Comment	Description	Designator	Footprint	LibRef	Quantity	Supplier 1	Supplier Part Number 1
4pos-TH-2.54mm	4pos TH 2.54mm Header	P2, P3, P4, P5, P6	HDR1X4	4pos-TH-2.54mm	5	Digi-Key	N/A
5pos-TH-2.54mm	5pos TH 2.54mm Header	P7, P8	HDR1X5	5pos-TH-2.54mm	2	Digi-Key	N/A
1528-1104-ND	LED RGB COMMON CATHODE (0.95(L)X	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8	LED_NEO	Led-NeoPixel	8	Digi-Key	1528-1104-ND
2506036007Y3	60 Ohms @ 100 MHz 1 Signal Line Ferrite Bead 0603 (1608 Metric) 3A 40mOhm	L1	CAPACITOR-0603	2506036007Y3	1	Digi-Key	1934-1396-1-ND
Capacitor-0402-10pF-50V-C0G	Capacitor-0402-10pF-50V-C0G	C7, C8	CAPACITOR-0402	Capacitor-0402-10pF-50V-C0G	2	Digi-Key	399-C0402C100K5GAC7867CT-ND
Capacitor-0603-0.1uF-50V-X7R	Capacitor-0603-0.1uF-50V-X7R	C1, C2, C6, C9, C11, C12, C13, C19, C20, C21, C22, C23, C24, C25, C26	CAPACITOR-0603	Capacitor-0603-0.1uF-50V-X7R	15	Digi-Key	1276-1935-2-ND
Capacitor-0603-1uF-25V-X5R	Capacitor-0603-1uF-25V-X5R	C3, C5, C10, C14	CAPACITOR-0603	Capacitor-0603-1uF-25V-X5R	4	Digi-Key	1276-1859-2-ND
Capacitor-0603-10uF-6.3V-X5R	Capacitor-0603-10uF-6.3V-X5R, Low ESR, Low ESL	C4	CAPACITOR-0603	Capacitor-0603-10uF-6.3V-X5R	1	Arrow Electronics	NMC0603X5R106M6.3TRP4KF
Capacitor-0805-22uF-16V-X5R	Capacitor-0805-22uF-16V-X5R	C15, C16, C17, C18, C27, C28, C29, C30, C31, C32	CAPACITOR-0805	Capacitor-0805-22uF-16V-X5R	10	Digi-Key	1276-6780-1-ND
CX2016DB40000D0FLJCC	40 MHz ±10ppm Crystal 8pF 50 Ohms 4-SMD, No Lead	X1	4-SMD	CX2016DB40000D0FLJCC	1	Digikey	478-CX2016DB40000D0FLJCCCT-ND
DotStar Micro	Addressable Lighting - 10 LED Discrete Serial (Shift Register) Red, Green, Blue (RGB) 2.00mm L x 2.00mm W	LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16	LED_DOTSTAR	DotStar Micro	8	Digi-Key	1528-1826-ND
ESP32-S3FN8-SOC	IC RF TxRx + MCU Bluetooth, WiFi 802.11b/g/n, Bluetooth v5.0 2.412GHz ~ 2.484GHz 56-VFQFN Exposed Pad	U1	VFQFN-56 Exposed Pad	ESP32-S3FN8-SOC	1	Digikey	1965-ESP32-S3FN8-ND
MX1A-C1NW	Pushbutton Switch SPST-NO Keyswitch Through Hole	SW3, SW4, SW5, SW6, SW7, SW8, SW9, SW10	MX2A-G1NB	MX1A-C1NW	8	Digi-Key	CH310-ND
NCV1117ST33T3G	IC REG LINEAR 3.3V 1A SOT223	U3	SOT-223-3/TO-261-3S	NCV1117ST33T3G	1	Digi-Key	NCV1117ST33T3GOSCT-ND
NetTie_0402		T3, T4, T5	NetTie-0402	NetTie_0402	3		
NetTie_0603		T1, T2, T6	NetTie-0603-short	NetTie_0603	3		
NUP4301MR6T1G	4CH Clamp Ipp Tvs Diode Surface Mount SOT23-6 (SC74)	D1	SOT-23-6	NUP4301MR6T1G	1	Digi-Key	NUP4301MR6T1GOSTR-ND
PI4IOE5V6408ZTAEX	I/O Expander 8 I2C 1 MHz 16-UQFN (1.8x2.6)	U2	UQFN-16	PI4IOE5V6408ZTAEX	1	Digikey	PI4IOE5V6408ZTAEXDICT-ND
PTS815 SJM 250 SMTR LFS	TACT 4.2 X3.2, 2.5 MM H, 180GF	SW1, SW2	SW4_PTS815 SJM 250 SMTR LFS_CNK	PTS815 SJM 250 SMTR LFS	2	Digi-Key	CKN12215-1-ND
Resistor-0603-5.1k	0603 footprint DO NOT INSTALL	R1, R2	RESISTOR-0603	Resistor-0603-DNI	2		
Rotary Encoder	Incremental Encoder, 12 Mm, Contact Rating 10 Ma - 5 Vdc	MT1, MT2, MT3, MT4	XDCR_PEC11R-4215F-S0024	PEC11R-4215F-S0024	4		
SMT resistor	Resistor0603-10k	R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26	Resistor-0603	Resistor0603-10k	24	Digi-Key	311-10.0KHRTR-ND
USB4105-GF-A	CONN RCP USB2.0 TYP C 24P SMD RA 5A	P1	USB-C	USB4105-GF-A	1	Digikey	2073-USB4105-GF-ACT-ND