Reference	Valye	Datasheet	Footrpint	Qty	Price		MPF	Manifacturing
C1	1uF	~	Capacitor_Tantalum_SMD:CP_EIA-1608-08_AVX-J	1	0.21	0.21	F380J106MMAAH1	F380J106MMAAH1 KYOCERA AVX | Capacitors | DigiKey
> C2, C4, C6, C10	10uF	~	Capacitor_Tantalum_SMD:CP_EIA-1608-08_AVX-J	4	0.21	0.84	ECA-1HM100	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ECA-1HM100/245037
> C3, C5, C7-C9	0.1uF	~	Capacitor_Tantalum_SMD:CP_EIA-1608-08_AVX-J	5	0.1	0.5	CL03A104KQ3NNNC	https://www.digikey.com/en/products/detail/samsung-electro-mechanics/CL03A104KQ3NNNC/3886671
> C11-C13	4.7uF	~	Capacitor_SMD:C_0201_0603Metric	3	0.1	0.3	CL10A475KP8NNNC	https://www.digikey.com/en/products/detail/samsung-electro-mechanics/CL10A475KP8NNNC/3886702
> D1, D5	LED	~	LED_SMD:LED_0201_0603Metric	2	0.57	1.14	APG0603ZGC-5MAV	https://www.digikey.com/en/products/detail/kingbright/APG0603ZGC-5MAV/13563778
> D2, D3, D9	LESD5D5.0CT1G		LESD5D5.0CT1G:TVS_LESD5D5.0CT1G	1	3	3	ESD5Z12V	https://www.digikey.com/en/products/detail/amazing/AZ9523-01H/21800050
D4	1N5819HW-7-F	~	Diode_SMD:D_SOD-123	1	0.25	0.25	1N5819HW-7-F	https://www.digikey.com/en/products/detail/nextgen-components/lesd5z5-0c/21344161
J1	USB_C_Receptacle	https://www.usb.c	Connector_USB:USB_C_Receptacle_GCT_USB4105-xx-A_16P_TopMnt_Horizontal	1	0.6	0.6	10164359-00011LF	https://www.digikey.com/en/products/detail/amphenol-cs-fci/10164359-00011LF/18443702
> J2, J3	Conn_01x01_Pin	~	Connector_PinHeader_2.54mm:PinHeader_1x01_P2.54mm_Horizontal	2	0.24	0.48	2012-1X03G00S-2.5-7.4-L	https://www.digikey.com/en/products/detail/oupiin/2012-1X03G00S-2-5-7-4-L/13251690
J4	Conn_01x05_Socket	~	TerminalBlock_Altech:Altech_AK300_1x05_P5.00mm_45-Degree	3	0.36	1.08	PPPC021LFBN-RC	https://www.digikey.com/en/products/detail/sullins-connector-solutions/PPPC021LFBN-RC/810174
R1	10K	~	Resistor_SMD:R_0201_0603Metric	1	0.1	0.1	RC0201FR-0710KL	https://www.digikey.com/en/products/detail/yageo/RC0201FR-0710KL/1948870
R2	75	~	Resistor_SMD:R_0201_0603Metric	1	0.1	0.1	ERJ-1GNF75R0C	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ERJ-1GNF75R0C/2035984
> R3, R4	10k	~	Resistor_SMD:R_0201_0603Metric	2	0.1	0.2	RC0201FR-0710KL	www.digikey.com/en/products/detail/yageo/RC0201FR-0710KL/1948870
> R5, R6	5.1k	~	Resistor_SMD:R_0201_0603Metric	2	0.1	0.2	ERJ-1GNF5101C	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ERJ-1GNF5101C/2036192
R7	470	~	Resistor_SMD:R_0201_0603Metric	1	0.1	0.1	RC0201FR-074K7L	https://www.digikey.com/en/products/detail/yageo/RC0201FR-074K7L/1948894
R8	2k	~	Resistor_SMD:R_0201_0603Metric	1	0.22	0.22	ERA-1AEB202C	https://www.digikey.com/en/products/detail/panasonic-electronic-components/ERA-1AEB202C/5035576
> SW1, SW3	SW_DPST_x2	~	Button_Switch_THT:SW_PUSH_6mm_H4.3mm	2	0.37	0.74	1301.9314.24	https://www.digikey.com/en/products/detail/schurter-inc/1301-9314-24/8536705
U1	ESP32-S3-WROOM-1	https://www.espr	RF_Module:ESP32-S3-WROOM-1	1	2.95	2.95	ESP32-S3-WROOM-1-N4	https://www.digikey.com/en/products/detail/espressif-systems/ESP32-S3-WROOM-1-N4/16162639
U2	AMS1117-3.3	http://www.advan	Package_TO_SOT_SMD:SOT-223-3_TabPin2	1	0.68	0.68	AMS1117-3.3	https://www.digikey.com/en/products/detail/umw/AMS1117-3-3/17635254
U3	MCP73831-2-OT	http://ww1.micro	Package_TO_SOT_SMD:SOT-23-5	1	0.76	0.76	MCP73831T-2ACI/OT	https://www.digikey.com/en/products/detail/microchip-technology/MCP73831T-2ACI-OT/964301