

Parts list for modular robots

Motor block(per each)

parts	name	#	material	Info.
3D printed component	XL430partA	1	PLA or ABS	
	XL430partB	1	PLA or ABS	
screw	M2.5 x 15	4		
	M2 x 6	4		
Motor	ROBOTIS XL430-250-T	1		https://emanual.robotis.com/docs/en/dxl/x/xl430-w250/

Base plate

parts	name	#	material	Info.
3D printed component	BasePart	1	PLA or ABS	
micro computer	ROBOTIS OpenCM9.04	1		https://emanual.robotis.com/docs/en/parts/controller/opencm904/
	ROBOTIS OpenCM Extension Board	1		https://emanual.robotis.com/docs/en/parts/controller/opencm485exp/
screw	M3 x 12	4		
nut	M3	4		

End link for pen fixation

parts	name	#	material	Info.
3D printed component	pen_link_inner	1	PLA or ABS	
	pen_link_main	1	PLA or ABS	
	prn_elastic_cap	1	Elastic material	
spring	TRUSCO TSS-55031	4		https://jp.c.misumi-ec.com/book/TRC1_0001/pdf/0001.pdf

Extension Parts(link, pin, pin remover)

parts	name	#	material	Info.
3D printed component	link1	1	PLA or ABS	
	link2	1	PLA or ABS	
	link3	1	PLA or ABS	
	link4	1	PLA or ABS	
	pin46square	1/connection	PLA or ABS	smaller pin
	pin47square	1/connection	PLA or ABS	standard pin
	pin48square	1/connection	PLA or ABS	bigger pin
	pin_remover	1	PLA or ABS	