

Pocket Class A Headamp BOM				
Standard Caps Version June 30, 2017				
Used with permission from XRK971				
Label on Board	Value	Qty	Part No.	Notes
R1	100k	2		0805 1/8W Metal Thin Film 1%
R2	47k	2		0805 1/8W Metal Thin Film 1%
R3	1k	2		0805 1/8W Metal Thin Film 1%
R4	33R, 47R, or 51R	2ea=6		0805 1/8W Metal Thin Film 1% (nominal is 47R, increase for higher bias)
R5	270R	2		0805 1/8W Metal Thin Film 1%
R6	47R	2		0805 1/8W Metal Thin Film 1%
R7(1-4)	470R	8		0805 1/8W Metal Thin Film 1%
RLED	12k	1		0805 1/8W Metal Thin Film 5%
RL	270R	2		0805 1/8W Metal Thin Film 1%
C1	2.2uF 50V	2	MKS2B042201F00JSSD	Wima MKS film 5%
C2_1	390uF 20V	2	20SEPF390M	Panasonic OSCON, also 1000uF 16V 16SEPF1000M are better for low impedance phones
C2_2	1uF 63V	2	MKS2C041001F00KSSD	Wima MKS film 5%
C3	2200uF 16V	2	UVK1C222MPD	Nichicon, use shrinktube on legs
C4	100nF 50V	2		0805 0.1uF 50V X7R MLCC
C5	100nF 50V	2		0805 0.1uF 50V X7R MLCC
Q1	BF862	2	BF862.215	N-junction JFET (NXP) - matched pair
M1	ZVN4306	2	ZVN4306GTA	N-ch MOSFET (ZETEX/Diodes Inc) - matched pair
Input	3.5mm stereo jack	1	35RAPC4BV4	Switchcraft
Output	3.5mm stereo jack	1	35RAPC4BV4	Switchcraft
Pot	10k linear w/ power	1	RK0971221Z05	Alps Rk09 with 6mm shaft with flat and on/off switch
LED	3mm	1		Any color, use shrink tube on legs and bend 90deg
BATT	JST 4-pin 0.1in pitch	2		Includes prewired(crimped) mating female plug with 9v battery harness
Battery leads	9v snap leads, 6in	2	236	Keystone
Vol Knob	6mm shaft with flat	1		Machined Aluminum, 12mm dia max

For more tips see GB thread on DIYAudio <http://www.diyaudio.com/forums/group-buys/302859-xrk971-pocket-class-headamp-gb.html>