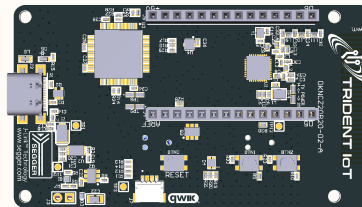




DKNCZ20 - Z-Wave Eval Kit

Board Function / Title	Page
Title Page	1
Peripherals	2
Power	3
Radio	4
SEGGER J-Link OB	5



PCBDKNCZ20B20-02

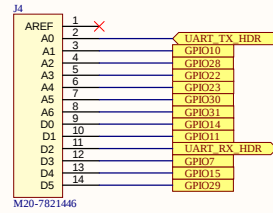
LEGAL NOTICE:
TRIDENT IOT, LLC ("TRIDENT") AND/OR ITS LICENSORS DO NOT WARRANT THE ACCURACY OR COMPLETENESS OF THIS SCHEMATIC OR ANY INFORMATION CONTAINED WITHIN THIS SCHEMATIC. IT IS PROVIDED "AS-IS" FOR REFERENCE ONLY. TRIDENT DOES NOT WARRANT THAT THIS DESIGN WILL MEET THE SPECIFICATIONS, BE SUITABLE FOR YOUR APPLICATION OR FIT FOR ANY PARTICULAR PURPOSE, OR WILL OPERATE IN YOUR IMPLEMENTATION. TRIDENT AND ITS LICENSORS DO NOT WARRANT THAT THE DESIGN IMPLIED IN THIS SCHEMATIC IS PRODUCTION-WORTHY. YOU SHOULD COMPLETELY VALIDATE AND TEST YOUR DESIGN IMPLEMENTATION TO CONFIRM SYSTEM FUNCTIONALITY FOR YOUR APPLICATION.

REVISION	DESCRIPTION	DATE	APPROVED
A04	Release	02/18/2025	02/25/2025

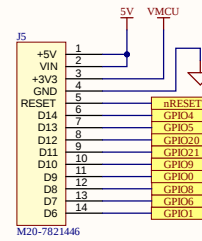
		Website: www.TridentIoT.com Support: Support@TridentIoT.com		Board Name DKNCZ20 - Z-Wave Eval Kit	
APPROVALS		DATE		TITLE	
DSN: MA, AN		02/18/2025		Title Page	
CHK: AN, JS, BW		02/25/2025		Part Number DKNCZ20B20-02	
CONFIDENTIAL AND PROPRIETARY				REV A04	
				SHEET 1 OF 5	

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 SDATA0/SCL/PWM/AIO1
6 GPIO23 SPI0 SDATA1/SDA/PWM/AIO2
7 GPIO30 SPI0 SDATA0/SCL/PWM/AIO6
8 GPIO31 SPI0 SDATA1/SDA/PWM/AIO7
9 GPIO14 SPI0 SDATA2/PWM/SCL
10 GPIO11 SWDIO/SPI0 CSN0/PWM/SDA
11 GPIO16 UART RX
12 GPIO7 SPI0 CSN0/PWM/SDA
13 GPIO15 SPI0 SDATA3/PWM/SDA
14 GPIO29 SPI0 CSN0/PWM/SDA

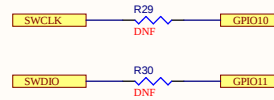


M20-7821446



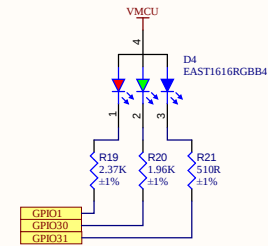
M20-7821446

J5 Pin Function
1 +5V
2 VIN
3 VMCU
4 +3V3
5 GND
6 nRESET
7 GPIO4
8 GPIO5
9 GPIO20
10 GPIO21
11 GPIO9
12 GPIO0
13 GPIO8
14 GPIO6
15 GPIO1

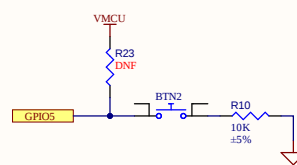
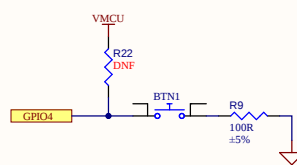
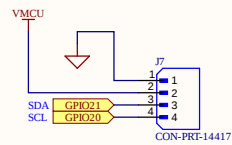


NOTE: Populate R29 and R30 to utilize GPIO10 and GPIO11 on J4
Firmware configuration must set GPIO10 and GPIO11 to GPIO mode

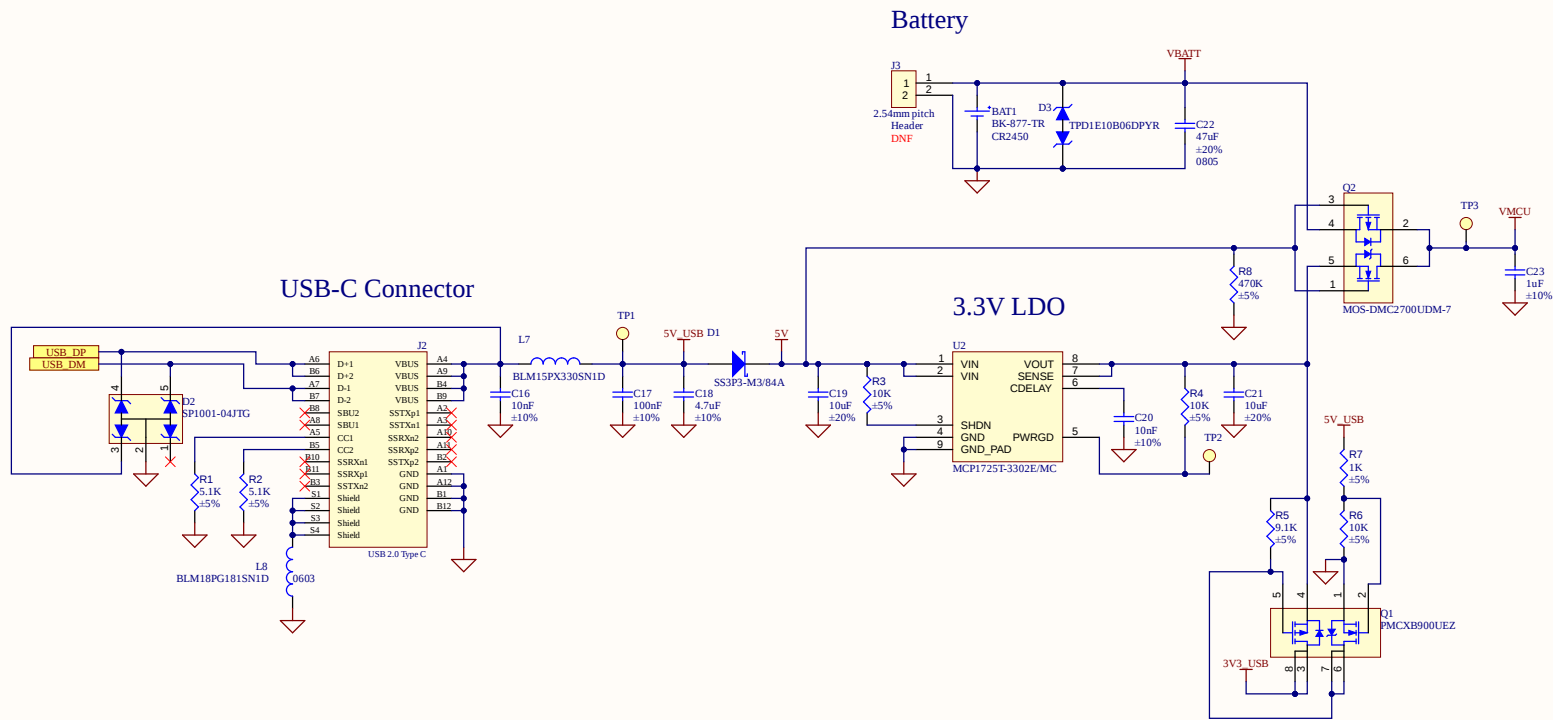
RGB LED



Buttons



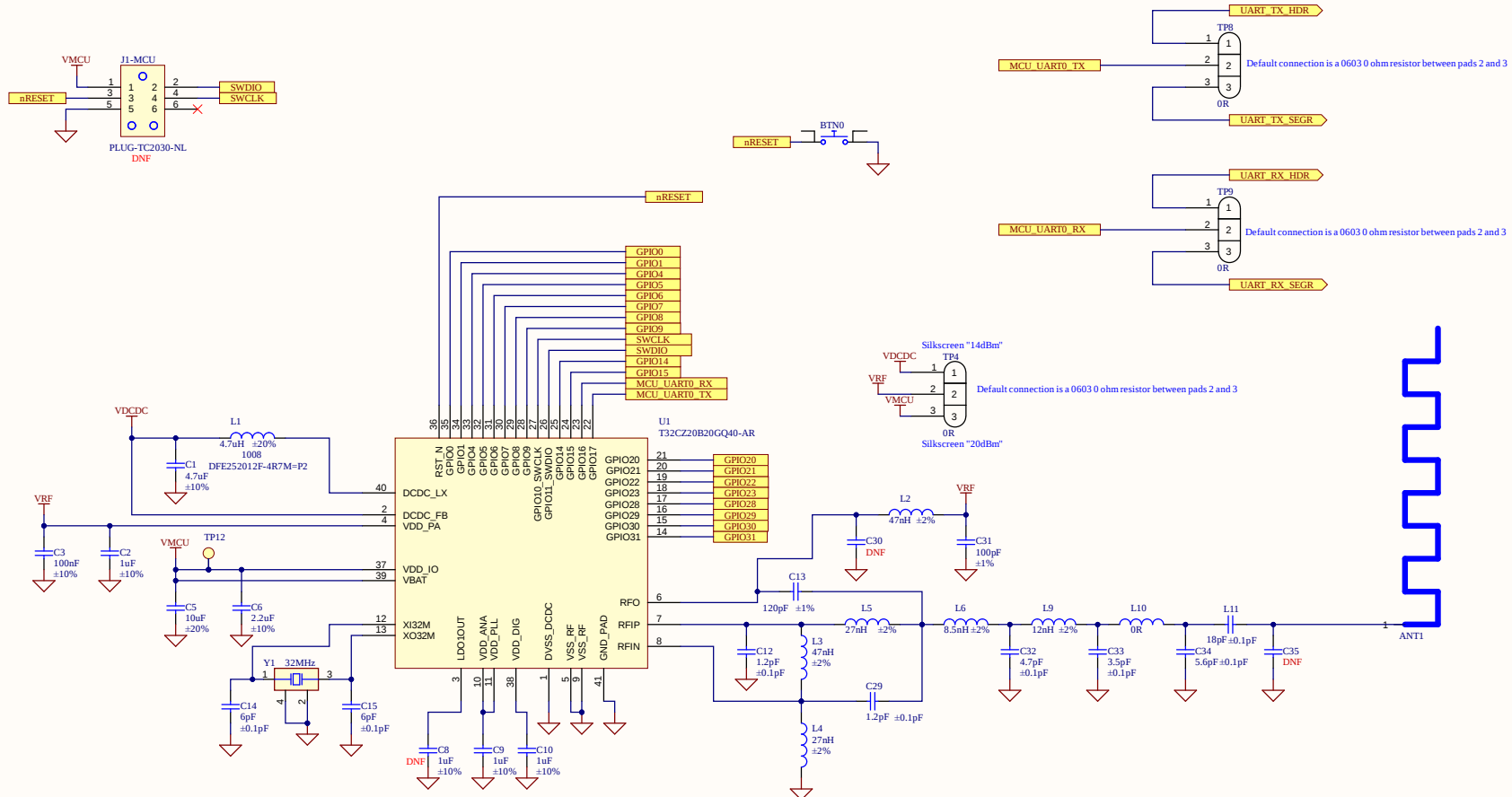
8	7	6	5	4	3	2	1
DKNCZ20B20-02	A04	REV	3	REV	2	1	
REVISION	DESCRIPTION					DATE	APPROVED
A04	Release					02/25/2025	AN, JS, BW



 TRIDENT IoT			Website: www.TridentIoT.com Support: Support@TridentIoT.com		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 B	Part Number DKNCZ20B20-02		REV A04
CONFIDENTIAL AND PROPRIETARY						SHEET 3 OF 5

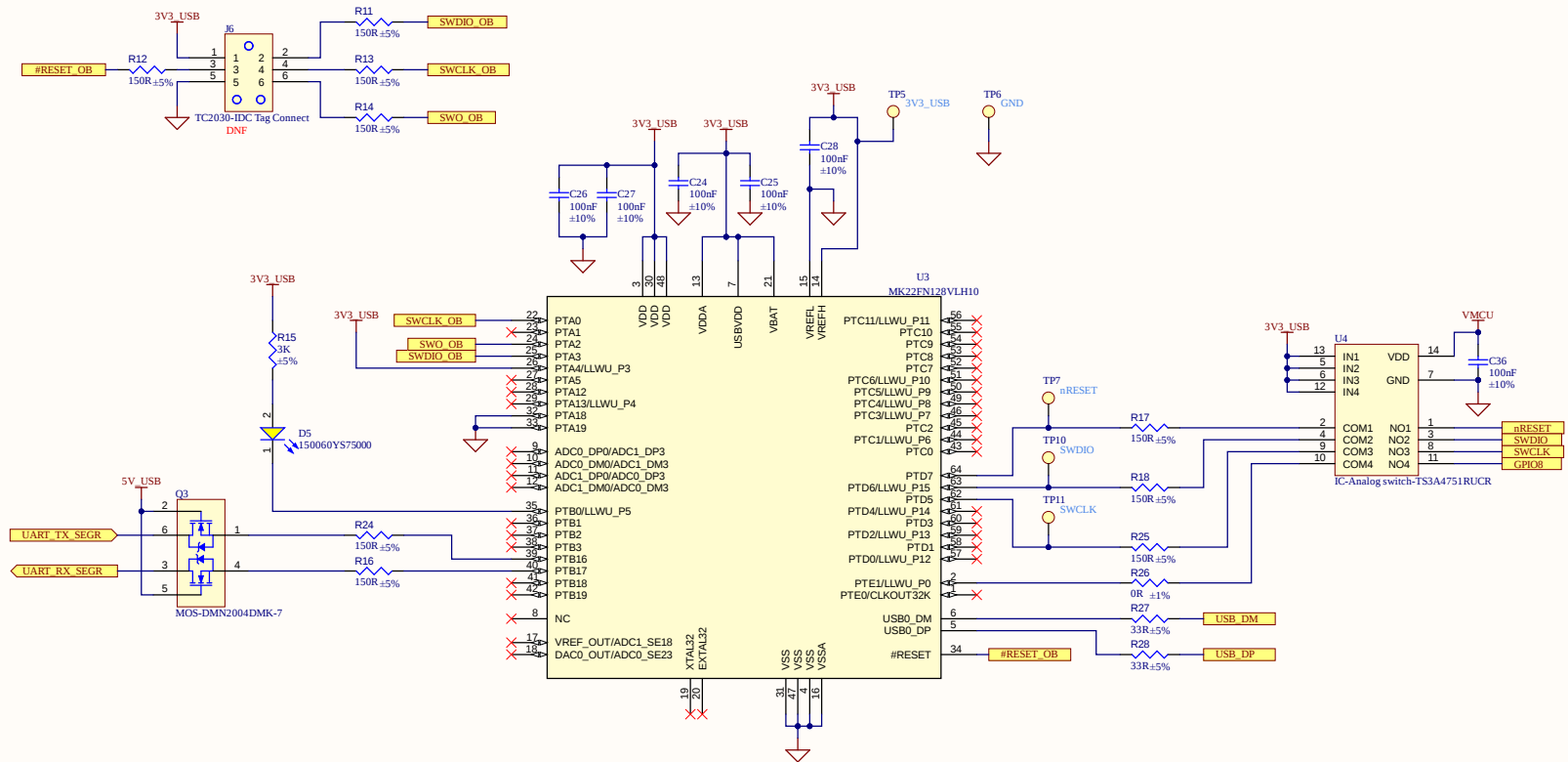
REV	DESCRIPTION	DATE	APPROVED
4	Release	02/25/2025	AN, JS, BW

Programming Interface



		Board Name DKNCZ20 - Z-Wave Eval Kit	
APPROVALS	DATE	TITLE	
DSN: MA, AN	02/18/2025	Radio	
CHK: AN, JS, BW	02/25/2025	SUB: B	REV: A04
CONFIDENTIAL AND PROPRIETARY		SHEET 4 OF 5	

REV	DESCRIPTION	DATE	APPROVED
5	Release	02/25/2025	AN, JS, BW



 TRIDENT IoT		Website: www.TridentIoT.com Support: Support@TridentIoT.com		Board Name DKNCZ20 - Z-Wave Eval Kit	
APPROVALS		DATE		TITLE	
DSN: MA, AN		02/18/2025		SEGGER J-Link OB	
CHK: AN, JS, BW		02/25/2025			
SIZE		Part Number		REV	
B		DKNCZ20B20-02		A04	
CONFIDENTIAL AND PROPRIETARY				SHEET 5 OF 5	