

2560_TrainingKit

Variant: [No Variations]

26/02/2021
V1

RELEASED DD-MMM-YYYY

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DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational
design notes.

DESIGN NOTE:
Example text for critical
design notes.

DESIGN NOTE:
Example text for cautionary
design notes.

LAYOUT NOTE:
Example text for critical
layout guidelines.

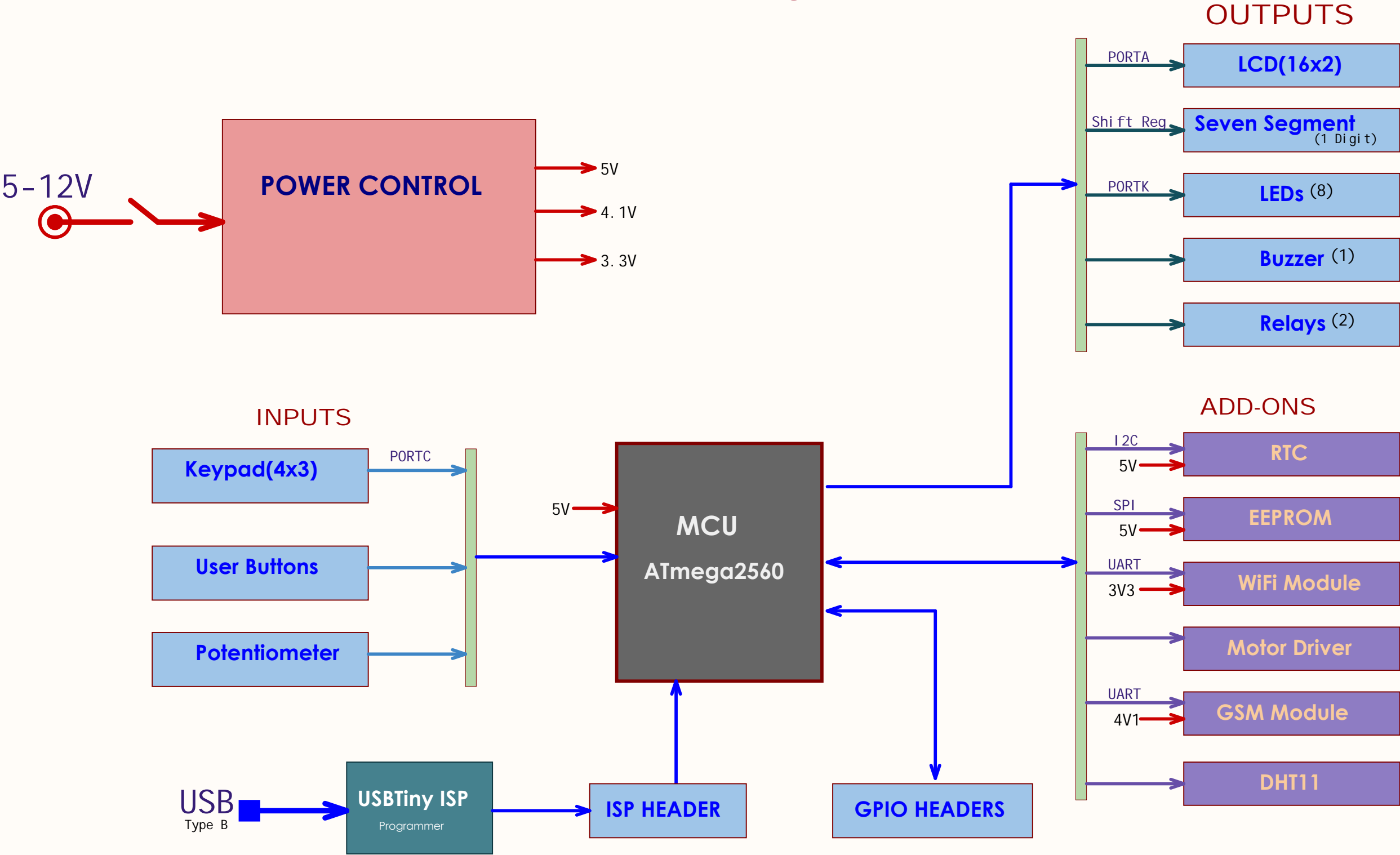
DESIGN NOTE:
Example text for debug notes.



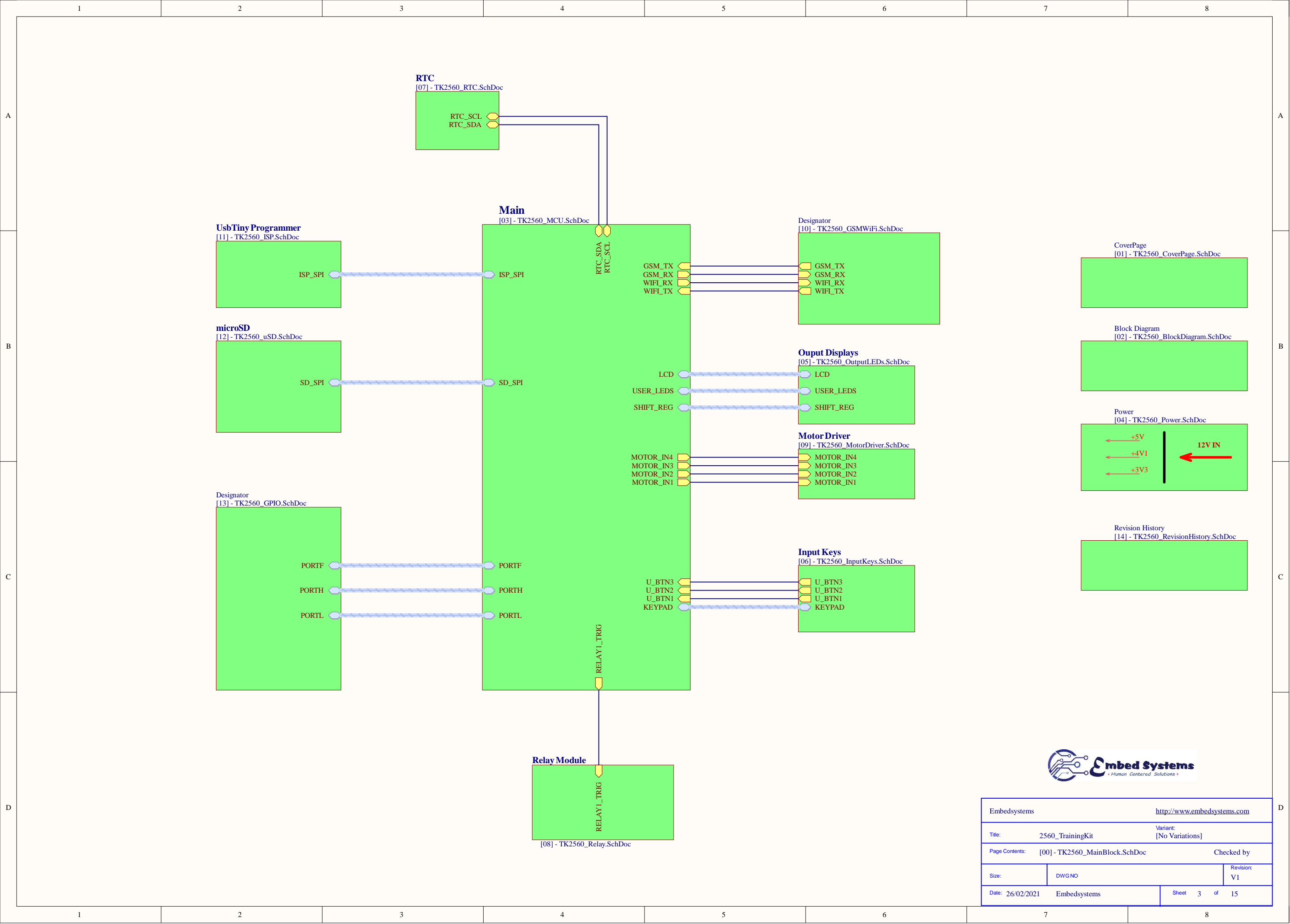
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Title: 2560_TrainingKit		Variant: [No Variations]	
Page Contents: [01] - TK2560_CoverPage.SchDoc		Checked by	
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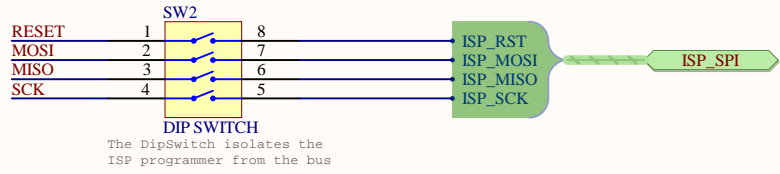
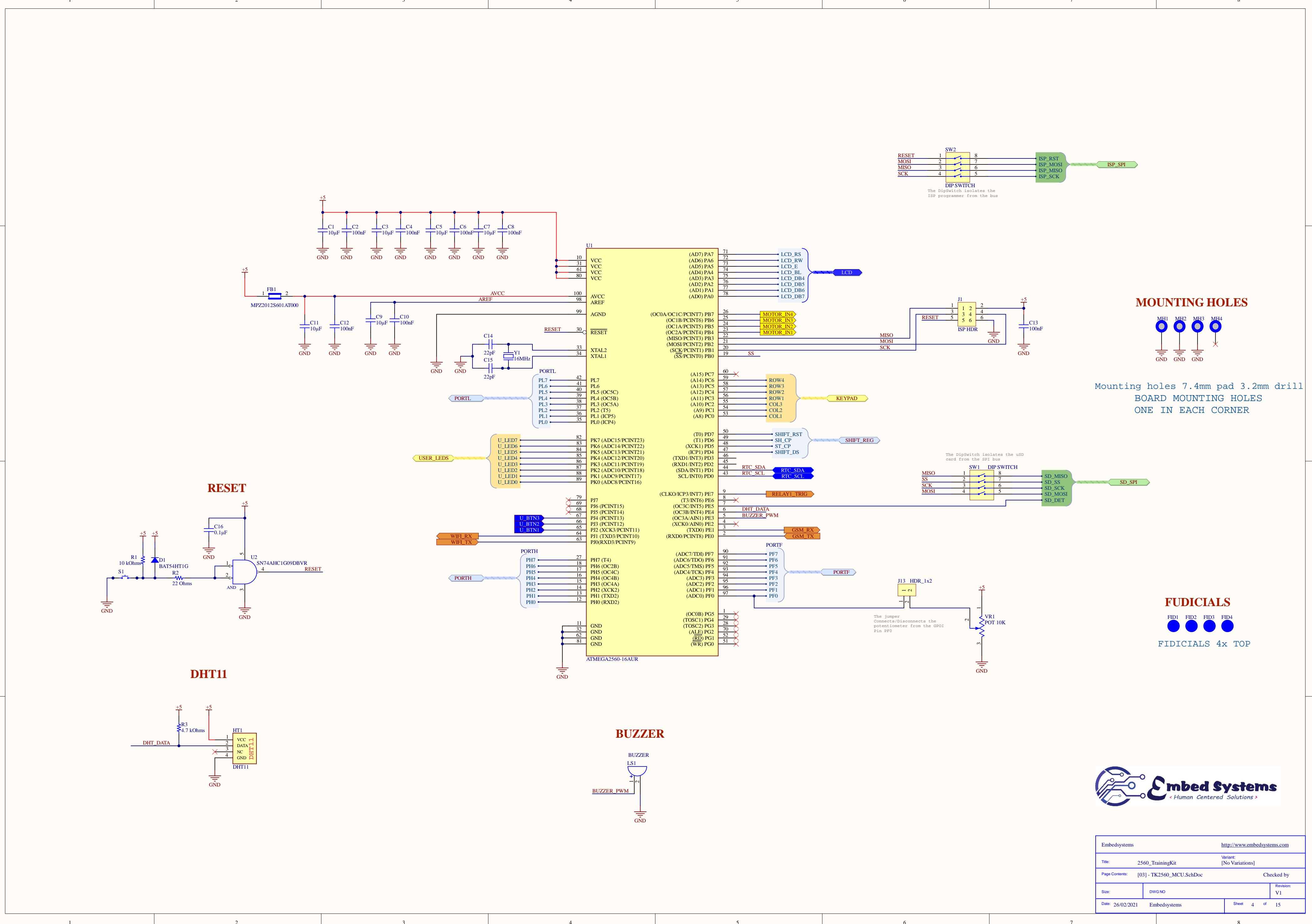
2560_TrainingKit

(Block Diagram)

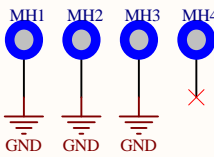


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Page Contents:	[02] - TK2560_BlockDiagram.SchDoc		Checked by
Size:	DWG NO		Revision: V1
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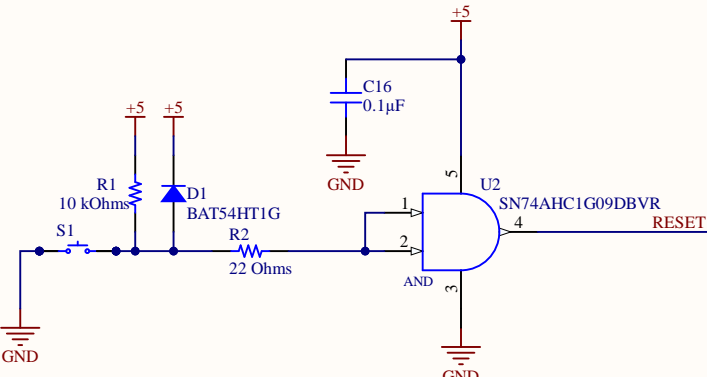


MOUNTING HOLES

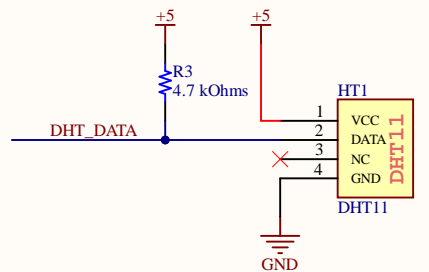


Mounting holes 7.4mm pad 3.2mm drill
BOARD MOUNTING HOLES
ONE IN EACH CORNER

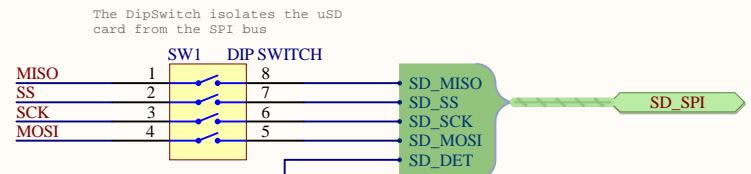
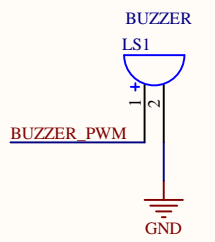
RESET



DHT11



BUZZER

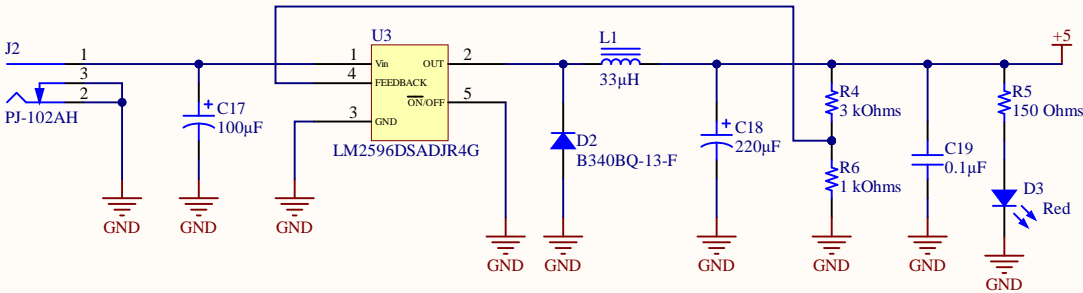


FUDICIALS

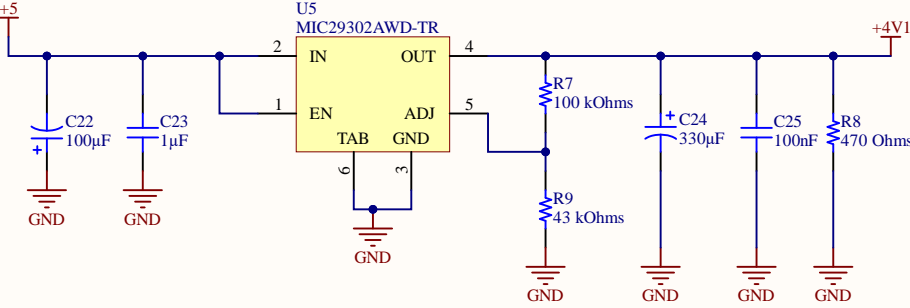
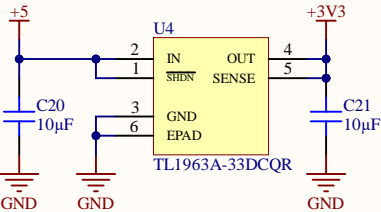


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POWER SUPPLY

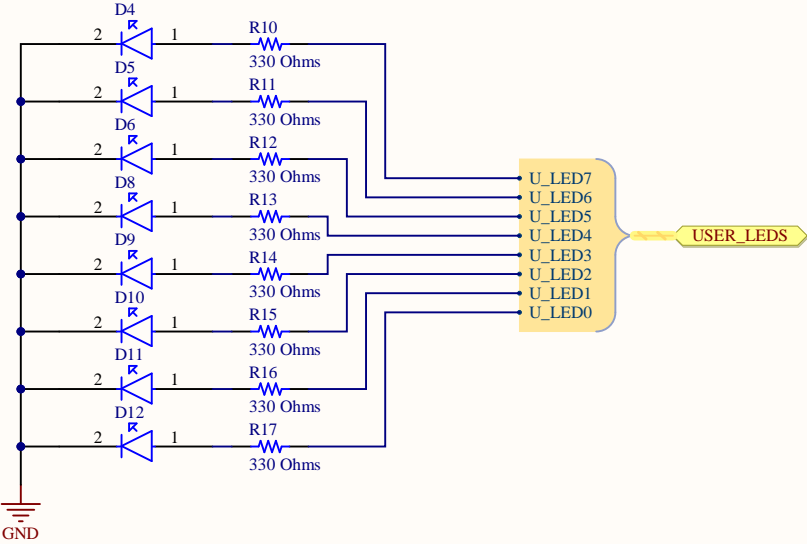


3V3 LDO

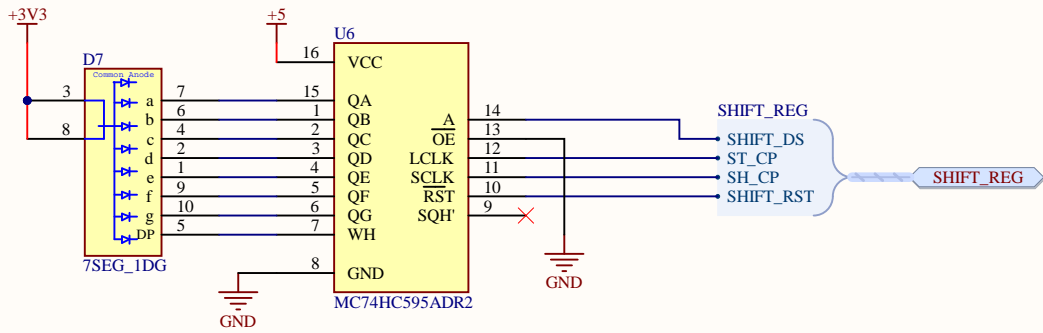


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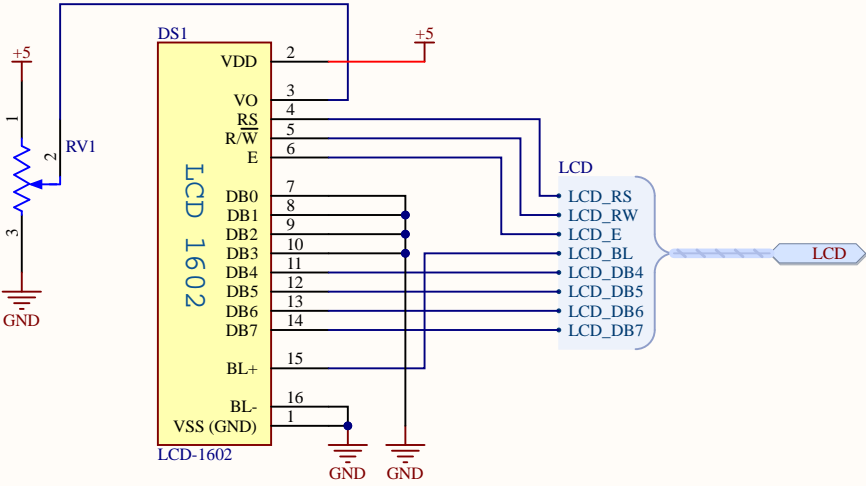
USER LEDS



SEVEN SEGMENT

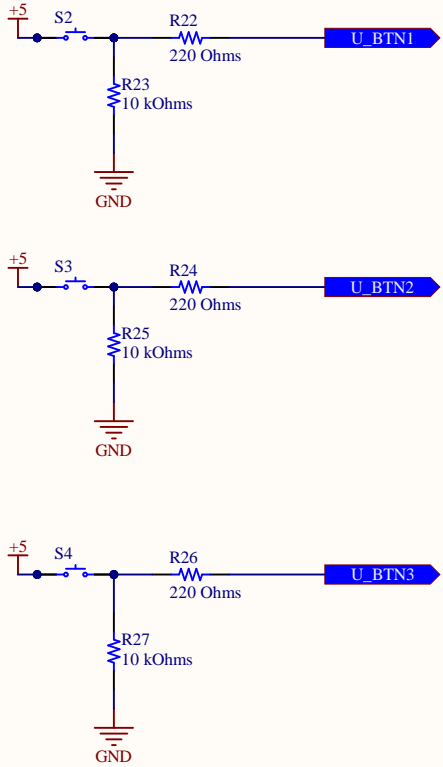


LCD



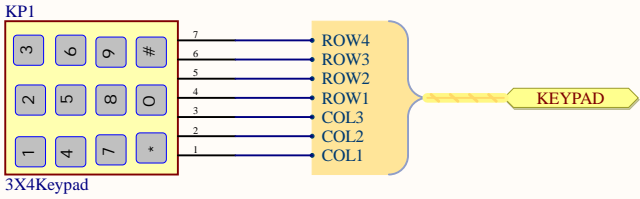
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Page Contents: [05] - TK2560_OutputLEDs.SchDoc		Checked by	
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USER BUTTONS



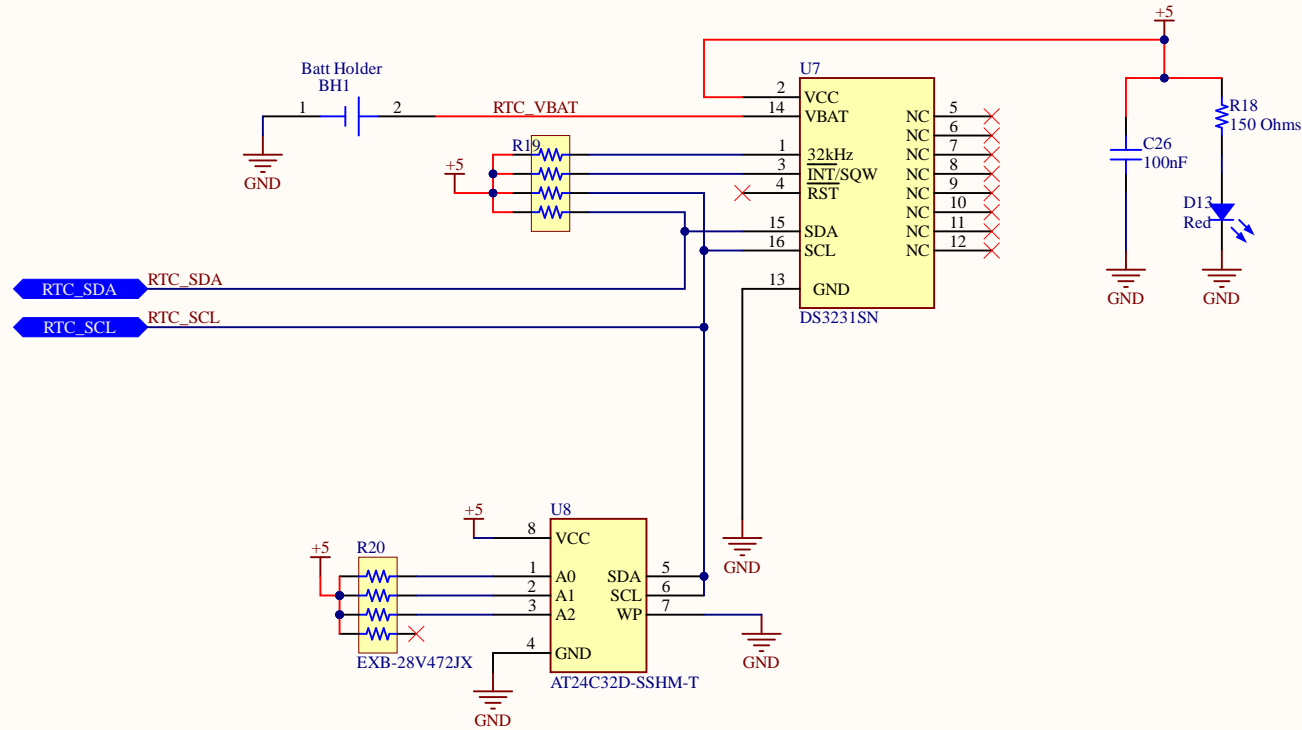
DESIGN NOTE:
Button debouncing will be
done in software

KEYPAD



Embedsystems		http://www.embedsystems.com	
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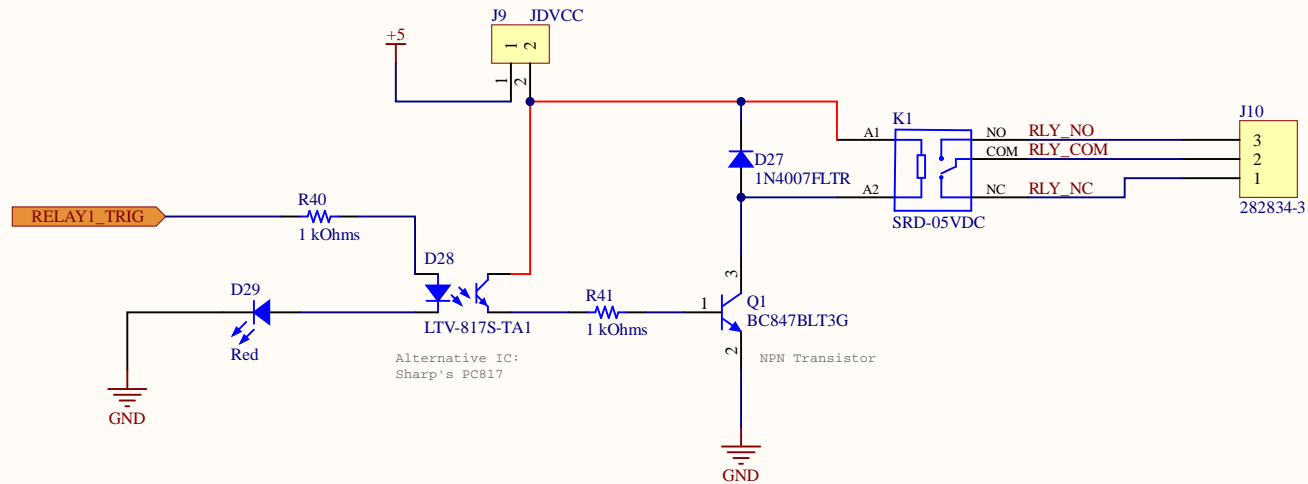
RTC



Embedsystems		http://www.embedsystems.com	
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Page Contents:		[07] - TK2560_RTC.SchDoc	
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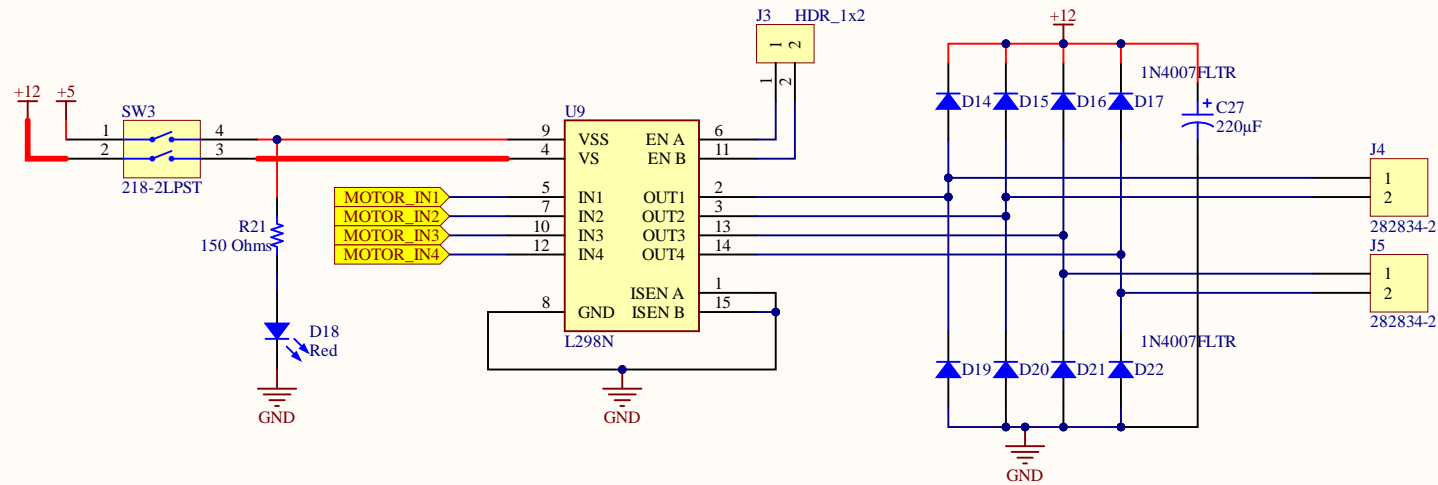
RELAY

JDVCC selects using a
seperate 5V Vcc or using the
MCU VCC



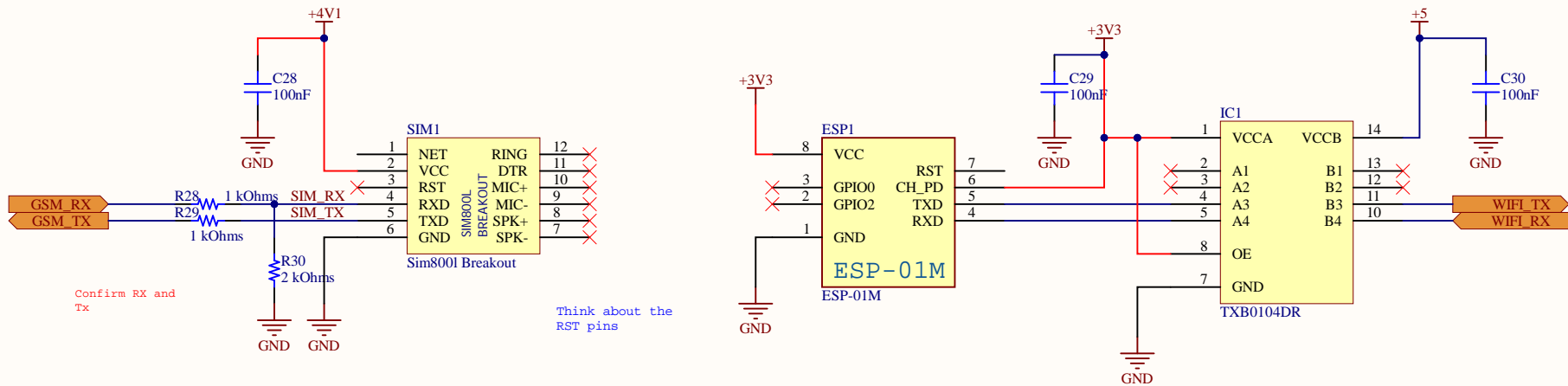
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MOTOR DRIVER



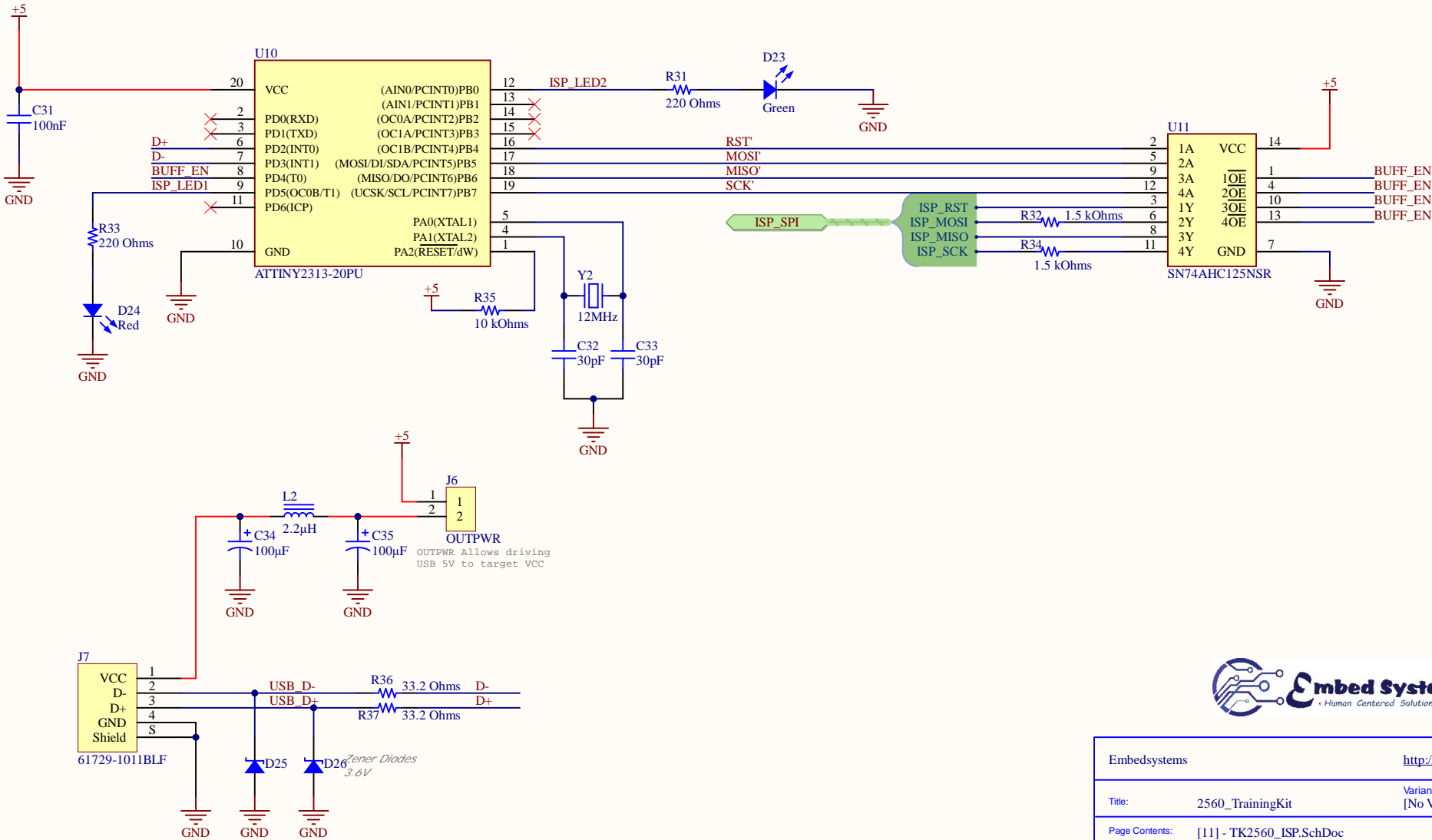
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GSM - WiFi



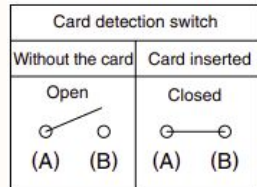
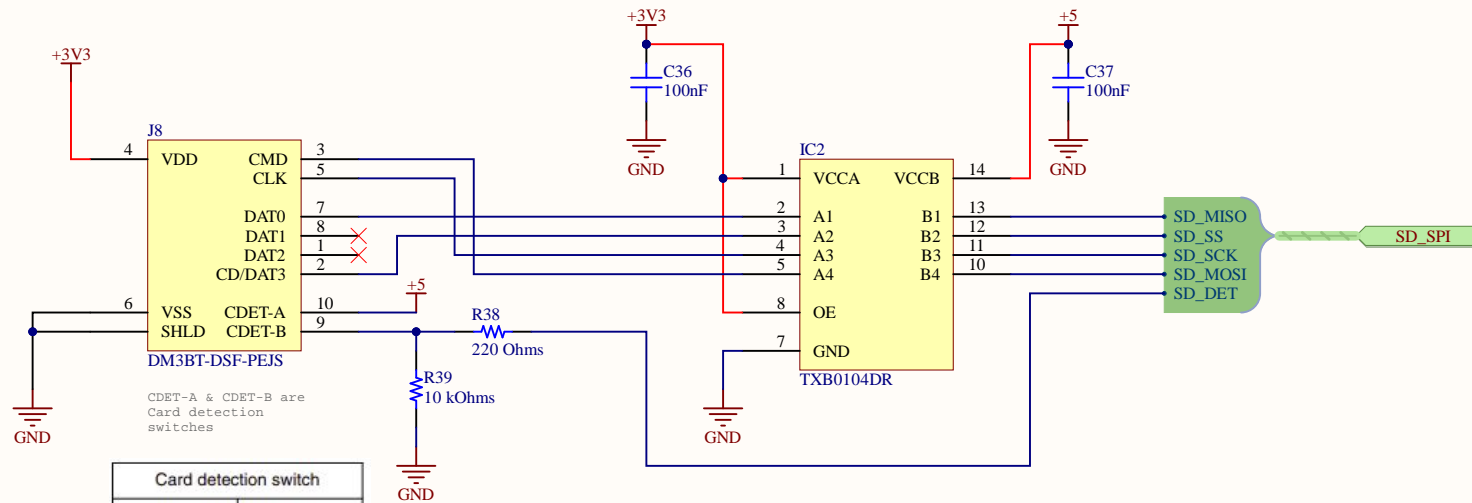
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USBTiny ISP



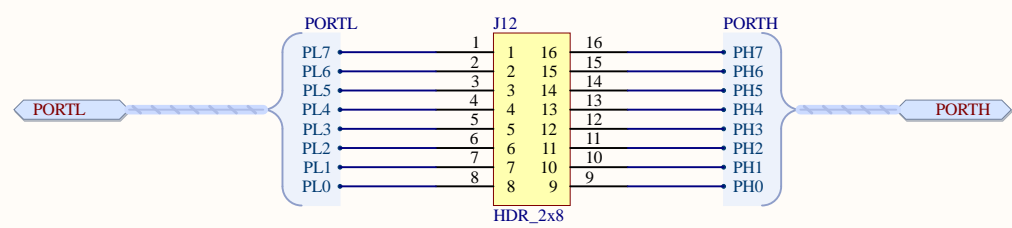
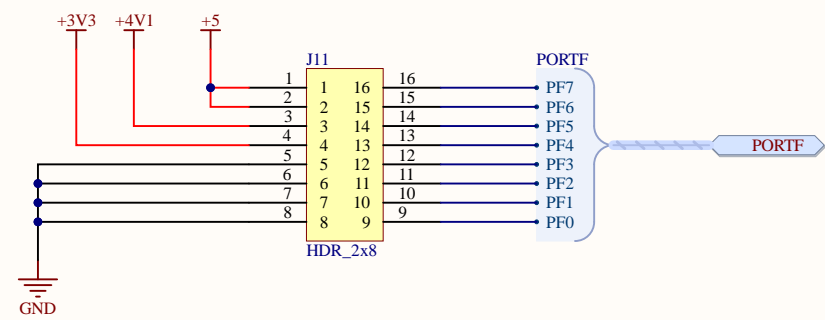
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uSD CARD



Embedsystems		http://www.embedsystems.com	
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GPIO HEADER



Embedsystems		http://www.embedsystems.com	
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REVISION HISTORY



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