BOM - Bill Of Materials

Projeto: <u>Datalogger.PriPcb</u>
Produto: <u>Datalogger</u>
Revisão do produto: <u>1.0</u>

Data da ultima alteração: 24/06/2022
Responsável: Otto Pinto

#	Referência / Designato	Descrição / Description	Encapsulamento / Footprint	Referência do Fabricante /Manufacturer Part Number	Fabricante - Sugerido / Manufacturer	Fornecedor - Sugerido / Supplie	Referência do Fabricante / Supplier Part Number	Qtd.	Valor Unit	Total	Observações
1	D301	TVS DIODE 5VWM 9.2VC SMB	DO-214AA(SMB)	SMBJ5.0A	Littelfuse	LCSC	C83333	1	\$ 0,17	\$ 0,17	
2	S200, S700, S701	h Tactile N.O. SPST Rectangular Button J-Lead 0.05A 12VDC 2.55N SM	ITCH TACTILE SMD 2	GT-TC060B-H025-L1	G-Switch	LCSC	C778169	3	\$ 0,07	\$ 0,21	
3	MICRO_SD600	Standard Card Edge Connectors	TF-01A	TF-01A	Yuandi	LCSC	C2889258	1	\$ 0,10	\$ 0,10	
4	R200	nip Resistor, 0 Ohm, +/- 1%, 125 mW, -55 to 155 degC, 0805 (2012 Metri	ESC2013X50X35ML15T1	0805W8J0000T5E	UNI-ROYAL(Uniroyal Elec)	LCSC	C25275	1	\$ 0,00	\$ 0,00	
5	R700, R701	RES SMD 220 OHM 5% 1/8W 0805	CR2012-0805	0805W8F2200T5E	UNI-ROYAL(Uniroyal Elec)	LCSC	C17557	2	\$ 0,00	\$ 0,00	
6	R201, R300, R500, R600, R601, R602	RES 0805 10K Ohm 0.1% 1/10W SMD	CR2012-0805	0805W8F1002T5E	UNI-ROYAL(Uniroyal Elec)	LCSC	C38522	6	\$ 0,00	\$ 0,02	
7	R400, R401	RES SMD 10.5K OHM 0.1% 1/8W 0805	CR2012-0805	0805W8F1052T5E	UNI-ROYAL(Uniroyal Elec)	LCSC	C40086	2	\$ 0,00	\$ 0,00	
8	R702, R703	RES SMD 1K OHM 1% 1/8W 0805	CR2012-0805	0805W8F1001T5E	UNI-ROYAL(Uniroyal Elec)	LCSC	C17513	2	\$ 0,00	\$ 0,00	
9	F300	0.35A(hold) 0.75A(trip) 16VDC 40A 0.4W 0.1s 0.3Ohm SMD Solder Pad	P-0ZCJ0035FF2G-MF0	ASMD1206-035	Shenzhen JDT Fuse	LCSC	C135337	1	\$ 0,06	\$ 0,06	
10	CON100, CON101, CON102, CON200	Unshrouded Header HDR 2 POS 2.54mm Solder ST Top Entry Thru-Hole	P-TSW-102-07-G-S-MF(PZ254V-11-02P	XFCN	LCSC	C492401	4	\$ 0,01	\$ 0,05	
11	D701	LED RED DIFFUSED T-1 3/4 T/H	LED-5mm-VERMELHO	EL504URC	EKINGLUX	LCSC	C2856646	1	\$ 0,04	\$ 0,04	
12	D700	LED GRN DIFF 5MM ROUND T/H	LED-5mm-VERDE	HL-508H203BC	TRONIC(Hongli Zhihui (HONGLIT	LCSC	C568943	1	\$ 0,06	\$ 0,06	
13	PR500	THROUGH HOLE PHOTORESISTORS ROHS	LDR 3x0.5	GL5528	Senba Sensing Tech	LCSC	C125627	1	\$ 0,04	\$ 0,04	
14	U300	IC REG LDO 3.3V 1A SOT223	SOT-223	AP2114HA-3.3TRG1	Diodes	LCSC	C460314	1	\$ 0,26	\$ 0,26	
15	Q300, Q600	mall Low ON Resistance MOSFET P-Channel 20V 6A 3-Pin SOT-23F T/	SOT-23	WST6225	Winsok Semicon	LCSC	C148356	2	\$ 0,08	\$ 0,17	
16	U400	SENSOR HUMI/TEMP 3.3V I2C 4% SMD	SON100P300X80_HS-7	HDC1080DMBR	Texas Instruments	LCSC	C82227	1	\$ 3,05	\$ 3,05	
17	U200	SMD Module, ESP32-S3R2 With 8 MB of Flash	ESP32_S3_WROOM_1	ESP32-S3-WROOM-1-N8	Espressif Systems	Digi-Key	1965-ESP32-S3-WROOM-1-N8CT-ND	1	\$ 3,52	\$ 3,52	
18	D300	DIODE SCHOTTKY 20V 1A SOD323	SOD-323	NSR0320MW2T1G	ON Semiconductor	LCSC	C48192	1	\$ 0,22	\$ 0,22	
19	C201	Chip Capacitor, 22µF +/-40%, 16V, 0805, Thickness 1.45 mm	CC2012-0805	CL21A226MPQNNNE	Samsung	LCSC	C29277	1	\$ 0,02	\$ 0,02	
20	C300, C301	CAP CER 4.7UF 16V X7R 0805	CC2012-0805	CL21A475KAQNNNE	Samsung	LCSC	C1779	2	\$ 0,01	\$ 0,02	
21	C200, C202, C203	Cap Ceramic 0.1uF 25V X7R 10% SMD 0805 125C Plastic T/R	CC2012-0805	CL21B104KCFNNNE	Samsung	LCSC	C28233	3	\$ 0,01	\$ 0,03	
22	SW100	ylene; 26ga. 6in Leads; 4-AA; 4 * AA Battery Electronic Plastic Battery	AAA_BATTERY_HOLDE	C9091	None	LCSC	C9091	1	\$ 0,36	\$ 0,36	
							TOTAL	39		\$ 8,42	