

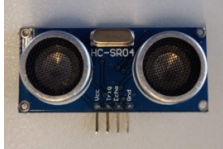
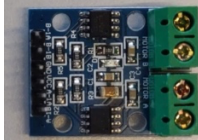
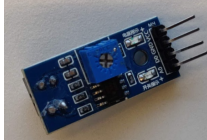












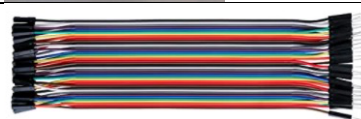



Embedded Software 2025/2026 (CSE2425) Robot Parts Check list

No		Quantity	
1	Raspberry Pi Pico H board & PCB board	1 + 1	 and 
2	HC-SR04 ultrasound ranging sensor	2	
3	L9110 H-Bridge	1	
4	TCRT5000 Infrared reflective sensor	2	
5	B83609 speed encoder	2	
6	Motors with gearbox	2	
7	Slotted Wheel	2	
8.0	wheels	2	
8.1	Caster wheel	1	
9	5000mAh Mi Power bank	1	

10	Micro USB (you could also find one at home probably)	1		
11	1 oled screen (optional)	1		
12	Red LED (optional)	1~2		
13	Wooden frames	1 bag		
14	3-pin Female-to-Female wires	1		
15	bag of screws and nuts (10 screws and 10 nuts)	1		
16	Jumper wires (male to female)	10	 (male to female)	
17	4-pin Female-to-Female wires	4		
18	ADKeyboard [optional]	1	