

2560_TrainingKit

Variant: [No Variations]

2/28/2021
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.

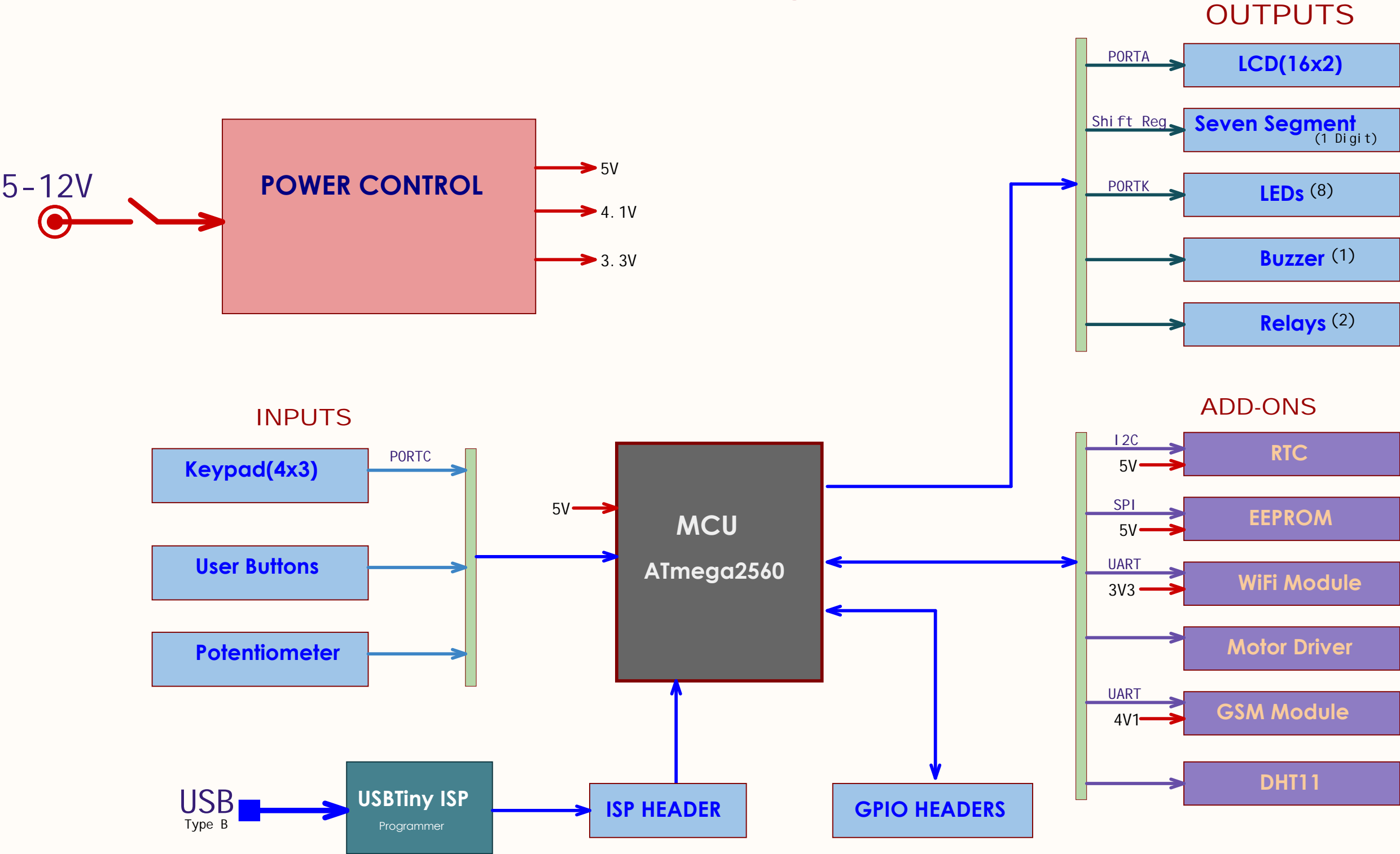
DESIGN NOTE:
Example text for debug notes.



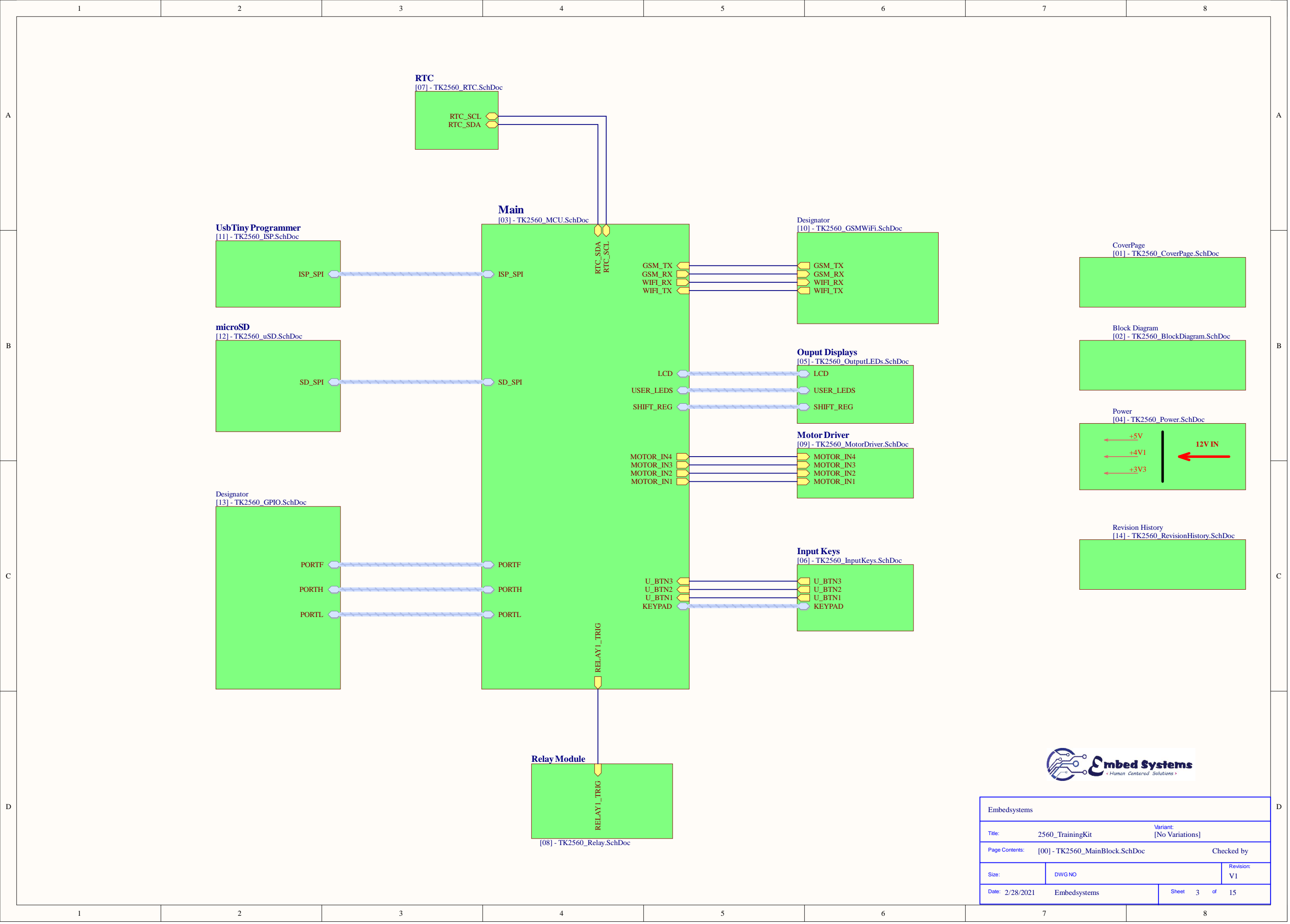
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Title:	2560_TrainingKit	Variant: [No Variations]
Page Contents:	[01] - TK2560_CoverPage.SchDoc	Checked by
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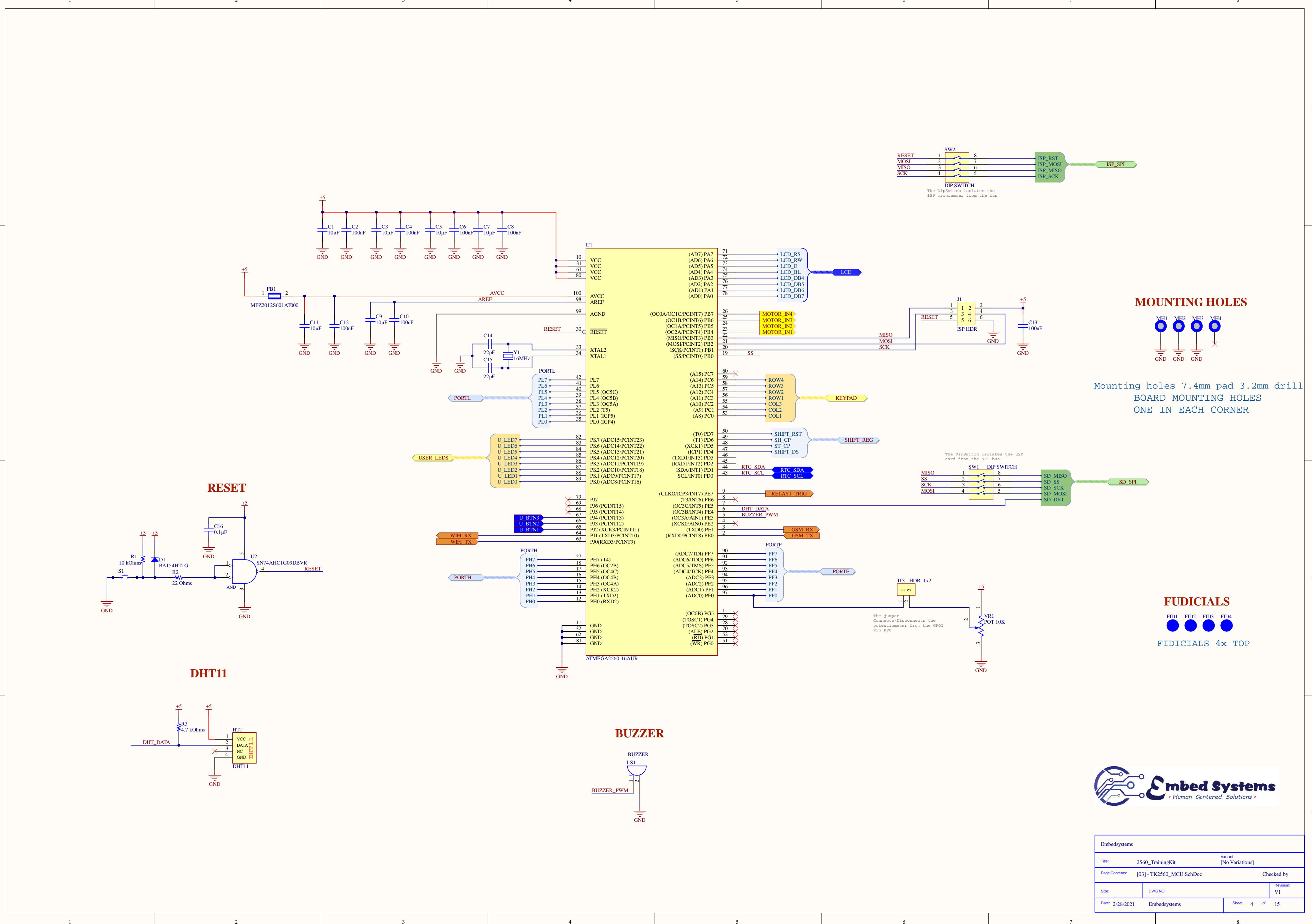
2560_TrainingKit

(Block Diagram)



Embedsystems			
Title: 2560_TrainingKit		Variant: [No Variations]	
Page Contents: [02] - TK2560_BlockDiagram.SchDoc		Checked by	
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A

B

C

D

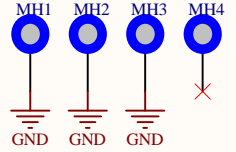
A

B

C

D

MOUNTING HOLES



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

FUDICIALS

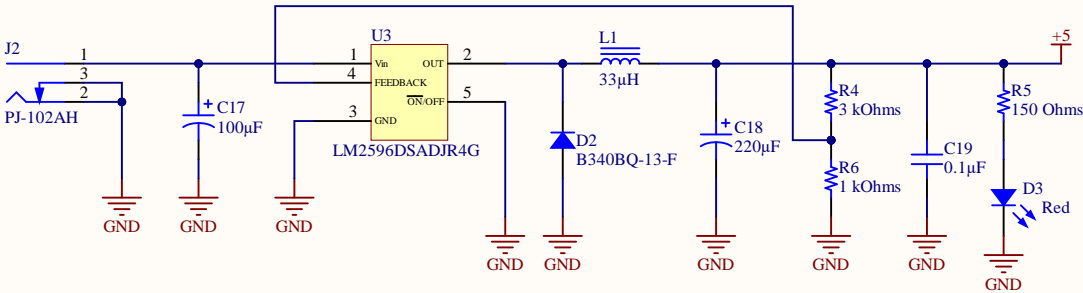


FIDICIALS 4x TOP

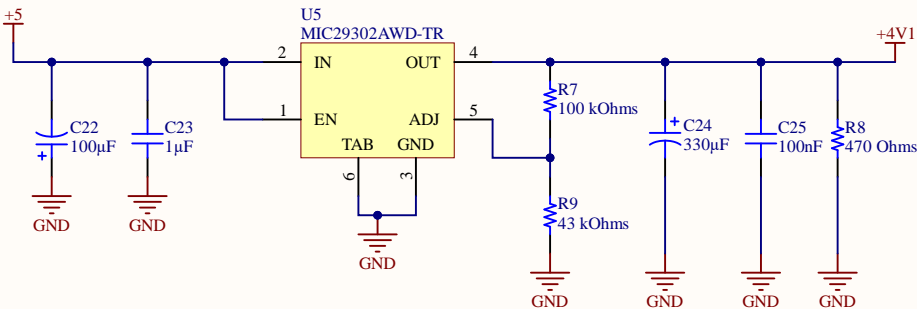
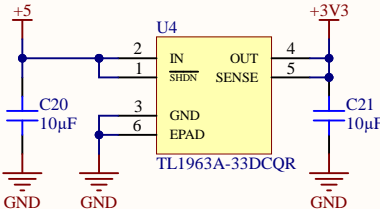


Embedsystems			
Title: 2560_TrainingKit		Variant: [No Variations]	
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POWER SUPPLY

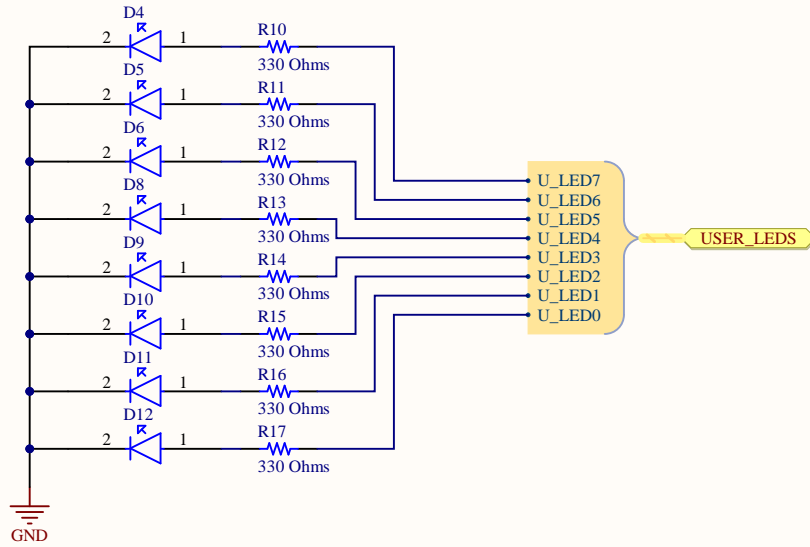


3V3 LDO

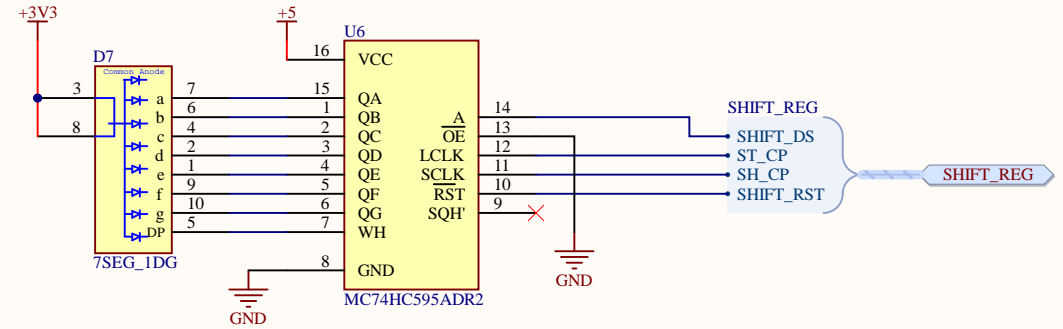


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Page Contents:		[04] - TK2560_Power.SchDoc	
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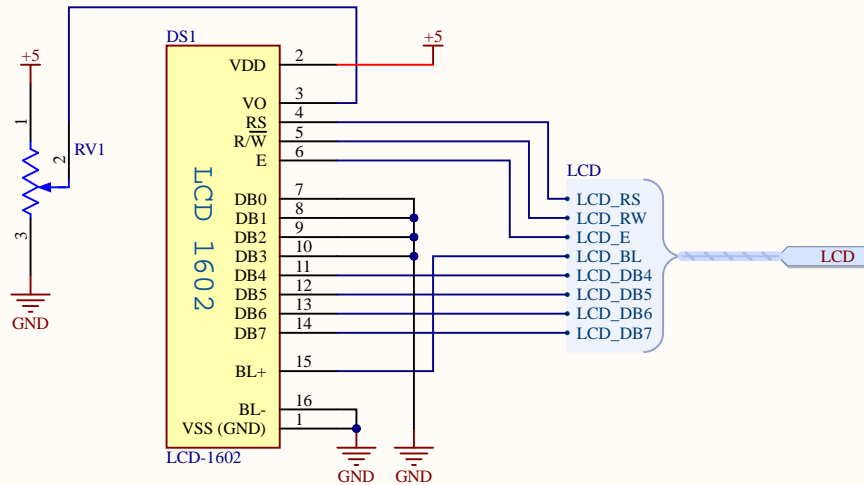
USER LEDS



SEVEN SEGMENT

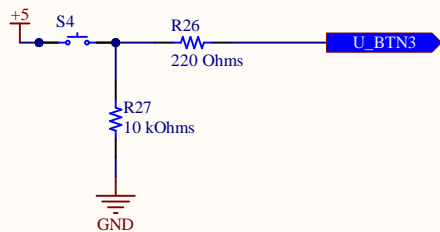
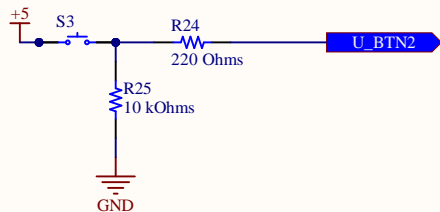
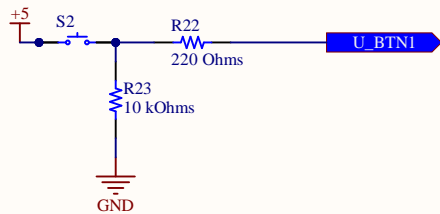


LCD



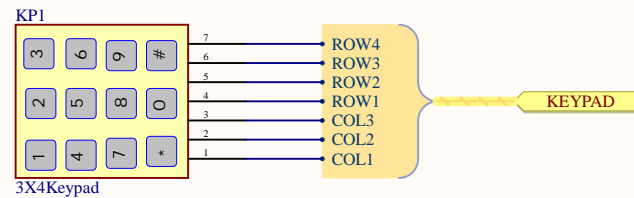
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Page Contents:		[05] - TK2560_OutputLEDs.SchDoc	Checked by
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USER BUTTONS



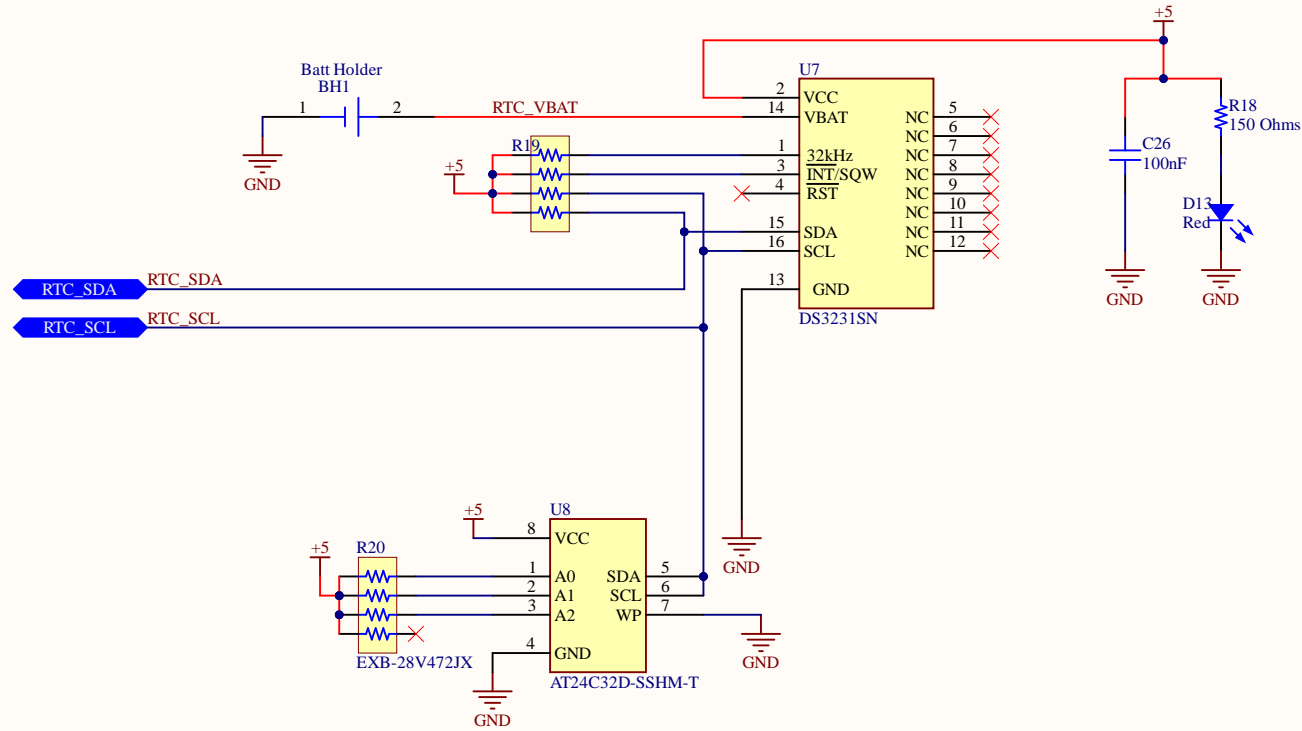
DESIGN NOTE:
Button debouncing will be
done in software

KEYPAD



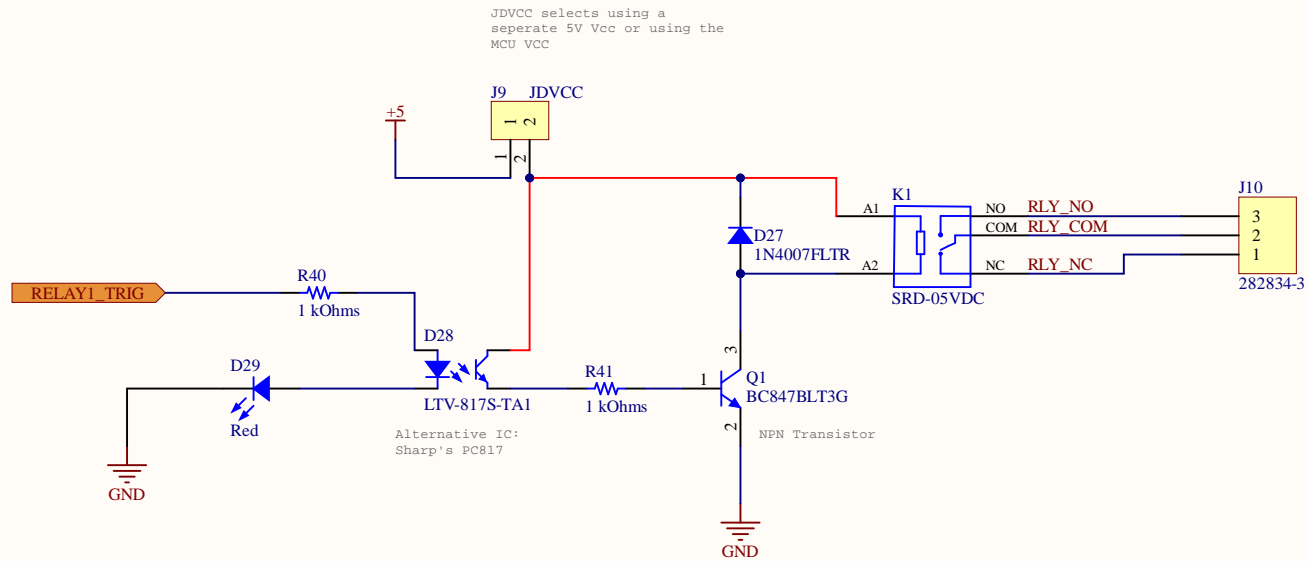
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Page Contents:	[06] - TK2560_InputKeys.SchDoc	Checked by
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RTC



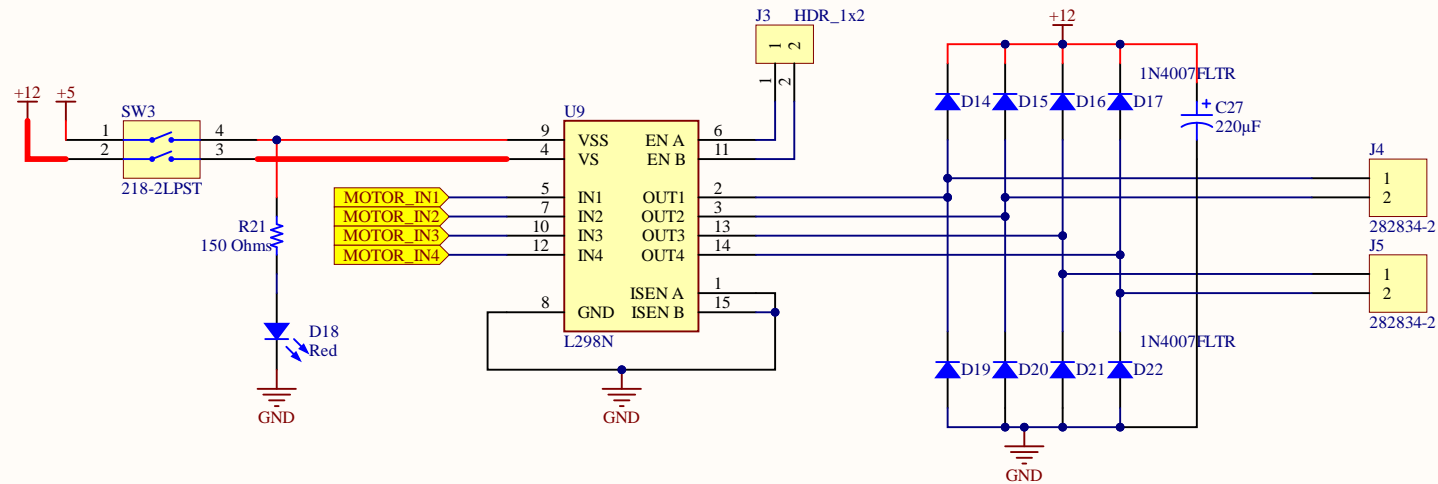
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Page Contents:		[07] - TK2560_RTC.SchDoc	
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RELAY



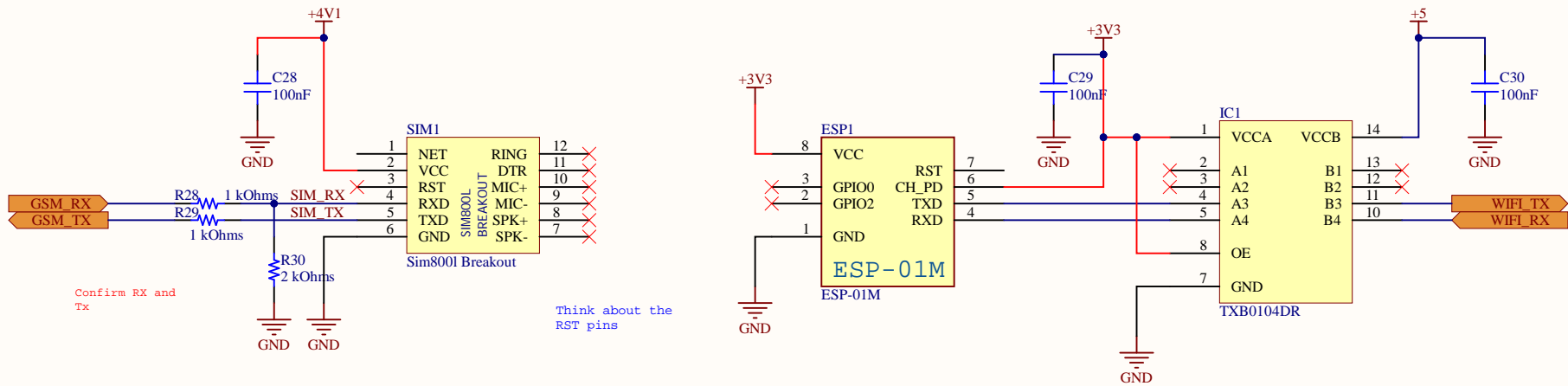
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MOTOR DRIVER



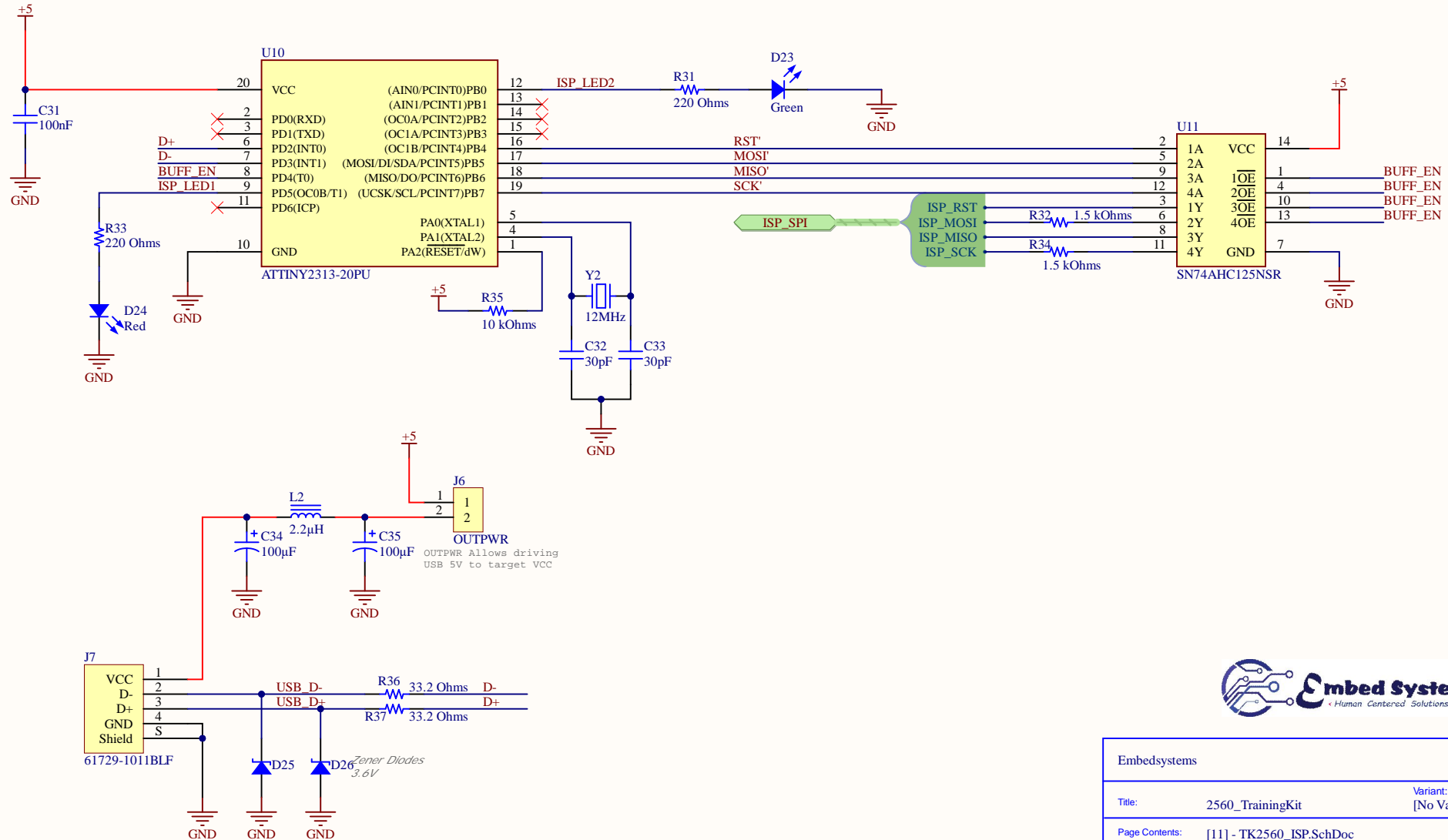
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GSM - WiFi



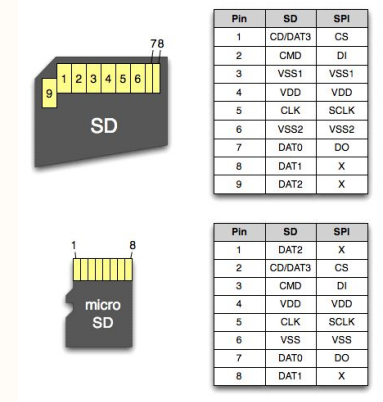
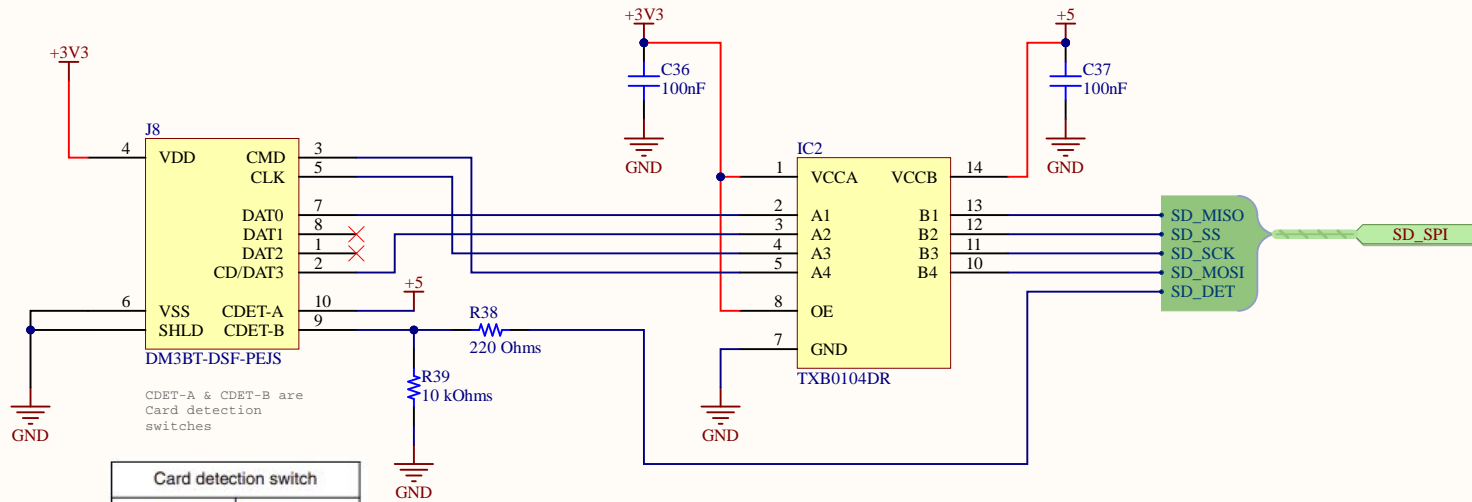
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USBTiny ISP



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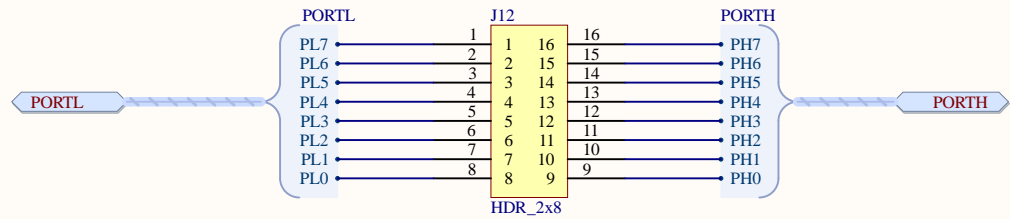
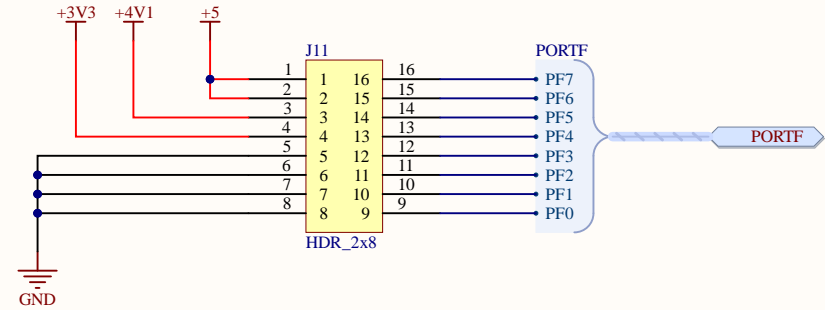
uSD CARD



Card detection switch	
Without the card	Card inserted
<p>Open</p> <p>(A) (B)</p>	<p>Closed</p> <p>(A) (B)</p>



GPIO HEADER



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REVISION HISTORY



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[14] - TK2560_RevisionHistory.SchDoc			
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