

Billy

UNIDAD ADAPTABLE A DISTINTOS TERRENOS TELEOPERADA

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Asesor: Danilo Caceres

Laboratorio de Sistemas Inteligentes

	Piezas requeridas para la construcción de la unidad Movil Billy								
#	Descripción Descripción	Cant.	Precio	Sub.	Descripción Grafica				
			Unitario	Total	1				
	LOCOMOCIÓN								
<u>01</u>	Oblique U- shaped Servo Bracket	4	5.00	20.00					
Ma	https: anipulator/dp/B072I8I	//www.am PKL5/ref=s	nazon.com/Ba sr 1 17?ie=UT	ngBang-C F8&aid=1	Oblique-U-shaped-Bracket- 548035324&sr=8-17&keywords=servo+bracket				
02	LewanSoul LD- 220MG 20kg High Torque Full Metal Gear Digital Servo Dual Ball Bearing	4	22.00	88.00	DIGITAL SERVO TO THE CONTROL OF THE PARTY O				
Alıı					LD-220MG-Digital-Bearing- =1548035324&sr=8-7&keywords=servo+bracket				
03	ANNIMOS 20KG Digital Servo High Torque Full Metal Gear	4	18.00	72	Z O Kg Whith S DSSERVO DIGITAL SERVO				
					OS-Digital-Waterproof-DS3218MG- 8270718&sr=8-3&keywords=20kg+servo				
04	Seamuing 10Pcs Servo Horn Arm Aluminum 25T Futaba Servo Disc	1	9.00	9.00	25T Servo Horn The other side X 20				
					ıminum-Futaba-Mechanical- =1548270793&sr=8-5&keywords=25T+disc				

		T	ı	ı					
<u>05</u>	Magic&shell 2-	2	12.00	24.00					
	Pack 6mm								
	Flange Shaft								
	Coupling High								
	Hardness								
	Metal Axis								
	Bearing								
	1		(3.4		1: ** 1				
	https://www.amazon.com/Magic-Coupling-Hardness-Accessory- Connector/dp/Bo7FLWQMNW/ref=sr_1_2_sspa?ie=UTF8&qid=1548271049&sr=8-2-								
	Connector/up/		pons&keywor						
06	Boeray 1pcs 7	2	7.00	14.00					
	Hole Cross		7						
	Joining Bracket								
	Plate for								
	Aluminum								
	Extrusion				0/				
	Profile 2020								
	Series, 7 Hole								
	-								
	Joint Plate	//www.aw	azon com/lo	ining Pro	ket-Aluminum-Extrusion-				
					JTF8&qid=1548271256&sr=8-				
	T Tollie,				minum+joint+plate				
<u>07</u>	IZTOSS 4PCS	3	21.00	63.00					
	Die-Cast Zinc								
	Alloy Pivot				4				
	Joint for				13				
	Áluminum								
	Extrusion								
	Profile 2020				(A)				
	Series				A NON				
	Series								
	https:/	/www.am	 	COSS-Die-	Cast-Aluminum-Extrusion-				
					TF8&qid=1548271696&sr=8-				
					luminum+pivot				
<u>o8</u>	Boeray 50pcs	1	10.00	10.00					
	M ₅ Slide in T								
	Nut Drop in				3				
	Nut for								
	Aluminum								
	Extrusion with								
	Profile 2020								
	Sereis Slot								
	6mm								
		:://www.ar	nazon.com/B	oeray-Alu	minum-Extrusion-Profile-				
Serei					800&sr=8-8&keywords=2020+profile+aluminum				

<u>09</u>	Greartisan DC 12V 100RPM Gear Motor High Torque Electric Micro Speed Reduction Geared Motor Centric Output Shaft 37mm Diameter Gearbox https:	4 //www.am	16.00	64.00	Electric-Reduction-Centric-			
		er/dp/Bo72	2R57C56/ref=	sr_1_6?ie=	UTF8&qid=1548271877&sr=8- 2Bmotor&th=1			
10	Hilitchi 510pcs M3 M4 M5 Stainless Steel Flat Head Hex Socket Head Cap Bolts Screws Nuts Assortment Kit - 304 Stainless Steel	1	15.00	15.00	MAN NO MAN IN MA			
https://www.amazon.com/Hilitchi-510pcs-Stainless-Socket- Assortment/dp/B073SVMX3T/ref=sr_1_5?ie=UTF8&qid=1548272606&sr=8-5&keywords=m3+m4+m5+flat+head								
11	Linear Motion Aluminum Profiles - 200mm Length 2060 T-Slot Aluminum Profiles Extrusion Frame for CNC	3	15.00	45.00				
Extru	https://www.amazon.com/Linear-Motion-Aluminum-Profiles- Extrusion/dp/Bo7MMX1QW9/ref=sr_1_1?ie=UTF8&qid=1548272841&sr=8-1&keywords=2060+t-slot+200mm Hardware/Sensores							

PÁGINA 3

12	ASUS Tinker Board Quad- Core	1	85.25	85.25	⊕ tinkerboard S				
https:	://www.amazon.com/	gn/produc	rt/BooFS83U4	2/ref=ox	sc_saved_title_1?smid=ATVPDKIKXoDER&psc=				
P		OF / F	-	1					
13	ADC 16 BIT I2C HILETGO	2	6.99	13.98	1 661; 1 7C				
		Bo1DLHK	MO2/ref=sr_1	_4?ie=UT	ogrammable-Amplifier-Development- F8&qid=1550794750&sr=8- overter+raspberry+pi				
14	Mini Maestro 18-Channel USB Servo Controller	1	39.95	39.95					
		https	://www.pol	olu.com	1/product/1354				
15	Dual MAX14870 Motor Driver Shield for Arduino	2	12.75	25.50					
	https://www.pololu.com/product/2519/specs								

<u>16</u>	Tic T8 ₃₄ USB Multi-interface Stepper Motor Controller	2	31.95	63.90	SC AN COLOR STEP DUR AND VIM COLOR STEP DUR A
		tps://ww			duct/3132/resources
17	Arduino Mega 2560 REV3	1	33.88	33.88	DIV
					NO-MEGA-2560-REV3- &ie=UTF8&qid=1550887800&sr=1-
		Γ	3&keywords	=ARDUIN	
<u>18</u>	Cylewet 10Pcs 3.3V-5V 4 Channels Logic level converter	1	15.29	15.29	
		al/dp/Bo74	4M8TM81/ref	=sr_1_3?ie	-5V-Channels-Converter-Bi- =UTF8&qid=1550887969&sr=8-
19	Pololu 3.3v, 2.5A Step- Down Voltage Regulator D24V25F	1	10.95	10.95	ifter+3.3v+to+5v
		https:	//www.pol	olu.com	/product/2849

20	Pololu 5v, 2.5A Step-Down Voltage Regulator D24V25F	2	10.95	21.90					
	T -	https:	//www.pol	olu.com	/product/2850				
21	AltIMU-10 v3 Gyro, Accelerometer, Compass, and Altimeter	1	13.95	13.95					
	https://www.pololu.com/product/2469								
22	Pololu Carrier with Sharp GP2YoA6oSZL F Analog Distance Sensor 10- 150cm,5v	4	12.95	51.80	a sessive sessi				
	I	https:	//www.pol	olu.com	/product/2474				
23	VL53L1X Time- of-Flight Distance Sensor Carrier with Voltage Regulator, 400cm Max	4	11.95	47.80					

24	Camera Module for Tinker Board (Adjustable Focus)	1	25.99	25.99	Physical Computing Lab Rev B2.0 Verified for ASUS Tinker board			
htt	ps://www.amazor	n.com/Ca	amera-Mod	lule-Tin	ker-Board-Adjustable/dp/Bo7916CXJX			
<u>25</u>	Pixy2 Smart Vision Sensor	1	59.90	59.90				
		https://wv	vw.amazon.co	om/Pixy2-	Smart-Vision-Sensor-			
	BeagleBone/dp/Bo7		ref=sr_1_1_ssp pons&keywor		ronics&ie=UTF8&qid=1550892586&sr=1-1-			
<u>26</u>	HRB 3S 11.1V	1	48.99	48.99	CAMAPSC=1			
	6000mAh 50C RC LiPo Battery Pack with XT60 plug For RC Helicopter RC Airplane RC Hobby				HAB 6000 MAN			
	https://www.amazon.com/dp/Bo6XK9149L/ref=sspa_dk_detail_1?psc=1&pd_rd_i=Bo6XK 9149L&pd_rd_w=6aPMo&pf_rd_p=73354odf-43od-45cd-9525-21bc15boe6cc&pd_rd_wg=tWoal&pf_rd_r=NJ6KEVBX3CVN1KZ4D1AV&pd_rd_r=da2ea41 8-3974-11e9-adab-476bc8823do7							

	1	1	ı		
27	Lipo Battery	1	17.99	17.99	
	Charger -				
	Energy tech				
	Balance				
	Charger				
	AC/DC 20W				Brings Craco
	2A 2-4Cells for				
	LiPo/Life/LiH				
	V Airsoft RC				Maria
	Car Battery				
	Charging				

 $https://www.amazon.com/dp/Bo7H3PS7DF/ref=sspa_dk_detail_2?psc=1&pd_rd_i=Bo7H3PS7DF&pd_rd_w=1\\FsPH&pf_rd_p=73354odf-43od-45cd-9525-\\21bc15boe6cc&pd_rd_wg=Ja7TE&pf_rd_r=WD6TTJW96o75JZRG6HQ4&pd_rd_r=b155ae89-3975-11e9-8d5f-8b5d7eo9eabc$