

CAPI VP28 Main PCB BOM

Resistors (RG's for the stepped gain switch are on the VP-Gainswitch schematic)					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	R27	Zero	.25W 5% CF	Xicon	291-0-RC
	R30				
2	R18	160R	.25W 1% MF	Xicon	271-160-RC
	R29				
4	R3	200R	.25W 1% MF	Xicon	271-200-RC
	R9				
	R13				
	R15				
1	R2	464R	.25W 1% MF	Xicon	271-464-RC
2	R17	750R	.25W 1% MF	Xicon	271-750-RC
	R19				
2	R5	1k	.25W 1% MF	Xicon	271-1K-RC
	R14				
1	R35	2.7k	.25W 1% MF	Xicon	271-2.7K-RC
1	R1	3.6k	.25W 1% MF	Xicon	271-3.6K-RC
2	R28	4.99k	.25W 1% MF	Xicon	271-4.99K-RC
	R31				
1	R11	6.2k	.25W 1% MF	Xicon	271-6.2K-RC
2	R20	6.8k	.4W 0.1% MF	Vishay	MBB 0207-25 0.1% C1 6k8
	R21				
1	R4	10k	.25W 1% MF	Xicon	271-10K-RC
1	R8	13.7k	.25W 1% MF	Xicon	271-13.7K-RC
1	R25	18.2k	.25W 1% MF	Xicon	271-18.2K-RC
3	R6	20k	.25W 1% MF	Xicon	271-20K-RC
	R26				
	R34				
4	R22	31.6k	.25W 1% MF	Xicon	271-31.6K-RC
	R23				
	R32				
	R33				



CAPI VP28 Main PCB BOM

Resistors (Continued)					
1	R12	100k	.25W 1% MF	Xicon	271-100K-RC
1	R10	137k	.25W 1% MF	Xicon	271-137K-RC
1	R7	150k	.25W 1% MF	Xicon	271-150K-RC
2	R16	220k	.25W 1% MF	Xicon	271-220K-RC
	R24				
1	R36	10R	.5W 5% CF	Xicon	293-10-RC

RF Stepped Fader Resistors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	RF1	15R	.25W 1% MF	Xicon	271-15-RC
1	RF2	23.2R	.25W 1% MF	Xicon	271-23.2-RC
1	RF3	36.5R	.25W 1% MF	Xicon	271-36.5-RC
1	RF4	59R	.25W 1% MF	Xicon	271-59-RC
1	RF5	93.1R	.25W 1% MF	Xicon	271-93.1-RC
1	RF6	64.9R	.25W 1% MF	Xicon	271-64.9-RC
1	RF7	82.5R	.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	24.9R	.25W 1% MF	Xicon	271-24.9-RC

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



CAPI VP28 Main PCB BOM

Capacitors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	C19	100pF, 100V	Film	WIMA	FKP2-100/100/2.5
1	C15	150pF, 100V	Film	WIMA	FKP2-150/100/2.5
1	C6	27pF, 50V	C0G Ceramic	Murata	RPE5C1H270J2P1Z03B
1	C17	68pF, 50V	C0G Ceramic	BC	K680J15C0GF5TL2
1	C4	82pF, 50V	C0G Ceramic	Murata	RPE5C1H820J2P1Z03B
1	C3	220pF, 50V	C0G Ceramic	Murata	RPE5C1H221J2P1A03B
2	C10	1000pF, 50V	C0G Ceramic	Murata	RPE5C1H102J2P1A03B
	C11				
3	C2	.1μF, 50V	X7R Ceramic	BC	K104K15X7RF5TL2
	C13				
	C14				
1	C18	47μf, 25V	Radial, Electrolytic	Nichicon	UHE1E470MDD
2	C7	100μF, 50V	Radial, Electrolytic	Panasonic	EEU-FM1H101
	C8				
1	C9	120μF, 50V	Radial, Electrolytic	Nichicon	UHE1H121MPD
1	C1	330μF, 16V	Radial, Electrolytic	Nichicon	UHE1C331MPD
1	C12	1μF, 63V	Axial, Electrolytic	BC	MAL202138108E3
1	C5	33μF, 25V	Axial, Electrolytic	BC	MAL213836339E3
2	C16	470μF, 10V	Axial, Electrolytic	BC	MAL213834471E3
	C20				



Diodes					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	CR1	1N4004	Rectifier	Fairchild Semiconductor	1N4004
	CR2				
5	CR3	1N914	Rectifier	Fairchild Semiconductor	1N914
	CR4				
	CR5				
	CR6				
	CR7				
1	LED1	Red	Round, 2mm, T-3/4	Panasonic	LN282RPX
1	LED5	Green	Round, 2mm, T-3/4	Panasonic	LN382GPX
3	LED2	Yellow	Round, 2mm, T-3/4	Panasonic	LN482YPX
	LED3				
	LED4				

Operational Amplifiers					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	A1		Discrete	??	
1	A3		Discrete	??	
1	A2		Dual IC	Texas Instruments	RC4558IP

Transformers					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	T1	EA2622	Input	audioiron	EA 2622
2	T2	EA2623-1	Output	audioiron	EA 2623-1
	T3				



Switches					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	SW1	1Deck-1Pole	Rotary-Shorting	Grayhill	71ADF30-01-1-AJS
	SW7				
1	SW2	SPDT	On-On Toggle	C&K Components	T101MH9ABE
3	SW3	4PDT	Pushbutton	C&K Components	PHA4UEE
	SW4				
	SW6				
1	SW5	6PDT	Pushbutton	C&K Components	PHA6UEE
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				

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



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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
	A2				
1	L Bracket		Aluminum	CAPI	VP28 L-Bkt
1	Face-Plate		Aluminum	CAPI	VP28 Faceplate
1	Hdw Kit		Misc	CAPI	VP28 Hdw
1	A2	Gold/Nickel	DIP socket	Mill-Max	110-43-308-41-001000
1	LED5	2-Pin Hdr		3M	929834-07-36-RK
2	LED5	Shrink	3:1		
1	****	PCB			VP28 Rev A.2 PCB

