

## CAPI 2-ACA-Bo Rev B.1 PCB BOM

Resistors							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
8	PR1	10R	.25W 5% CF	Xicon		291-10-RC	Mouser
	PR2	10R					
	PR3	10R					
	PR4	10R					
	PR5	10R					
	PR6	10R					
	PR7	10R					
	PR8	10R					
2	R3	47R	.5W 1% MF	Xicon		273-47-RC	Mouser
	R8	47R					
2	R2	47K	.25W 1% MF	Xicon		271-47K-RC	Mouser
	R7	47K					
2	R9	100K	.25W 1% MF	Xicon		271-100K-RC	Mouser
	R12	100K					
2	R10	28K	.25W 1% MF	Xicon		271-28K-RC	Mouser
	R13	28K					
2	R11	100R	.25W 1% MF	Xicon		271-100-RC	Mouser
	R14	100R					
<b>If 10K Stereo Fader is used then R1, R5 are 51K</b>							
2	R1	51K	.25W 1% MF	Xicon		271-51K-RC	Mouser
	R5	51K					
<b>If 1K Stereo Fader is used then R1, R5 are 47.5K</b>							
2	R1	47.5K	.25W 1% MF	Xicon		271-47.5K-RC	Mouser
	R5	47.5K					
<b>If 600 ohm Stereo Fader is used then R1, R5 are 43.2K</b>							
2	R1	43.2K	.25W 1% MF	Xicon		271-43.2K-RC	Mouser
	R5	43.2K					
<b>If Talkback/slate/tone optional input is used then R4, R8 are 82.5K</b>							
2	R4	82.5K	.25W 1% MF	Xicon		271-82.5K-RC	Mouser
	R8	82.5K					



Diodes							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
2	CR1	400V	Rectifier	Fairchild Semiconductor		1N4004	Mouser
	CR2						

Capacitors							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
8	PC1	33µf, 35V	Radial, Electrolytic	Nichicon	2mm	UHE1V330MDD	Mouser
	PC2	33µf, 35V					
	PC3	33µf, 35V					
	PC4	33µf, 35V					
	PC5	33µf, 35V					
	PC6	33µf, 35V					
	PC7	33µf, 35V					
	PC8	33µf, 35V					
2	C10	.01µF, 100V	Film	WIMA	5mm	MKP2-.01/100/5	Mouser
	C14	.01µF, 100V					
4	C2	47pf, 50V	COG Ceramic	Vishay/BC	2.5mm	K470J15C0GF5TL2	Digi-Key
	C6	47pf, 50V					
	C11	47pf, 50V					
	C15	47pf, 50V					
2	C1	10µf, 25V	Axial, Electrolytic	BC	L 12.7mm	2222 138 36109	Digi-Key
	C5	10µf, 25V					
2	C9	220µf, 10V	Axial, Electrolytic	BC	L 18mm	MAL213834221E3	Digi-Key
	C13	220µf, 10V					
4	C3	470µf, 10V	Axial, Electrolytic	BC	L 18mm	MAL213834471E3	Digi-Key
	C7	470µf, 10V					
	C12	470µf, 10V					
	C16	470µf, 10V					
<b>If Talkback/slate/tone optional input is used then C4 and C8 are below</b>							
2	C4	10µf, 16V	Radial, Electrolytic	Panasonic	1.5mm	EAA-FC1E100	Mouser
	C8	10µf, 16V					



Connectors							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
4	J1	2 pin vertical	KK series	Molex	.156"	MX-26-48-1021	CAPI
	J3						
	J5						
	J6						
6	J8	3 pin vertical	KK series	Molex	.156"	MX-26-48-1031	CAPI
	J11						
	J13						
	J15						
	J17						
	J18						
<b>If Talkback/slate/tone optional input is used then J2 and J4 are below</b>							
2	J2	2 pin vertical	KK series	Molex	.156"	MX-26-48-1021	CAPI
	J4						
<b>If Mults are used from ACA output transformers</b>							
2	J14	3 pin vertical	KK series	Molex	.156"	MX-26-48-1031	CAPI
	J16						
<b>If Mults are used from Booster amp output transformers</b>							
2	J9	3 pin vertical	KK series	Molex	.156"	MX-26-48-1031	CAPI
	J12						
<b>If single secondary windings are used from Booster amp output transformers</b>							
2	J7	3 pin vertical	KK series	Molex	.156"	MX-26-48-1031	CAPI
	J10						
As required		2 pin recep	KK series	Molex	.156"	MX-09-50-3021	CAPI
As required		3 pin recep	KK series	Molex	.156"	MX-09-50-3031	CAPI
As required		Contact	KK series	Molex	.156"	MX-08-50-0106	CAPI



Operational Amplifiers							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
4	A1		Discrete	??			
	A2						
	A3						
	A4						

Transformers							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
2	T1		Output	audioiron		EA2503	CAPI
	T2						
2	T3		Output	audioiron		EA2623-4	CAPI
	T4						

Transistors							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
2	Q1	J111	N-Channel JFET	Fairchild Semiconductor	TO-92	J111_D26Z	Mouser
	Q2						

Miscellaneous							
Part # Qty	Position	Value	Type	Manufacturer	Spacing	Man. Part#	Vender
4	Opamps		6pc PC Sockets	Mill-Max		0322-0-15-15-34-27-10-0	CAPI
2	T1		L Bracket Kit	Keystone		L-BKT-2503	CAPI
	T2						

