			Electronics BOM				
Quantity	Unit	Reference Designators	Part name	Part Number	Cost	URL to part	URL to Data sheet
1	each	Microprocessor	Raspberry Pi Zero W	3708	\$14.00	https://www.adafru	https://www.raspbe
1	each	Digital_Display	128x32 Mini OLED Display	3527	\$14.95	https://www.adafru	https://cdn-learn.a
1	each	Temp_sensor	Contact-less Infrared Scanner	MLX90614	\$15.95	https://www.adafru	https://cdn-shop.a
1	each	Input_sensor	IR Beam Break Sensor	2167			https://media.digik
2	each	AUDIO_IN, SPEAKER	HDR-F-2.54_1x2	C49661	\$0.03	https://lcsc.com/pr	https://datasheet.l
4	each	C1,C2,C4,C5		C527375	\$0.12	https://lcsc.com/pr	https://datasheet.l
1	each	C3	10uF	C380537	\$0.25	https://lcsc.com/pr	https://datasheet.l
1	each	F_HEADER	_	C50982	·	https://lcsc.com/pr	-
5	each	5V_HEADER, I2C_BUS_1, I2C_BUS_2, I2C_BUS_3, I2C_BUS_4	HDR-F-2.54_1x4	C225501	\$0.09	https://lcsc.com/pr	https://datasheet.l
1	each	M_HEADER	· - ·	C50980	•	https://lcsc.com/pr	
	each	R1, R5, R6, R7, R8		C270956		https://lcsc.com/pr	
1	each	R2		C81167		https://lcsc.com/pr	-
	each	R3,R4		C63036		https://lcsc.com/pr	
	each	U1		C112137		https://lcsc.com/pr	https://datasheet.
	each	JLCPCB	PCB	Y3-3565453A	\$20.00		
1	each	N/A	SAMSUNG EVO Select 64GB microSDXC	MB-ME64HA	\$10.99	http://www.amazo	
				Subtotal:	\$79.23		
		Enclosure BOM					
uantity	Size	Part in Assembly	Length	Estimated Cost			
3	M4	Temperature Scanner Mount to Backboard	12-15mm	\$1			
8	M4	Beam Break Sensor Mount to Backboard	13-15mm	\$3			
4	M3	Raspberry Pi Mount to Backboard	10-13mm	\$1			
1	M3	OLED Mount to Backboard	8-10mm	\$1			
4	M4	Speaker Mount to Backboard	25-27mm	\$1			
2	M3	Beam Break Sensor Mount	13-15mm	\$1			
4		Command Strips		\$3			
1 Kg		3D Printer Fillament for Enclosure		\$25			
1		1/4" Brass nut		\$4			
			Subtotal:	\$36			
			Total:	\$115			