



DKNCZ20 - Z-Wave Eval Kit

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PCBDKNCZ20B20-02

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REVISION	DESCRIPTION	DATE	APPROVED
A01	Release	02/18/2025	02/25/2025

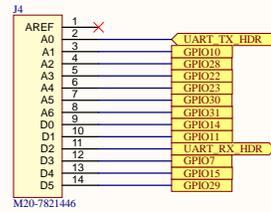
		Website: www.TridentIoT.com Support: Support@TridentIoT.com		Board Name DKNCZ20 - Z-Wave Eval Kit	
APPROVALS DSN MA, AN 02/18/2025		TITLE Title Page		REV A01	
CHK AN, JS, BW 02/25/2025		SIZE Part Number B DKNCZ20B20-02		SHEET 1 OF 5	
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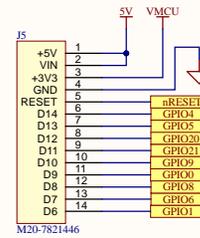
DKNCZ20B20-02	A01	2	2		1
PART NO.	REV.	REV.	REV.	DESCRIPTION	DATE APPROVED
	A01	Release			02/25/2025 AN, JS, BW

GPIO Breakout Headers

J4 Pin Function
1 AREF
2 GPIO17 UART TX
3 GPIO10 SWCLK/SPI0_SCLK/PWM
4 GPIO28 SDA/PWM/AIO4
5 GPIO22 SPI0_SDAT0/SCL/PWM/AIO1
6 GPIO23 SPI0_SDAT1/SDA/PWM/AIO2
7 GPIO30 SPI0_SDAT0/SCL/PWM/AIO6
8 GPIO31 SPI0_SDAT1/SDA/PWM/AIO7
9 GPIO14 SPI0_SDAT2/PWM/SCL
10 GPIO11 SWDIO/SPI0_CSNO/PWM/SDA
11 GPIO16 UART RX
12 GPIO7 SPI0_CSNO/PWM/SDA
13 GPIO15 SPI0_SDAT3/PWM/SDA
14 GPIO29 SPI0_CSNO/PWM/SDA

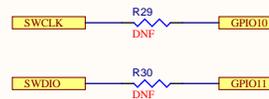


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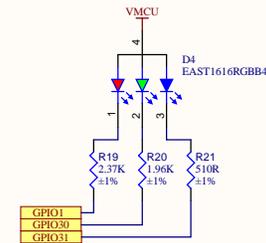
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J5 Pin Function
1 +5V
2 VMCU
3 +3V3
4 GND
5 RESET nRESET
6 GPIO4 SPI0_DATA2/SPI0_CSNI/SCL/PWM
7 GPIO5 SPI0_SDAT0/SDA/PWM
8 GPIO20 SPI0_SCLK/SCL/PWM
9 GPIO21 SPI0_CSNO/SDA/PWM/AIO0
10 GPIO9 SPI0_SDAT1/PWM
11 GPIO0 SPI0_CSNI/PWM
12 GPIO8 SPI0_DATA0/PWM
13 GPIO6 SPI0_SCLK/PWM
14 GPIO1 SPI0_CSNI/SDA/PWM

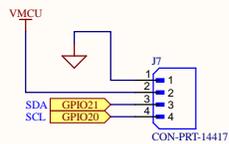


NOTE: Populate R29 and R30 to utilize GPIO10 and GPIO11 on J4
Firmware configuration must set GPIO10 and GPIO11 to GPIO mode

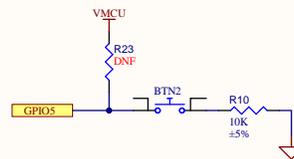
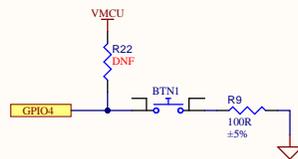
RGB LED



Buttons

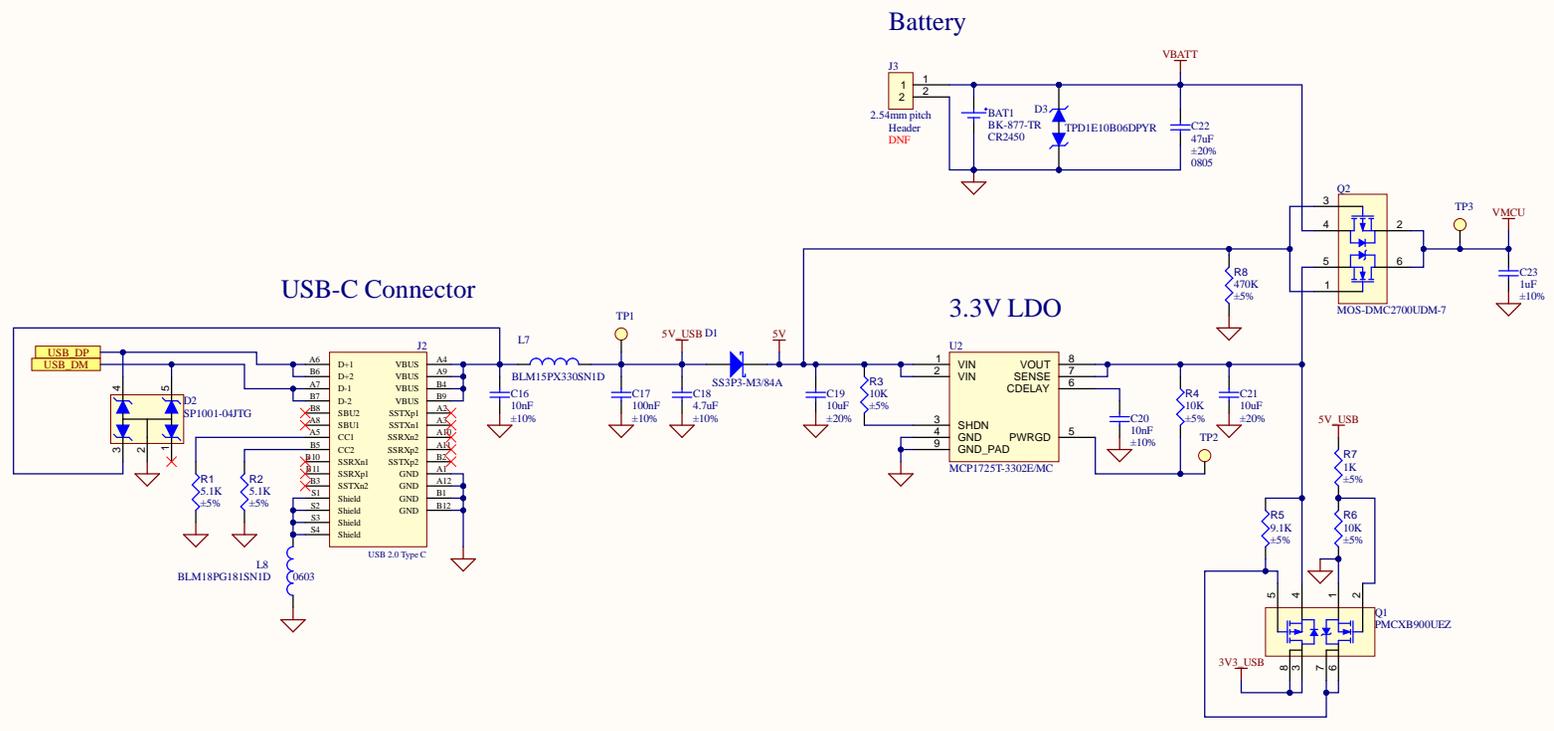


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APPROVALS DSN: MA, AN CHK: AN, JS, BW		DATE 02/18/2025 02/25/2025		TITLE Peripherals	
		SIZE B		Part Number DKNCZ20B20-02	
				REV A01	
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PART NO.	REV.	REV.	REV.	REV.
REVISION		DESCRIPTION		DATE
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				APPROVED
				AN, JS, BW





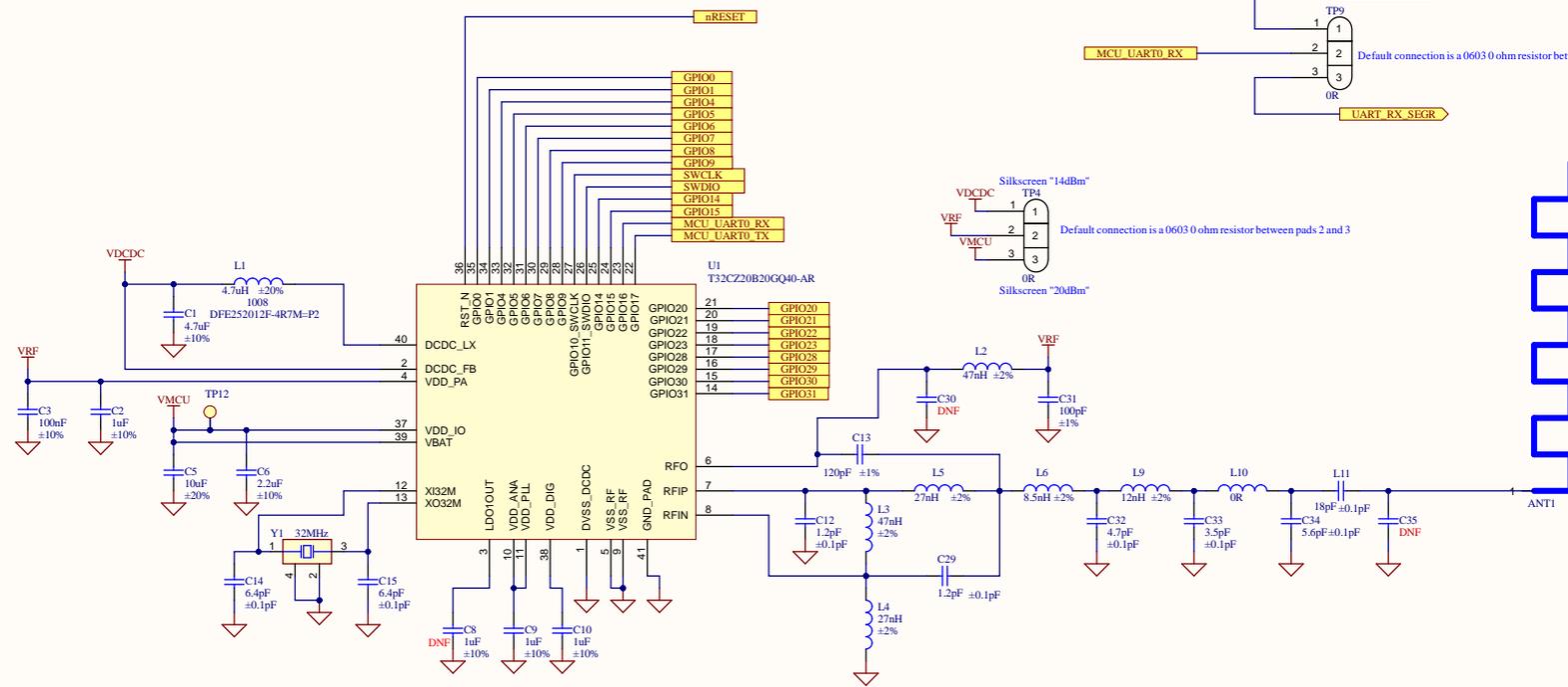
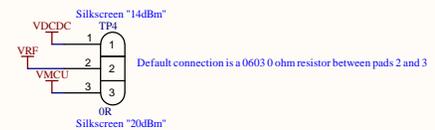
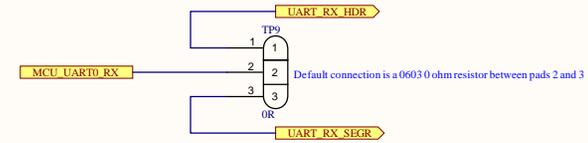
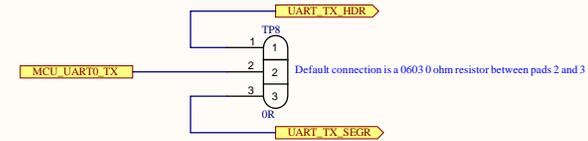
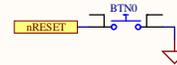
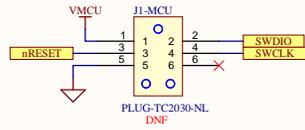
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Board Name
DKNCZ20 - Z-Wave Eval Kit

APPROVALS		DATE	TITLE	
DSN	MA, AN	02/18/2025	Power	
CHK	AN, JS, BW	02/25/2025		
		SIZE	Part Number	REV
		B	DKNCZ20B20-02	A01
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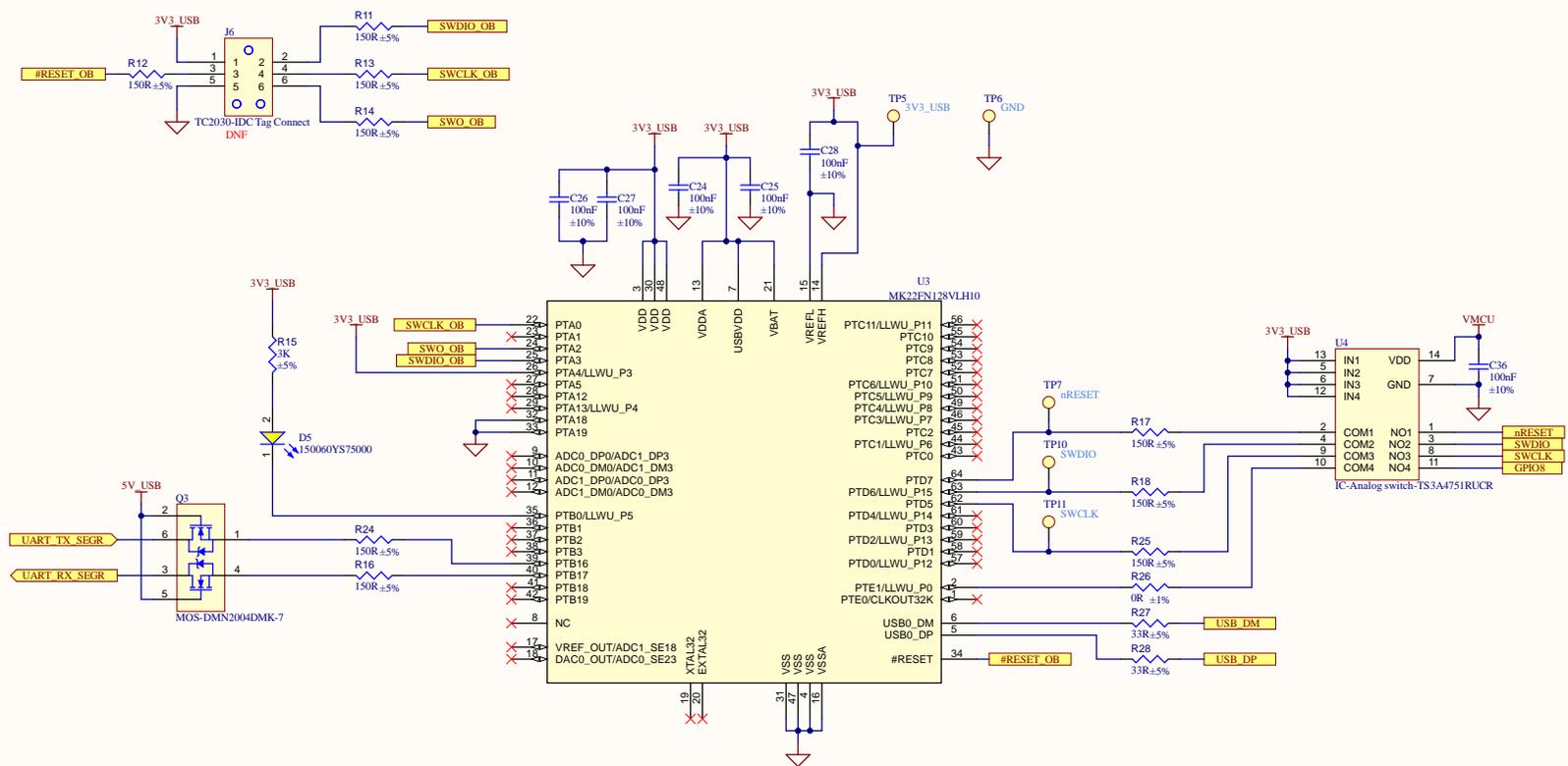
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PARTNO	REV	REV	REV	REV
REVISION			DESCRIPTION	DATE
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Programming Interface



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APPROVALS DSN: MA, AN CHK: AN, JS, BW		DATE 02/18/2025 02/25/2025		TITLE Radio Part Number DKNCZ20B20-02	
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PART NO.	REV.	REV.	DESCRIPTION	DATE
		A01	Release	02/25/2025
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