

#	Item ID	Sub-System	Part Name	Description	Manufacturer / Supplier	Part Number / SKU	Qty.	Unit Cost (\$AUD)	Total Cost (\$)	Weight (g)	Total Weight (g)	Status	Purchasing Link	Notes
	1	Propulsion												
	1.1		SQUEEN U2 MINI 1.3Kg Underwater Thruster 16V 13		underwaterthruster	U2 mini	4	63.65	254.6	210	840	Arrived	Link	Il sourced from sea
	1.2													
	2	Electronics												
	2.1		Pixhawk 6X + Mini Baseboard + PM02	FLAG	Dr.Uav / HolyBro	6X-ICM-45686-5	1	300	300	50	50	Arrived	Link	ne by, ensure its 6
	2.2		atek Systems PDB XT60 W/ BEC 5V / 12V 2oz Coppr		dronesexpress	PDB-XT60	1	36	36	7.5	7.5	On Order	Link	cheaper source el
	2.3		Fathom-X Tether Interface Board		Blue Robotics	BR-100178	2	212.15	424.3	100	200	Arrived	Link	Need 2
	2.4		Tattu 5200mAh 4s 35c Lipo Battery Pack		NextFPV	TA52004S35	2	99.95	199.9	435	870	ON HOLD	Link	rou can find altern
	2.5		Automotive Relay, 12V dc Coil Voltage, 90A Switchin		Rs	915-6644	1	7.99	7.99	14	14	Arrived	Link	
	2.6		Switch		Blue robotics	BR-100433	1	42.43	33.944	20.5	20.5	Arrived	Link	
	2.7		XF-Z-1MINI		UmmanedRC		1	363.98	363.98	69	69	On Order	Link	
	2.8		Assorted connections + Wires		Misc		0	0	30	0	0	S9/Custom		
	4	Frame & Enclosure												
	4.1		Fathom ROV Tether		Blue Robotics	BR-100985-050	1	379.29	303.432	600	600	Arrived	Link	slim 50m
	4.2		Watertight Enclosure		Blue Robotics	WTE-VP	1	521.96	417.568	736	736	Arrived	Link	See image ->
	4.3		150mm Item Profile	FLAG	Item		4		0	72	288	On order	Link	
	4.4		item end caps	FLAG	Item		8		0	0	0	On order	Link	
	4.5		T nuts Item	FLAG	Item		20		0	2	40	On order	Link	v4 Stainless steel
	4.6		Penetrators 7.5 HC(7.0+0.3mm)		Blue Robotics	BR-100870-175	4	19.74	63.168	14.5	87	Arrived	Link	it to account for t
	4.7		Clamps		Blue Robotics		4	66.83	213.856	161	966	Arrived	Link	
	5	Buoyancy												
	5.1		?						0		0			
	5.2		?						0		0			
	6	Fasteners												
	6.1		M3				10	0	0	0	0	S9/OWS		
	6.2		M4				20	0	0	0	0	S9/OWS		
	7	Payload												
	7.1		Lumen Subsea Light		Blue Robotics	BR-100857	1	265.52	212.416	118	118	Arrived	Link	
	7.2													
	8	3D Printed	PLA filament		Anywhere		1	20	20	0	0	@ o Block/home		
	8.1		RailMount A-D		Custom		4	0	0	16	64	@ o Block/home		
	8.2		Rails		Custom		2	0	0	11	22	@ o Block/home		
	8.3		CircularMount		Custom		1	0	0	21	21	@ o Block/home		
	8.4		SideMount		Custom		4	0	0	6	24	@ o Block/home		
	8.5		Thruster Mount		Custom		4	0	0	13	52	@ o Block/home		
	8.6								0		0			
							TOTALS:		2881.154		5089			
		WTE Item	Weight(g)											
		Tube	442											
		Flange 2x	162											
		Hole cap	93											
		Dome	39											
		total	736											

