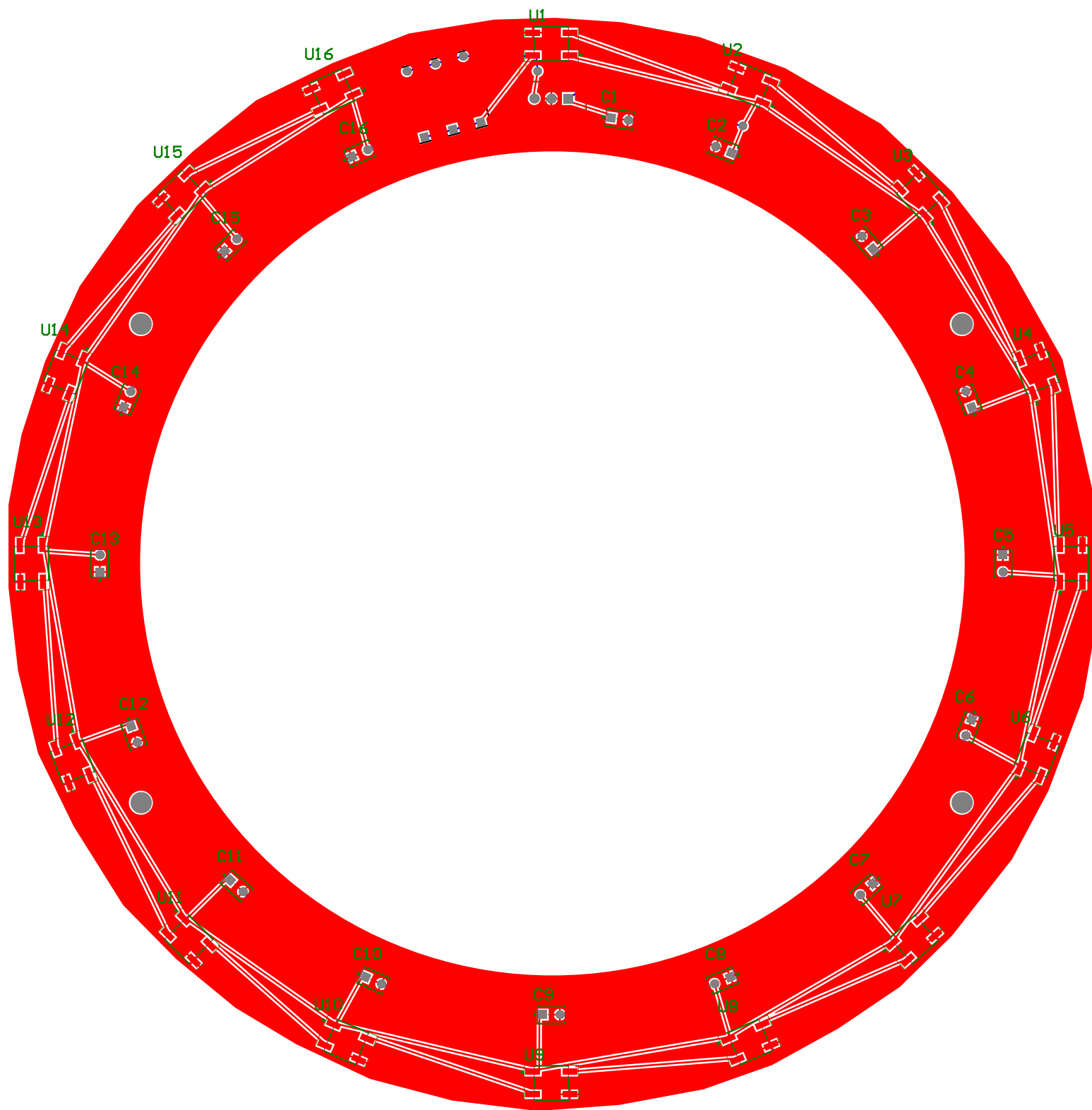


Title LED Board Schematic		
Size A4	Number	Revision
Date: 5/13/2024	Sheet of	
File: C:\Users\...\WS2812B.SchDoc	Drawn By:	An Qu



Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	K104K15 X7RF5TL2	Ceramic Capacitor, 100 nF, +/- 10%, 50 V, -55 to 125 degC, 2-Pin THD, RoHS, Tape and Reel	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16	CMP-2000-06508-1	Released	Up to date	16	Vishay BCcomponents	K104K15X7RF5TL2	Volume Production	Farnell	2860097	0.12111	1.94
	B3B-XH-A(LF)(SN)	CONN HEADER VERT 3POS 2.5MM	J1	CMP-17439-000014-3	New From Design	Up to date	1	JST	B3B-XH-A(LF)(SN)	Volume Production	Newark	73M9431	0.061	0.061
	MRS25000C1000FRP00	MRS25000C1000FRP00 Resistor, 100 Ohm, ± 1%, 600 mW, Axial Leaded, Metal Film (Thin Film), Professional	R1, R2, R3	CMP-00030-42757237-1	New From Design	Up to date	3	Vishay BCcomponents	MRS25000C1000FRP00	Volume Production	Newark	26R4081	0.025	0.075
	WS2812B1655	WS2812B 5050 RGB LED WITH INTEGRATED DRIVER CHIP PACK OF 10	U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16	CMP-00327-1	Draft	Up to date	16	Adafruit Industries	1655	Volume Production	Mouser	485-1655	4.5	72