SATO R40	Comment	Designator	Footprint	JLCPCB Part #
2A743W-V	MMBT3904(BEC)	Q1,Q2	SOT-23	C20526
	330r	R40	0402	C25104
10K	BAT43W-V	D17,D18,D19,D20	D_SOD-323	C134399
Mode	470	R11,R9	0402	C25117
D24,D25	10k	R14,R15,R19,R20,R	0402	C25744
BLUE-LED D28,D29	100K	R10,R12,R17,R22	0402	C25741
	SM4001	D24,D25	D_SOD-123	C64898
SMD0805P010TFpolyfuse	BLUE-LED	D28,D29	0402	C130724
Battery_Cell	100r	R23,R24,R25,R26,R	0402	C25076
Ru2 C100 0402 C12530 27 R3,R4 0402 C25100 28k R47,R50 0402 C4142 27p C2,C3 0402 C1557 (322512MSB4SI(mini12MhZcrystal) Y1 Crystal_SMD_3225-4Pin_3.2x2.5mm C9002 LD1117S33CTR U8 SOT-89-3-PETROCK C18723569 10u C17,C18,C19,C20 0402 C15525 1u C10,C8 0402 C52923 .78L08_SOT89 U5 SOT-89-3 C122846 1k R1,R13,R16,R18,R2 0402 C1702 JSB_C_Receptacle_USB2.0 J8 USB_C_Receptacle_G-Switch_GT-USB-7010ASV C2988369 1448 D21,D22 D_SOD-323 C917117 100n C13,C14,C15,C16,C6 0402 C1525 5.1k R45,R46 0402 C25905 8R2040 U3 RP2040-QFN-56 C2040 ED D1,D10,D11,D12,D10402 C434448 8819 D23,D30 D_SOD-123 C8598	SMD0805P010TFpolyfuse	F1,F2	0805	C269101
R3,R4	Battery_Cell	BT1	BatteryHolder_Keystone_3000_1x12mm	C964818
R47,R50	2u2	C100	0402	C12530
C2,C3	27	R3,R4	0402	C25100
G322512MSB4SI(mini12MhZcrystal) Y1 Crystal_SMD_3225-4Pin_3.2x2.5mm C9002 D1117S33CTR U8 SOT-89-3-PETROCK C18723569 D0u C17,C18,C19,C20 0402 C15525 Um C10,C8 0402 C52923 1,78L08_SOT89 U5 SOT-89-3 C122846 Ik R1,R13,R16,R18,R2 0402 C11702 JSB_C_Receptacle_USB2.0 J8 USB_C_Receptacle_G-Switch_GT-USB-7010ASV C2988369 L148 D21,D22 D_SOD-323 C917117 100n C13,C14,C15,C16,C 0402 C1525 SRP2040 U3 RP2040-QFN-56 C25905 RP2040 U3 RP2040-QFN-56 C2040 ED D1,D10,D11,D12,D1 0402 C434448 8819 D23,D30 D_SOD-123 C8598 170k R48,R49 0402 C25790 20F8523T U4 SOIC-8_3.9x4.9mm_P1.27mm C2651516 Crystal_SMD_3215-2Pin_3.2x1.5mm C93232 ED_RGB D16 LED_RGB	82k	R47,R50	0402	C4142
D1117S33CTR	27p	C2,C3	0402	C1557
C17,C18,C19,C20 O402 C15525 C10,C8 O402 C52923 C52923 C78L08_SOT89 U5 SOT-89-3 C122846 C170,C8 C170,C8 O402 C170,C8 C170,C8	X322512MSB4SI(mini12MhZcrystal)	Y1	Crystal_SMD_3225-4Pin_3.2x2.5mm	C9002
C10,C8	LD1117S33CTR	U8	SOT-89-3-PETROCK	C18723569
.78L08_SOT89 U5 SOT-89-3 C122846 .1k R1,R13,R16,R18,R2 0402 C11702 JSB_C_Receptacle_USB2.0 J8 USB_C_Receptacle_G-Switch_GT-USB-7010ASV C2988369 .148 D21,D22 D_SOD-323 C917117 .100n C13,C14,C15,C16,C 0402 C1525 .5.1k R45,R46 0402 C25905 .RP2040 U3 RP2040-QFN-56 C2040 .ED D1,D10,D11,D12,D1 0402 C434448 .8819 D23,D30 D_SOD-123 C8598 .170k R48,R49 0402 C25790 .2CF8523T U4 SOIC-8_3.9x4.9mm_P1.27mm C2651516 .2rystalDST310S32.768KHz Y2 Crystal_SMD_3215-2Pin_3.2x1.5mm C93232 .ED_RGB D16 LED_RGB_5050-6 C111658 .W25Q128JVS U2 SON50P300X200X60-9N C2843335 3,J4,J5,J6 AudioJack2 _Jack_3.5mm_QingPu_JACK_ANCHOR Sourced elsewhere 'thonk jack' synthcube or thoonk Conn_02x05 PinHeader_2x05_P2.54mm_Vertical Sourced digikey	10u	C17,C18,C19,C20	0402	C15525
R1,R13,R16,R18,R2	1u	C10,C8	0402	C52923
USB_C_Receptacle_USB2.0	L78L08_SOT89	U5	SOT-89-3	C122846
D21,D22	1k	R1,R13,R16,R18,R2	0402	C11702
C13,C14,C15,C16,C O402 C1525 C25905 C25905 C259040 C1525 C25905 C2040 C25905 C2040 C25905 C2040 C25905 C2040 C	USB_C_Receptacle_USB2.0	J8	USB_C_Receptacle_G-Switch_GT-USB-7010ASV	C2988369
5.1k R45,R46 0402 C25905 RP2040 U3 RP2040-QFN-56 C2040 LED D1,D10,D11,D12,D1 0402 C434448 5819 D23,D30 D_SOD-123 C8598 670k R48,R49 0402 C25790 670cF8523T U4 SOIC-8_3.9x4.9mm_P1.27mm C2651516 670cFystalDST310S32.768KHz Y2 Crystal_SMD_3215-2Pin_3.2x1.5mm C93232 670cFBC LED_RGB D16 LED_RGB_5050-6 C111658 670cFBC V25Q128JVS U2 SON50P300X200X60-9N C2843335 73,J4,J5,J6 AudioJack2 Jack_3.5mm_QingPu_JACK_ANCHOR Sourced elsewhere 'thonk jack' synthcube or thoonk Conn_02x05 PinHeader_2x05_P2.54mm_Vertical Sourced digikey Conn_01x02 SW_PUSH_6mm Simple switch	4148	D21,D22	D_SOD-323	C917117
RP2040	100n	C13,C14,C15,C16,C	0402	C1525
D1,D10,D11,D12,D1 0402 C434448 D23,D30 D_SOD-123 C8598 C25790 C25790	5.1k	R45,R46	0402	C25905
D23,D30 D_SOD-123 C8598 D23,D30 R48,R49 O402 C25790 C25790 D25795 C7958523T U4 SOIC-8_3.9x4.9mm_P1.27mm C2651516 C79581DST310S32.768KHz Y2 C79581_SMD_3215-2Pin_3.2x1.5mm C93232 C111658 C11658 C111658 C11658 C116588 C116588 C116588 C116588 C116588 C1165	RP2040	U3	RP2040-QFN-56	C2040
R48,R49	LED	D1,D10,D11,D12,D1	0402	C434448
PCF8523T U4 SOIC-8_3.9x4.9mm_P1.27mm C2651516 CrystalDST310S32.768KHz Y2 Crystal_SMD_3215-2Pin_3.2x1.5mm C93232 LED_RGB D16 LED_RGB_5050-6 C111658 W25Q128JVS U2 SON50P300X200X60-9N C2843335 3,J4,J5,J6 AudioJack2 _Jack_3.5mm_QingPu_JACK_ANCHOR Sourced elsewhere 'thonk jack' synthcube or thoonk Conn_02x05 PinHeader_2x05_P2.54mm_Vertical Sourced digikey Conn_01x02 SW_PUSH_6mm Simple switch	5819	D23,D30	D_SOD-123	C8598
CrystalDST310S32.768KHz Y2 Crystal_SMD_3215-2Pin_3.2x1.5mm C93232 .ED_RGB D16 LED_RGB_5050-6 C111658 .V25Q128JVS U2 SON50P300X200X60-9N C2843335 3,J4,J5,J6 AudioJack2 _Jack_3.5mm_QingPu_JACK_ANCHOR Sourced elsewhere 'thonk jack' synthcube or thoonk Conn_02x05 PinHeader_2x05_P2.54mm_Vertical Sourced digikey Conn_01x02 SW_PUSH_6mm Simple switch	470k	R48,R49	0402	C25790
LED_RGB D16 LED_RGB_5050-6 C111658 W25Q128JVS U2 SON50P300X200X60-9N C2843335 3,J4,J5,J6 AudioJack2 Jack_3.5mm_QingPu_JACK_ANCHOR Sourced elsewhere 'thonk jack' synthcube or thoonk Conn_02x05 PinHeader_2x05_P2.54mm_Vertical Sourced digikey Conn_01x02 SW_PUSH_6mm Simple switch	PCF8523T	U4	SOIC-8_3.9x4.9mm_P1.27mm	C2651516
W25Q128JVSU2SON50P300X200X60-9NC28433353,J4,J5,J6AudioJack2_Jack_3.5mm_QingPu_JACK_ANCHORSourced elsewhere 'thonk jack' synthcube or thoonkConn_02x05PinHeader_2x05_P2.54mm_VerticalSourced digikeyConn_01x02SW_PUSH_6mmSimple switch	CrystalDST310S32.768KHz	Y2	Crystal_SMD_3215-2Pin_3.2x1.5mm	C93232
3,J4,J5,J6 AudioJack2 _Jack_3.5mm_QingPu_JACK_ANCHOR Sourced elsewhere 'thonk jack' synthcube or thoonk Conn_02x05 PinHeader_2x05_P2.54mm_Vertical Sourced digikey Conn_01x02 SW_PUSH_6mm Simple switch	LED_RGB	D16	LED_RGB_5050-6	C111658
Conn_02x05 PinHeader_2x05_P2.54mm_Vertical Sourced digikey Conn_01x02 SW_PUSH_6mm Simple switch	W25Q128JVS	U2	SON50P300X200X60-9N	C2843335
Conn_01x02 SW_PUSH_6mm Simple switch	J3,J4,J5,J6	AudioJack2	_Jack_3.5mm_QingPu_JACK_ANCHOR	Sourced elsewhere 'thonk jack' synthcube or thoonk
		Conn_02x05	PinHeader_2x05_P2.54mm_Vertical	Sourced digikey
DNF 0402		Conn_01x02	SW_PUSH_6mm	Simple switch
		DNF	0402	