Part #		Part Description	Part Description	Part Description	Part Description	Part Description	Part Description	Quantity	Cost Per Item	Rationale	Quick Calculation	Total Cost
1	Master Carton							1	\$358.9452	sum of its components	20 headphones shipped per carton	\$358.9452
2		Big Box						1	\$0.4000	onium.com/blog /view/how-to- price-your- product-for-	We assume the headphones will be packaged in a larger screen printed container together with overall instructions and other packaging materials, http://tcprinting. en.alibaba.com/ productgrouplist - 802884164/Pap er_Packaging_ Box.html	
3		Packaging Materials (Big Box)						1	\$0.8000	onium.com/blog /view/how-to- price-your- product-for-	rough estimations were based off the assumption that packaging materials are needed for cushioning, and labels/instructio ns were screen printed, more packaging materials needed to accommodate 20 headphones per box, http://www.aliba ba.com/product- detail/Bottom- price-high-end- shantou- packing_18647 886.0.7248 38.0.0.2JfYR1	
S		OM							\$0.0000	consumer-sai	30.0.0.2JITRI	\$0.000
4		Headphones, black and silver, plastic and metal, 9" x 2.5" x 9"						20	\$17.2873	Material Cost		\$345.7452
5			Headphone Cup Right, black and silver, plastic and metal, 2.5" diameter x 1.25" deep					1	\$10.01	Material Cost		\$10.01
6				Foam Earpad, black, foam, 2.5" diam. x .75" deep				1	\$1.50	http://www.aliba ba.com/product- detail/White- Big-Leather- Headphone- Cushion_60115 356644.html	Guandong, supplies beadphones	\$1.50

7			Earpad Holder Right, white, plastic, 1.5" diam. x 1" deep (tapered)			1	0.5805	by volumetric and material comparison, calculator: http://www.cust ompartnet.com/ estimate/injectio n-molding/	.041(material) + 0.231 (product) + 0.617 (tooling) = 0.889	0.5805
8			Speaker Grill, black, plastic, 2" diam. x .25" deep			1	0.3395	by volumetric and material comparison, calculator: http://www.cust ompartnet.com/ estimate/injectio n-molding/	.01 (materials) + .109 (production) + .441 (tooling) = .56	0.3395
9			Back Plate Right, Silver, Aluminum, 2" diam. x .0625"			1	0.257	http://sz- zd.en.alībaba.co	.49 in^3 (volume) * 10.2 lb / in^3 (density)* .49 in ^3 * \$.3/lb (cost of aluminum) = \$.147 for material only. Assume labor and tooling is 75% of materials, so .147 + .11 = .257	0.257
10			Electronics Assebmly Right			1	6.92	Material Cost		6.92
11				Battery AAA Lithium, silver, metal, .41" diam. x 1.75" deep		2	1	http://www.aliba ba.com/product- detail/ER10450- aaa-cell-lithium- battery_132933 5360.html?spm =a2700.772483 8.0.0.PF5bUM	Rechargeable AAA battery, assume low price	2
12				Battery holder, plastic & metal, black, .5" x 2"		1	0.1	http://sunhokey.	We are a high volume application, so assume low end of price range.	0.1
13				Right PCB		1	4.02	Material Cost		4.02
17				Driver, black, metal & plastic, 1.5" diam. x .5" deep		1	0.7	headphone- parts_80359064 4.html?spm=a2 700.7724838.0.	We are a low volume application, so assume higher end of price range.	0.7
36		1.5685		Heart rate sensor, metal & plastic, .25" OD x .05" depth		1	0.1	m=a2700.77248	We are middle volume (MOQ = 1, suppliability = 200K/week)	0.1

31			Rear Speaker Holder, black, plastic, 2" diam. x .25" deep			1		by volumetric and material comparison, calculator: http://www.cust ompartnet.com/ estimate/injectio n-molding/	.021 (materials) + .113 (production) + .515(tooling) = .649	0.3915
33			Phillips Screw, Silver, Steel, .54" length, #6- 24, .122" major diameter			4		5 assuming 10x	Cost)/100(# of parts) *(1/10) for	\$0.0185
20	L s c	Headphone Cup Left, black and silver, plastic and metal, 2.5" diameter x 1.25" deep				1	\$6.48	Material Cost		\$6.48
6			Foam Earpad, black, foam, 2.5" diam. x .75" deep			1		detail/White- Big-Leather- Headphone-	factory in Guandong, supplies headphones from \$.15 to \$1.5	\$1.50
21	1.5685		Earpad Holder Left, white, plastic, 1.5" diam. x 1" deep (tapered)			1		by volumetric and material comparison, calculator: http://www.cust ompartnet.com/ estimate/injectio n-molding/	.041(material) + 0.231 (product) + 0.617 (tooling) = 0.889	0.5805
8			Speaker Grill, black, plastic, 2" diam. x .25" deep			1		by volumetric and material comparison, calculator: http://www.cust ompartnet.com/ estimate/injectio n-molding/	.01 (materials) + .109 (production) + .441 (tooling) = .56	0.3395
22			Back Plate Left, Silver, Aluminum, 2" diam. x .0625"			1		https://yuanden g.en.alibaba.co m/product/6042 9711133- 219390821/OE M_OEM_stainle ss_stee_alumin um_brass_shee t_metal_stampi ng_parts_sharp & eimage.html &	Assume labor and tooling is 75% of materials so	0.257
23			Electronics Assebmly Left			1		Material Cost		3.41
11				Battery AAA Lithium, silver, metal, .41" diam. x 1.75" deep		2		http://www.aliba ba.com/product- detail/ER10450- aaa-cell-lithium- battery_132933 5360.html?spm =a2700.772483	Rechargeable AAA battery, assume high price end	2

12				Battery holder, plastic & metal, black, .5" x 2"		1			We are a low volume application, so assume higher end of price range.	0.1
24				Left PCB		1	0.61	Material Cost		0.61
17				Driver, black, metal & plastic, 1.5" diam. x .5" deep		1	0.7	https://www.alib aba.com/produc t-detail/40mm- 8ohm-0-2W- headphone- parts_80359064 4.html?spm=a2 700.7724838.0. 0.sE92IM&s=p	We are a low volume application, so assume higher end of price range.	0.7
31			Rear Speaker Holder, black, plastic, 2" diam. x .25" deep			1	0.3915	by volumetric and material comparison, calculator: http://www.cust ompartnet.com/ estimate/injectio n-molding/	.021 (materials) + .113 (production) + .515(tooling) = .649	0.3915
33			Phillips Screw, Silver, Steel, .54" length, #6- 24, .122" major diameter			4	\$0.0046	based on http://www.mcm aster.com/#mac hine- screws/=124n3j 5 assuming 10x mark up	4.63(Retail Cost)/100(# of parts) *(1/10) for	\$0.0185
26		Head Band, black and silver, metal and foam, 9" diameter by 1.25" depth				1	0.7971111111			0.7971111111
27			Band, silver, aluminum & foam, 1.5" x 8" x 6"			1	0.139	http://www.aliba ba.com/help/gol d_supplier.html ?tracelog=from_ widget_supplier card_aisn-	(((.25 OD in^2*pi2 ID ^2*pi)*9in long * 0.098 lb/in^3)^- 1*2204 lbs/metric ton)^- 1*\$2500 for custom extrusion per metric ton * 1.3 (custom curvature) * 1.5 (final overmolding of foam cushion)	0.139
28			Wire, black, metal and plastic, 9" length, 28 gauge			1	0.16	https://www.alib aba.com/produc t-detail/FEP- insulated-teflon- 28-gauge- copper_600204 96177.html?sp m=a2700.77248 38.0.0.hU7MHX &s=p	\$.09/meter * .2meters = \$.018	0.16

						https://www.alib aba.com/produc t-detail/FEP- insulated-teflon- 28-gauge- copper_600204		
31		Wire, red, metal and plastic, 9" length, 28 gauge		1	0.16	copper_600204 96177.html?sp m=a2700.77248 38.0.0.hU7MHX &s=p	\$.09/meter * .2meters = \$.018	0.16
29		Circular Socket, silver, aluminum, .375" diam. x .65"		2		ba.com/help/gol d supplier.html	((.375/2)^2*pi - ((.375- .125)/2)^2*pi)*.6 5(depth) = .04 in^3 * .3 \$/lb = .122, assume labor is 25% cost of materials122 =	0.306
30		Circular Socket Cup, black, plastic, .25"diam x .1"		4		http://www.cust	.375" outer diameter, .325" inner diameter, .1" height	0.024
30		Heat Shrink, Black, Plastic, 1" length, .25" diameter		4		based on a size comparison with: http://www.mcm aster.com/#749	\$14.60 (Retail Cost)/15(# of parts)*(1/12:	\$0.0024
34	OM Headphones Packaging Materials & Instructions			20		based on https://www.nuv onium.com/blog /view/how-to- price-your- product-for-	rough estimations were based off that packaging materials are needed for cushioning, and labels/instructio ns were screen printed, http://www.aliba ba.com/product-	\$8.0000
35	OM Headphones box 10" x 10" x 4"			20		based on https://www.nuv onium.com/blog /view/how-to- price-your- product-for- retail-distributor- and-direct-to-	We assume the headphones will be packaged in a screen printed container individually with the instructions and other packaging materials, http://tcprinting. en.alibaba.com/ productgrouplist	\$4.0000