ENCLAVE_v0

Source:	ENCLAVE_v0.kicad_sch
Date:	Thu 16 Jun 2022 02:48:39 PM -04
Tool:	Eeschema 6.0.5-a6ca702e91~116~ubuntu22.04.1
Component Count:	97

Item	Qty	Reference(s)	Value	Manufacturer	Part Number	Digi-Key	LCSC	Mouser
1	4	C1-4	100uF/6.3V	KYOCERA AVX	TAJB107M006RNJ	478-3877-1-ND	C7195	581-TAJB107M006R
2	3	C5-7	10uF/10V	Samsung Electro-Mechanics	CL10A106MP8NNNC	1276-1871-1-ND	C85713	187-CL10A106MP8NNNC
3	9	C8-16	1uF/16V	Samsung Electro-Mechanics	CL05A105KO5NNNC	1276-1067-1-ND	C29266	187-CL05A105KO5NNNC
4	8	C17-24	0.1uF/16V	Samsung Electro-Mechanics	CL05B104KO5NNNC	1276-1001-1-ND	C1525	187-CL05B104KO5NNNC
5	4	C25-28	1nF/50V	Samsung Electro-Mechanics	CL05B102KB5NNNC	1276-1032-1-ND	C14442	187-CL05B102KB5NNNC
6	2	C29-30	22pF/50V	Samsung Electro-Mechanics	CL05C220JB5NNNC	1276-1116-1-ND	C70464	187-CL05C220JB5NNNC
7	9	D1-9	SD103AWS-TP	Micro Commercial Co	SD103AWS-TP	SD103AWSTPMSCT-ND	C779513	833-SD103AWS-TP
8	2	D10-11	WS2812B-2020	Worldsemi	WS2812B-Mini	1528-4684-ND	C2976072	485-4684
9	3	F1-3	350mA	YAGEO	SMD0603B035TF	13-SMD0603B035TFCT-ND	C269154	603-SMD0603B035TF
10	1	FB1	BLM15PX221SN1D	Murata Electronics	BLM15PX221SN1D	490-11021-1-ND	C160973	81-BLM15PX221SN1D
11	4	H1-4	MountingHole_Pad	Würth Elektronik	9774040151R	732-7089-1-ND	- - -	710-9774040151R
12	1	J1	AVR-ISP	Amphenol ICC (FCI)	10112684-G03-04ULF	609-4381-ND	- - -	649-10112684G0304ULF
13	4	P1-4	Port1-4	Korean Hroparts Elec	TYPE-C-31-M-12	- - -	C165948	- - -
17	4	R1-4	1M0	YAGEO	RC0402FR-071ML	311-1.00MLRCT-ND	C138033	603-RC0402FR-071ML
18	6	R5-10	56K0	YAGEO	RC0402FR-0756KL	311-56.0KLRCT-ND	C114756	603-RC0402FR-0756KL
19	1	R11	10K0	YAGEO	RC0402FR-0710KL	311-10.0KLRCT-ND	C60490	603-RC0402FR-0710KL
20	2	R12-13	5K1	YAGEO	RC0402FR-075K1L	311-5.10KLRCT-ND	C105872	603-RC0402FR-075K1L
21	1	R14	499R	YAGEO	RC0402FR-07499RL	311-499LRCT-ND	C137970	603-RC0402FR-07499RL
22	2	R15-16	22R0	YAGEO	RC0402FR-0722RL	311-22.0LRCT-ND	C114765	603-RC0402FR-0722RL
23	9	SW1-9	Cherry MX	Cherry AG	Cherry MX	- - -	- - -	- - -
24	1	SW10	RESET	C&K	KMR241GLFS	401-1431-1-ND	C221682	611-KMR241GLFS
25	9	SWS1-9	Hot Swapping PCB Socket	Kaihua Electronics	CPG151101S11	- - -	C2803348	- - -
26	4	TVS1-4	PRTR5V0U2X	Nexperia USA Inc.	PRTR5V0U2X,215	1727-3884-1-ND	C12333	771-PRTR5V0U2X-T/R
27	1	U1	SL2.1A	CoreChips	SL2.1A	- - -	C192893	- - -
28	1	U2	ATmega32U4-M	Microchip Technology	ATMEGA32U4-MUR	ATMEGA32U4-MURCT-ND	C45874	556-ATMEGA32U4-MUR
29	1	Y1	12MHz	Abracon LLC	ABM8G-12.000MHZ-4Y-T3	535-10901-1-ND	C50430	815-ABM8G-12-4YT3
30	1	Y2	16MHz	Abracon LLC	ABM8G-16.000MHZ-18-D2Y-T	535-10267-1-ND	C1985423	815-ABM8G-16-18D2Y