

Lista de materiales



Proyecto: Robot Mini sumo

Curso: 4Dev

Fecha: 11/01/2021

Autor: Elias Zarate

Moneda: USD

Tipo de cambio: -

	Designator	Footprint	CANT.	Value	U. Price	Subtotal	%	Proveedor	MPN
1	U2	TQFP-32_7x7mm_Pitch0.8mm	1	ATMEGA328P-AU	2,000	2,000	125,00%	Digikey.link	ATMEGA328P-AU
2	D2	LED_1206	1	LED	0,310	0,310	19,38%	Digikey.link	L152L-QYC
3	BZ1	Pin_Header_2	1	Buzzer	1,100	1,100	68,75%	ML	
4	SW1,SW2	Pulsador_TH_4	2	Pulsadores	0,100	0,200	12,50%	Digikey.link	1825910-6
5	VM	BORNERA3_AZUL	1	M1	0,209	0,209	13,06%	ELEMION	XY305-3P
6	J202,J7	BORNERA2_AZUL	2	ALIMENTACION,M2	0,150	0,300	18,75%	ELEMION	XY305-2P AZUL
7	U201,U202	SSOP-8	2	DRV8872	2,428	4,856	303,50%	Digikey.link	DRV8872DDA
8	U1	SOT223	1	LM1117-SOT	0,985	0,985	61,56%	Digikey.link	LM1117MP-5.0/NOPB
9	ESTRATEGIA	Dip_SW_2-300	1	Estrategias	0,470	0,470	29,38%	Digikey.link	210-2MS
10	D1	SOD80C	1	1N4148	2,060	2,060	128,75%	ML	
11	Q1	SOT23	1	2N7002	1,400	1,400	87,50%	Digikey.link	2N7002
12	R10,R9	PTC_1210	10	Rsense	0,177	1,770	110,63%	Digikey.link	ERJ-14NF25R5U
13	Y1	HC49S	1	Crystal	0,480	0,480	30,00%	Digikey.link	LFXTAL003240BULK
14	C1,C4	CAP_ELEC_5x11mm	2	10uF	0,430	0,860	53,75%	Digikey.link	SK100M025ST
15	R2,R1,R7	R_1206	3	10K	0,027	0,081	5,06%	Digikey.link	CRG1206F10K
16	R4,R3	R_1206	1	4K7	2,170	2,170	135,63%	Digikey.link	CRGCQ1206J4K7
17	R8	R_1206	1	330	2,620	2,620	163,75%	Digikey.link	RC1206FR-07330RL
18	C203	CAP_ELEC_10X8mm	1	100uF 35V	0,490	0,490	30,63%	Digikey.link	107RSS035M
19	R5,R6	R_1206	2	1K	0,028	0,056	3,50%	Digikey.link	CRGCQ1206F1K0
20	C3,C6,C201,C202,C9,C11	C_1206	6	100nF	0,036	0,216	13,50%	Digikey.link	CRCW1206220RFKEA
21	C7,C8	C_1206	10	18pF	0,160	1,600	100,00%	Digikey.link	C1206C180J5GACTU
22	C10	C_1206	1	100uF	3,890	3,890	243,13%	Digikey.link	CL31A107MQHNNNE

23	C5,C2	CAP_TAN_A	10	10uF	0,490	4,900	306,25%	Digikey.link	TCJA106M006R0300
24	J3,J4,J5,J6,J8,J9,J10 ,J12,UART,ICSP	Pin_Strip_3	1	PINES	0,550	0,550	34,38%	ML	
25	hole_3mm	hole_3mm	4	TORNILLO_M3	0,047	0,188	11,75%		
26	3D		1	PIEZA	1,750	1,750	109,38%	ML	
27	PCB		1		10,000	10,000	625,00%		
28									
					TOTAL	45,511			

**EN TOTAL DE PINES A USAR ES DE 34

DIGI-KEY PART NUMBER
ATMEGA328P-AU-ND
2460-L152L-QYCTR-ND
450-1650-ND
BO5811912
BO5811900
296-46512-5-ND
LM1117MP-5.0/NOPBTR-ND
CT2102MS-ND
2368-2N7002-ND
P25.5AADKR-ND
1923-1433-ND
338-1697-ND
A106069TR-ND
A130181DKR-ND
311-330FRDKR-ND
1572-1306-ND
A129810TR-ND
541-220FTR-ND
399-1195-6-ND
1276-1782-6-ND

100unidades

5unidades

10unidades

Usariamos 2

1,25

100unidades

1=3 unidad necesario

100unidades

10unidades

Usariamos 2

10unidades

478-3134-6-ND	10unidades	Usariamos 2
	150 pesos	