

O2 headphone amplifier output booster board, agdr, 2013

part		mfgr	mfgr number	mouser	each	ttl
250mA audio current buffer dpak5	2	IC2, IC4	TI	LME49600TS/NOPB	926-LME49600TS/NOPB	\$5.17 \$10.34
FET input low distortion op amp soic8	2	IC1, IC3	TI	OPA827AID	595-OPA827AID	\$8.91 \$17.82
47uF 35V 10% solid tantalum 2917 0.2R	2	C1, C2	Kemet	T495X476K035ATE200	80-T495X476K035AT	\$2.67 \$5.34
4.7uF 35V 10% solid tantalum 1210 0.7R	4	C6, C7, C13, C14	AVX	TPSB475K035R0700	581-TPSB475K035R0700	\$1.27 \$5.08
0.1uF 50V COG MLCC 1206	8	C3, C4, C8, C9, C10, C12, C15, C16	murata	GRM31C5C1H104JA01L	81-GRM31C5C1H104JA1L	\$0.70 \$5.60
150pF 50V 1% COG MLCC 0603 C<D - optional compensation caps	2	C5, C11	AVX	06035A221FAT2A	581-06035A221FAT2A	\$0.29
4.99K 0.1% 1/4W 25 PPM/K 1206 thin film - optional rail balancers	2	R1, R2	vishay	TNPW12064K99BEEA	71-TNPW12064K99BEEA	\$0.55 \$1.10
100R 1% 1/8W 0603 thin film - optional BW increase / high current draw mode (AC only)	2	R3, R4	vishay	MCT0603MC1000FP500	594-MCT0603MC1000FP5	\$0.17 \$0.34
PC board 4 layer, QTY 5, each	1		Seeed	Fusion 4 layer 1.6mm 28mmx80mm		\$12.00 \$12.00
DIP headers, 8 pin	2					
GRAND TOTAL						\$57.62