

CAPI VP312-VPR Rev B & VP312-51x Rev B BOM

Resistors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	R9	160R	.25W 1% MF	Xicon	271-160-RC
2	R5	200R	.25W 1% MF	Xicon	271-200-RC
	R11	200R			
2	R8	750R	.25W 1% MF	Xicon	271-750-RC
	R10	750R			
2	R6	6k8	.4W 0.1% MF	Vishay	MBB 0207-25 0.1% C1 6k8
	R7	6k8			
2	R1	10k	.25W 1% MF	Xicon	271-10K-RC
	R2	10k			
1	R4	20k	.25W 1% MF	Xicon	271-20K-RC
1**	R3**	150k	.25W 1% MF	Xicon	271-150K-RC
1	R12	1R	.25W 5% CF	Xicon	291-1.0-RC
1	R13	10R	.5W 5% CF	Xicon	293-10-RC

RG ~ Stepped Preamp Gain Resistors (optional)					
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#
4~	CR1	400V	Rectifier	Fairchild Semiconductor	1N4004
	CR2				
	CR3~				
	CR4~				
1	LED1	Red	Round, 3mm, T-1	Lumex	SSL-LX3044ID

Capacitors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	C2	120pF, 50V	COG Ceramic	Murata	RPE5C1H121J2P1A03B
1	C1	220pF, 50V	COG Ceramic	BC	K221J15C0GF5TL2
2	C5	1000pF, 50V	COG Ceramic	BC	K102J15C0GF5TL2
	C6	1000pF, 50V			
2~~	C3~~	47μF, 25V	Radial, Electrolytic	Nichicon	UHE1E470MDD
	C4~~	47μF, 25V			
2~	C3~	100μF, 50V	Radial, Electrolytic	Panasonic	EEU-FM1H101
	C4~	100μF, 50V			
1	C7	120μF, 50V	Radial, Electrolytic	Nichicon	UHE1H121MPD
1	C8	330μF, 16V	Radial, Electrolytic	Nichicon	UHE1C331MPD

Operational Amplifiers					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	A1		Discrete	??	

Transformers					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	T1		Input	audioiron	EA2622
1	T2		Output	audioiron	EA2503



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Potentiometers & Knobs					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	RV1A-B-C	Custom	600 ohm T-pad, CP	Bourns	Bourns-51-t-pad
1*	RV2*	25k	CCW Log, CP	Bourns	51CAN-D20-G17L
1	RV1A-B-C	.25" Shaft	Control Knob	CAPI	5-62-1B
1	RV2	.125" Shaft	Control Knob	CAPI	5-50-1A

Switches					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	SW1	SPDT	Toggle-Flat Lever	C&K Components	7101P3YZQE
3	SW2	2PDT	Pushbutton	C&K Components	F2UEETB
	SW3	2PDT			
	SW4	2PDT			
1~	SW6~	DPDT	Slide	C&K Components	1201-M2-S3-CQE2
2	SW2	Black	Pushbutton Cap	C&K Components	F0101
	SW4	Black			
1	SW3	White	Pushbutton Cap	C&K Components	F0102

Miscellaneous					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
6	Opamp		PC Sockets	Mill-Max	0322-0-15-15-34-27-10-0
1	L Bracket		Aluminum	CAPI	VPx L-Bkt
1	Faceplate		Aluminum	CAPI	VP312 Kit-F-P
1	Hardware		Mixed	Mixed	VP25-312 Hardware Kit

* = Optional for variable preamp gain

** = Optional loading resistor, not typically found on a vintage 312 card

~ = Not used on a VPR build, only used on a 51x build

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