

## CAPI VP28 Main Rev B & B.1 PCB BOM

Resistors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
4	PR1	10R	.25W 5% CF	Xicon	291-10-RC
	PR2	10R			
	PR3	10R			
	PR4	10R			
1	R18	24R	.25W 1% MF	Xicon	271-24-RC
2	R12	160R	.25W 1% MF	Xicon	271-160-RC
	R23	160R			
3	R1	200R	.25W 1% MF	Xicon	271-200-RC
	R4	200R			
	R16	200R			
1	R3	464R	.25W 1% MF	Xicon	271-464-RC
2	R13	665R	.25W 1% MF	Xicon	271-665-RC
	R14	665R			
1	R6	1k	.25W 1% MF	Xicon	271-1K-RC
1	R28	2k7	.25W 1% MF	Xicon	271-2.7K-RC
1	R2	3k6	.25W 1% MF	Xicon	271-3.6K-RC
2	R24	4k99	.25W 1% MF	Xicon	271-4.99K-RC
	R25	4k99			
1	R11	6k2	.25W 1% MF	Xicon	271-6.2K-RC
2	R15	6k8	.4W 0.1% MF	Vishay	MBB 0207-25 0.1% C1 6k8
	R26	6k8			
1	R5	10k	.25W 1% MF	Xicon	271-10K-RC
1	R9	13k7	.25W 1% MF	Xicon	271-13.7K-RC
1	R21	18k2	.25W 1% MF	Xicon	271-18.2K-RC
3	R8	20k	.25W 1% MF	Xicon	271-20K-RC
	R20	20k			
	R22	20k			
2	R17	31k6	.25W 1% MF	Xicon	271-31.6K-RC
	R27	31k6			
1	R7	59k	.25W 1% MF	Xicon	271-59K-RC



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<b>Resistors (continued)</b>					
1	R19	100k	.25W 1% MF	Xicon	271-100K-RC
1	R10	137k	.25W 1% MF	Xicon	271-137K-RC
1	R29	10R	.5W 5% CF	Xicon	293-10-RC

<b>RF ~ Stepped Fader Resistors</b>					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	RF1	15R	.25W 1% MF	Xicon	271-15-RC
1	RF2	23R2	.25W 1% MF	Xicon	271-23.2-RC
1	RF3	36R5	.25W 1% MF	Xicon	271-36.5-RC
1	RF4	59R	.25W 1% MF	Xicon	271-59-RC
1	RF5	93R1	.25W 1% MF	Xicon	271-93.1-RC
1	RF6	64R9	.25W 1% MF	Xicon	271-64.9-RC
1	RF7	82R5	.25W 1% MF	Xicon	271-82.5-RC
1	RF8	102R	.25W 1% MF	Xicon	271-102-RC
1	RF9	130R	.25W 1% MF	Xicon	271-130-RC
1	RF10	165R	.25W 1% MF	Xicon	271-165-RC
1	RF11	205R	.25W 1% MF	Xicon	271-205-RC
1	RF12	24R9	.25W 1% MF	Xicon	271-24.9-RC

<b>RG ~ Stepped Preamp Gain Resistors</b>					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	RG1	14k7	.25W 1% MF	Xicon	271-14.7K-RC
1	RG2	4k99	.25W 1% MF	Xicon	271-4.99K-RC
1	RG3	1k96	.25W 1% MF	Xicon	271-1.96K-RC
1	RG4	1k24	.25W 1% MF	Xicon	271-1.24K-RC
1	RG5	787R	.25W 1% MF	Xicon	271-787-RC
1	RG6	511R	.25W 1% MF	Xicon	271-511-RC
1	RG7	357R	.25W 1% MF	Xicon	271-357-RC
1	RG8	249R	.25W 1% MF	Xicon	271-249-RC
1	RG9	169R	.25W 1% MF	Xicon	271-169-RC
1	RG10	120R	.25W 1% MF	Xicon	271-120-RC
1	RG11	82R	.25W 1% MF	Xicon	271-82-RC



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Diodes					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	CR1	1N4004	Rectifier	Fairchild Semiconductor	1N4004
	CR2	1N4004			
1	CR3	BAT43	Schottky Diode	STMicroelectronics	BAT43
1	LED1	Red	2mm Lighthouse	Kingbright	WP13HD
1	LED5	Green	2mm Lighthouse	Kingbright	WP13GD
3	LED2	Yellow	2mm Lighthouse	Kingbright	WP13YD
	LED3	Yellow			
	LED4	Yellow			

Capacitors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	C16	100pF, 100V	Film	WIMA	FKP2-100/100/2.5
1	C13	150pF, 100V	Film	WIMA	FKP2-150/100/2.5
1	C4	27pF, 50V	COG Ceramic	Murata	RPE5C1H270J2P1Z03B
1	C14	68pF, 50V	COG Ceramic	BC	K680J15C0GF5TL2
1	C5	82pF, 50V	COG Ceramic	Murata	RPE5C1H820J2P1Z03B
1	C2	220pF, 50V	COG Ceramic	BC	K221J15C0GF5TL2
2	C7	1000pF, 50V	COG Ceramic	BC	K102J15C0GF5TL2
	C8	1000pF, 50V			
1	C11	.47μF, 63V	Metallized Polyester	Kemet	R82DC3470AA60J
1	C17	47μf, 25V	Radial, Electrolytic	Nichicon	UHE1E470MDD
2	C6	100μF, 50V	Radial, Electrolytic	Panasonic	EEU-FM1H101
	C15	100μF, 50V			
1	C9	120μF, 50V	Radial, Electrolytic	Nichicon	UHE1H121MPD
1	C1	330μF, 16V	Radial, Electrolytic	Nichicon	UHE1C331MPD
1	C10	1μF, 63V	Axial, Electrolytic	BC	MAL202138108E3
1	C3	33μF, 25V	Axial, Electrolytic	BC	MAL213836339E3
2	C12	470μF, 10V	Axial, Electrolytic	BC	MAL213834471E3
	C18	470μF, 10V			



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<b>Transistors</b>					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	Q1	2N3906	PNP-BJT	Fairchild	2N3906TA

<b>Operational Amplifiers</b>					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	A1		Discrete	??	
1	A3		Discrete	??	
1	A2	Single IC	JFET Input	Texas Instruments	TL081CP

<b>Transformers</b>					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	T1		Input	audioiron	EA2622
2	T2		Output	audioiron	EA2623-1
	T3				

<b>Switches</b>					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	SW1	1Deck-1Pole	Rotary-Shorting	Grayhill	71AF30-01-1-12S-F
	SW7	1Deck-1Pole			
1	SW2	SPDT	On-On Toggle	C&K Components	T101MH9ABE
4	SW3	4PDT	Pushbutton	Toneluck	MPN-S4-A
	SW4	4PDT			
	SW5	4PDT			
	SW6	4PDT			
1	SW3	Red	Pushbutton Cap	E-Switch	1RRED
1	SW5	White	Pushbutton Cap	E-Switch	1RWHT
2	SW4	Lite Gray	Pushbutton Cap	E-Switch	1RLGR
	SW6				



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Control Knobs & Inserts					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	SW1	.125" Shaft	CAPI Control Knob	CAPI	5-50-1A
1	SW7	.125" Shaft	CAPI Control Knob	CAPI	5-62-1A
1	SW1	Blue	Colored Insert	CAPI	JNW-x-50-blue
1	SW7	Blue	Colored Insert	CAPI	JNW-x-62-blue

Miscellaneous					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	A1	6pc set	PC Sockets	Mill-Max	0322-0-15-15-34-27-10-0
	A3	6pc set			
1	L Bracket		Aluminum	CAPI	VP28 L-Bkt
1	Face-Plate		Aluminum	CAPI	VP28 Faceplate
1	Hdw Kit		Misc	CAPI	VP28 Hdw
1	LED5	2-Pin Hdr		3M	929834-07-36-RK
2	LED5	Shrink	3:1		
1	****	PCB			VP28 Rev B PCB

