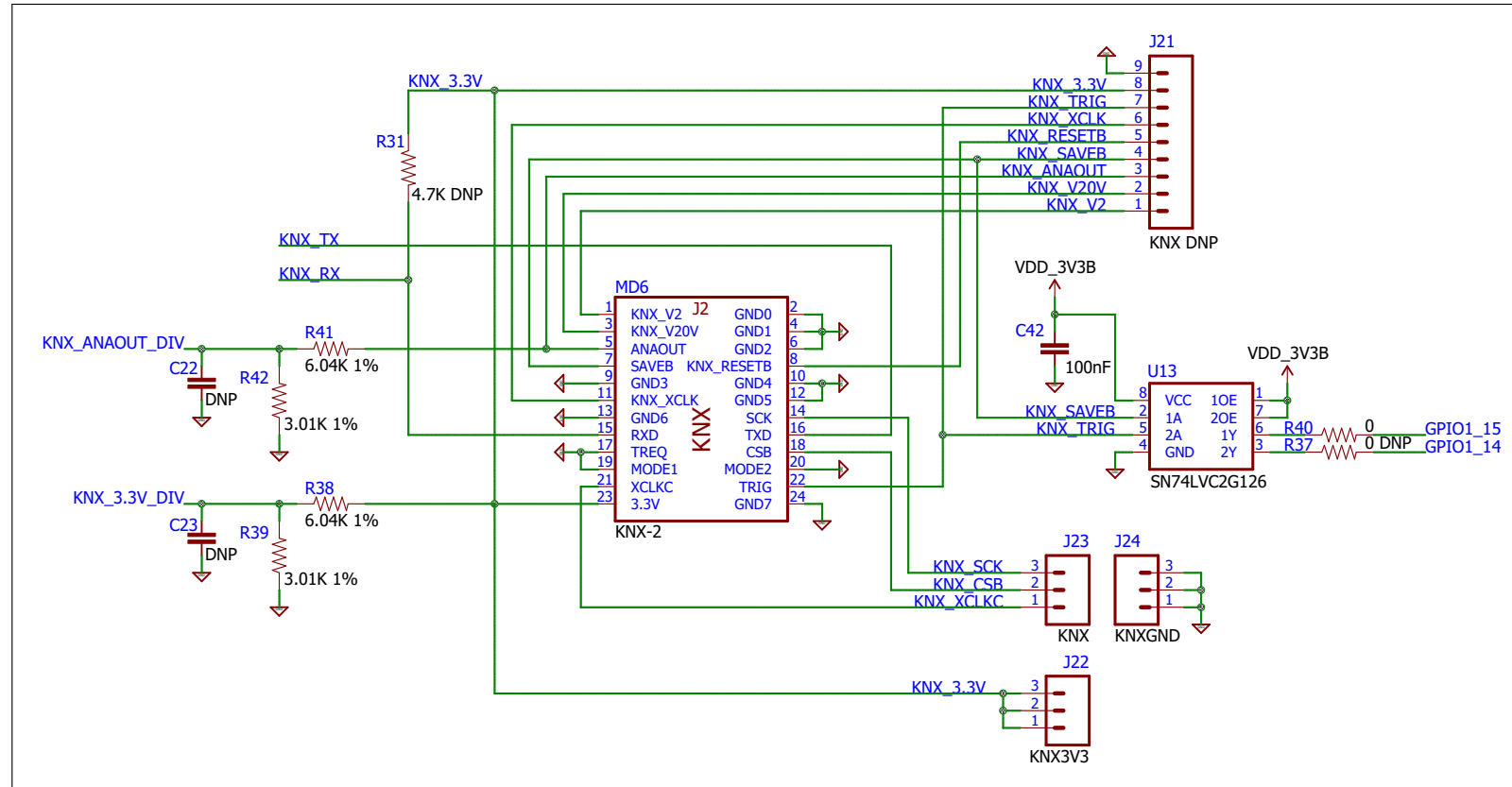


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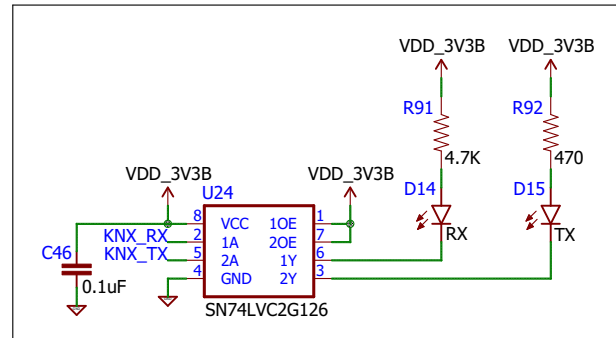
REV:
1.0a

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KNX MODULE



UART ACTIVITY LED INDICATORS



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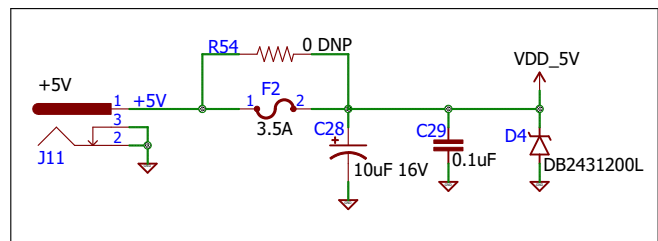
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REV: 1.0a

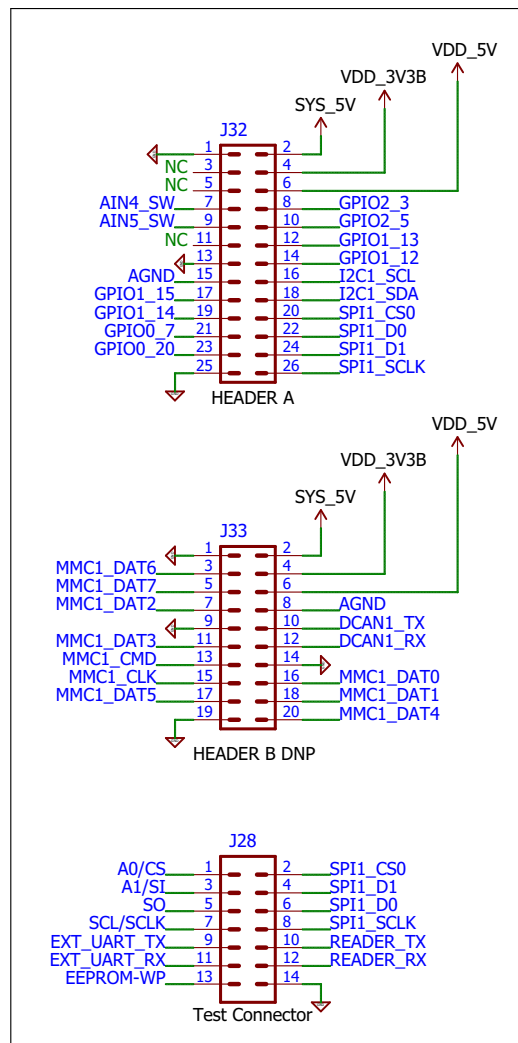
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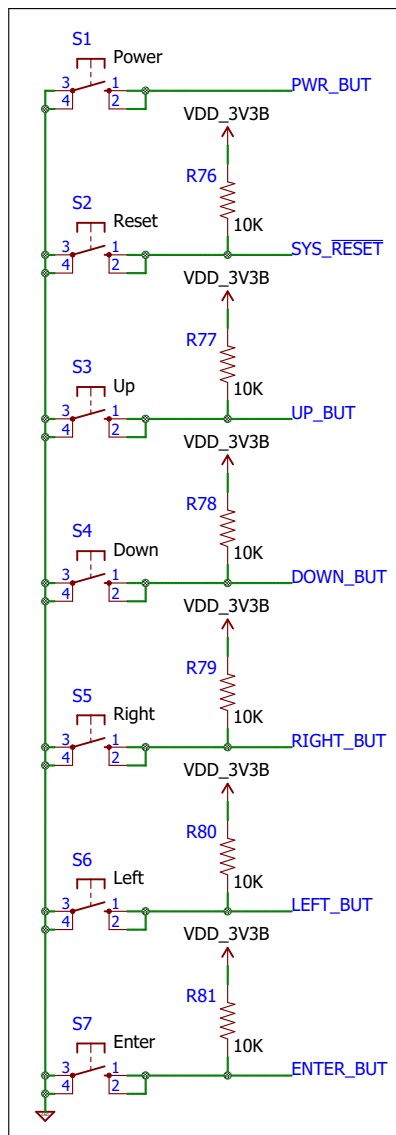
POWER INPUT



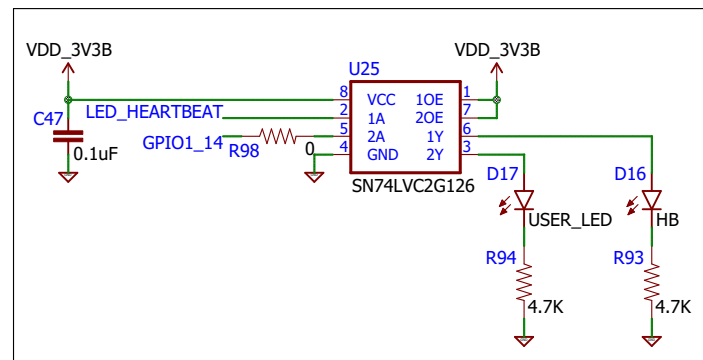
EXTERNAL CONNECTORS



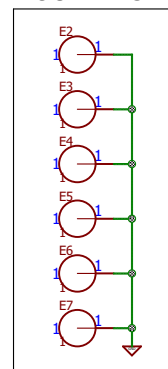
USER BUTTONS



LED INDICATION



MOUNTING HOLES



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