

SmartAmp 2.0 Parts List

02/04/2012

Assembly	Description	Digi-Key PN	Qty.
Integrated Circuits			
U1, U3	LMC660 Quad CMOS Op-Amp	LMC660CN-ND	2
U2	LT1079 Quad Precision Op-Am	LT1079CN-ND	1
Resistors			
R1, R2, R8, R9, R10, R24	49.9K Ω , 1/4W, 1% metal film	49.9KXBK-ND	10
R15, R16, R22, R23			
R5, R6, R13, R19, R20, R27	499K Ω , 1/4W, 1% metal film	499KXBK-ND	6
R12, R26	2.43K Ω , 1/4W, 1% metal film	2.43KXBK-ND	2
R11, R25	332K Ω , 1/4W, 1% metal film	332KXBK-ND	2
R7, R21	4.99K Ω , 1/4W, 1% metal film	4.99KXBK-ND	2
R28, R29, R30, R31	562K Ω , 1/4W, 1% metal film	562KXBK-ND	4
P1, P2	1M Ω , 9mm linear trimpot	3310C-1-105ND	2
P3, P4	100k Ω , 9mm linear trimpot	3310C-1-104ND	2
Capacitors			
C1, C2, C15, C16	10 μ F, tantalum, 10%, 25V	P2049-ND	4
C3, C4, C13, C14	0.01 μ F, polyester, 5%, 50V	P4582-ND	4
C10, C11	0.001 μ F, polyester, 5%, 50V	P4551-ND	2
C5, C8, C9	1 μ F, metallized film, 5%, 50V	P4675-ND	3
C6, C7, C12, C17, C18	0.1 μ F, polyester, 5%, 50V	P4593-ND	5
CB1, CB2, CB3	33 μ F, tantalum, 10%, 25V	P2097-ND	3
Misc.			
U1, U2, U3 sockets	14 pin machined DIP socket	ED3314-ND	3
SW1	DPST power switch	CKN1010-ND	1
J1, J2	Input connectors	not available	2
J3, J4	BNC Rt. Angle PC mount (New	AMP31-5431	2
J5, J6	9V battery clip	72K-ND	2
	9V ABS enclosure	Fry's 251I-RED	1
	2.75"W x 4.25"L x 1.25"H		