

BA-3 Burning Amp Gain Stage (to be used for Preamplifier)						
V1.0a 10/11/2011						
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Description	Component	Qty	Value	Rating	Notes	Alternate Value
N-Channel JFET Input	Q1	2	2SK170			2SK370
P-Channel JFET Input	Q2	2	2SJ74			2SJ108
P-Channel MOSFET Output	Q3	2	2SJ313			FQP3P20
N-Channel MOSFET Output	Q4	2	2SK2013			FQP3N30
Electrolytic Capacitor	C1, C2	4	1000uf/25V		EEU-FR1E102LB	
Capacitor	C3	2	10uf		Clarity Cap	
Resistor	R1	2	1K		RN60	
Resistor	R2	2	47K		RN60	
Resistor	R3,R4	4	10R		RN60	
Resistor	R5, R6, R7, R8, R9, R12	12	100R		RN60	
Resistor	R10, R11	4	22R		RN60	
Resistor	R13	2	330R	3W	CPF3330R00J	
Trimmer	P1, P2	4	500R		3362P-1-501LF	
Trimmer	P3	2	100R		3362P-1-101LF	
Heatsink for outputs		8			567-274-2AB	
mica for TO-220		8				
Power supply	+/- 24VDC ?A				Kubota Full Blown	
transformer	20-0-20 100VA				Antek AS1220 and SHIELD	
transformer shield					included with Antek	
Enclosure					Pessante 2U with custom faceplate	
Power Switch	Bulgin DPDT				Green	
IEC entry module with fuse					have with fuse	
Volume	50K stereo audio taper				EIZZ from EIZZ direct	
Input Selector	Two 4 channel input boards				Jim's Audio	
	Rotary Switch - 2-12 pos				1/4" hole	
DAC?					Use existing one	
Phono Section					ESP	
DC/DC converter for ESP Phono	24 Vto 15V - 5W minimum				?? Order Sowter	or use Altec 1588A?
MC SUT						
RCA jacks for input and output	red	8				
	white	8				
LED - Input indicator	green, drill .16"	8			492-1540-ND (PM3GD)3mm diffused	
LED - Power	not needed - on Pwr switch				568NM	