

BOM	Product/Project: Quadrupe V0.6 Revision date: 2025-11-18		https://www.printables.com/@TomKnox		
	Description	Qty	Product URLs		Notes
Components					
>>	Servo Motors	10	ALIEXPRESS LINK	AMAZON Link	180 degrees, 35kg (Approx 49.5x20,2x40mm)
>>	Rasberry Pi Modell 3B	1	ALIEXPRESS LINK	AMAZON Link	RasPi 4 and 5 works great aswell <---- LINK
>>	Rasberry Pi Camera v2	1	ALIEXPRESS LINK	AMAZON Link	
>>	Rasberry Pi 20cm ribbon cable	1	ALIEXPRESS LINK	AMAZON Link	
>>	PCA9685 16 Channel 12-Bit PWM Servo Motor Driver	1	ALIEXPRESS LINK	AMAZON Link	
>>	Buck converter 5A 75W DC-DC Step Down Power Module	1	ALIEXPRESS LINK	AMAZON Link	
>>	Rocker Switch	1	ALIEXPRESS LINK	AMAZON Link	
>>	LiPo battery	1	ALIEXPRESS LINK	AMAZON Link	
>>	RasbP 3bi Cooling System	1	ALIEXPRESS LINK	AMAZON Link	
>>	32GB MicroSD card	1	ALIEXPRESS LINK	AMAZON Link	
>>	XT60 connectors	1	ALIEXPRESS LINK	AMAZON Link	For battery connection
Misc					
>>	Heat insert set	-	ALIEXPRESS LINK	AMAZON Link	
>>	Heat insert set	-	ALIEXPRESS LINK	AMAZON Link	Alternative
>>	Heat Insert M3x5x4	76	ALIEXPRESS LINK	AMAZON Link	
>>	Heat Insert M2x3x3	16	ALIEXPRESS LINK	AMAZON Link	
>>	Power Wire	-	ALIEXPRESS LINK	AMAZON Link	12AWG - (For 2A and/or 5v)
>>	Communication / Signal Wire	-	ALIEXPRESS LINK	AMAZON Link	22AWG - (Recommend solid core)
>>	M3 Button Cap Screw set	-	ALIEXPRESS LINK	AMAZON Link	You need ~80pc of M3x8
>>	M3 Torx Screw Set	-	ALIEXPRESS LINK	AMAZON Link	
>>	M3 Socket Head Cap screw set	-	ALIEXPRESS LINK	AMAZON Link	
>>	Ferrules Set	-	ALIEXPRESS LINK	AMAZON Link	
>>	Reusable Velcro Cable Ties	-	ALIEXPRESS LINK	AMAZON Link	
>>					
>>	M3 Button Cap Set (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Alternative link
>>	M3 Socket head cap (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Alternative link
>>	M3 Heat Insert set (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Alternative link
>>	M3 Spacers/Distances (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Alternative link
Filament					
>>	PC / ASA / ABS / PETG Filament	-	ALIEXPRESS LINK	AMAZON Link	
>>	PC-CF / PETG-CF / PA-CF / ABS+ (Engineering Grade Filaments)	-	ALIEXPRESS LINK	AMAZON Link	
>>	PLA	-	ALIEXPRESS LINK	AMAZON Link	
>>	TPU	-	ALIEXPRESS LINK	AMAZON Link	
Tools					
>>	Soldering Iron TS101	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Heat Inset Tip Kit - For TS101	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Electric Precision Screwdriver	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Allen Key Set	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Torx Key Set	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Torque Screwdriver	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Wire stripper	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Wire cutter	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Heat Insert Press Tool	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>	Crimp Tool	-	ALIEXPRESS LINK	AMAZON Link	(Recommended)
>>					
>>	Soldering Iron - Generic (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Budget friendly alternative
>>	Heat insert tip - set (Alternative)	-	ALIEXPRESS LINK	AMAZON Link	Budget friendly alternative
>>	Precision Screwdriver Set	-	ALIEXPRESS LINK	AMAZON Link	Budget friendly alternative