

# CAPI VC528 Rev B.3 Main PCB BOM

## Resistors

Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
***	R4	Does Not Exist On This Build			
***	R5	Does Not Exist On This Build			

1	R17	160R	.25W 1% MF	Xicon	271-160-RC
1	R8	200R	.25W 1% MF	Xicon	271-200-RC
1	R21	390R	.25W 1% MF	Xicon	271-390-RC
2	R3	1k	.25W 1% MF	Xicon	271-1.0K-RC
	R23	1k			
3	R1	3k	.25W 1% MF	Xicon	271-3.0K-RC
	R27	3k			
	R28	3k			
1	R19	5k1	.25W 1% MF	Xicon	271-5.1K-RC
1	R26	6k2	.25W 1% MF	Xicon	271-6.2K-RC
4	R11	10k	.4W 0.1% MF	Vishay	MBB 0207-25 0.1% C1 10K
	R12	10k			
	R13	10k			
	R14	10k			
1	R6	10k5	.25W 1% MF	Xicon	271-10.5K-RC
1	R15	12k	.25W 1% MF	Xicon	271-12K-RC
1	R20	13k	.25W 1% MF	Xicon	271-13K-RC
4	R9	20k	.25W 1% MF	Xicon	271-20K-RC
	R10	20k			
	R16	20k			
	R18	20k			
1	R25	130k	.25W 1% MF	Xicon	271-130K-RC
1	R7	150k	.25W 1% MF	Xicon	271-150K-RC
1	R22	220k	.25W 1% MF	Xicon	271-220K-RC

6	PR1	10R	.25W 5% CF	Xicon	291-10-RC
	PR2	10R			
	PR3	10R			
	PR4	10R			
	PR5	10R			
	PR6	10R			
2	R2	2.2M	.25W 5% MF	Xicon	291-2.2M-RC
	R24	2.2M			
1	R29	10R	.5W 5% MF	Xicon	273-10-RC

1	RV1	1K-25 Turn		Bourns	3296Y-1-102LF
1	RV2	10K-25 Turn		Bourns	3296Y-1-103LF



**Diodes**

Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
8	CR1	1N914	Rectifier	Fairchild Semiconductor	1N914
	CR2	1N914			
	CR3	1N914			
	CR4	1N914			
	CR5	1N914			
	CR8	1N914			
	CR11	1N914			
	CR12	1N914			
2	CR6	1N4004	Rectifier	Fairchild Semiconductor	1N4004
	CR7	1N4004			
1	CR9	1N5243B	13V Zener	Fairchild Semiconductor	1N5243B
1	CR10	BZX79C4V3	4V3 Zener	Fairchild Semiconductor	BZX79C4V3
1	LED1	Green	2mm Lighthouse	Kingbright	WP13GD
1	LED2	Red	2mm Lighthouse	Kingbright	WP13HD

**Capacitors**

Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	C9	27pF, 50V	COG Ceramic	BC	K270J15C0GF5TL2
1	C18	68pF, 50V	COG Ceramic	BC	K680J15C0GF5TL2
1	C6	82pF, 50V	COG Ceramic	BC	K820J15C0GF5TL2
1	C5	100pF, 100V	Film	WIMA	FKP2-100/100/2.5
4	C10	150pF, 100V	Film	WIMA	FKP2-150/100/2.5
	C12	150pF, 100V			
	C13	150pF, 100V			
	C21	150pF, 100V			
3	C2	.1µF, 50V	X7R Ceramic	BC	K104K15X7RF5TL2
	C3	.1µF, 50V			
	C16	.1µF, 50V			
1	C19	18µF, 35V	Radial, Electrolytic	United Chemi-Con	EKZE350ELL180ME07D
1	C8	47µF, 25V	Radial, Electrolytic	Nichicon	UHE1E470MDD
2	C14	100µF, 50V	Radial, Electrolytic	Panasonic	EEU-FM1H101
	C15	100µF, 50V			
1	C4	330µF, 16V	Radial, Electrolytic	Panasonic	EEU-FM1C331
1	C20	1µF, 63V	Axial, Electrolytic	BC	MAL202138108E3
2	C1	10µF, 25V	Axial, Electrolytic	BC	MAL213836109E3
	C17	10µF, 25V			
1	C11	33µF, 63V	Axial, Electrolytic	BC	MAL202138339E3
2	C7	470µF, 10V	Axial, Electrolytic	BC	MAL213834471E3
	C22	470µF, 10V			

**Transistors**

Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	Q1	2N3904	NPN-BJT	Fairchild	2N3904TA



**Operational Amplifiers**

Part #	Qty	Position	Value	Type	Manufacturer	Man. Part#
2		A1		Discrete Follower	CAPI	DF1-Kit
		A2				
2		A3		Discrete	??	
		A4				

**Transformers**

Part #	Qty	Position	Value	Type	Manufacturer	Man. Part#
2		T1		Output	audioiron	EA 2623-1
		T2				

**Knobs**

Part #	Qty	Position	Value	Type	Manufacturer	Man. Part#
1		Fader	.25" Shaft	Control Knob	Vemaline	5-75-1B
1		Fader	Blue	Colored Insert	CAPI	x-75 Blue

**Switches & Relays**

Part #	Qty	Position	Value	Type	Manufacturer	Man. Part#
1		SW1	SPDT	On-On Toggle	C&K Components	T101MH9ABE
1		Fader	1x24 1k Log	Rotary-PC mount	Elma	CAS000962
2		K1	TQ2-12V		Panasonic	TQ2-12V
		K2				

**Miscellaneous**

Part #	Qty	Position	Value	Type	Manufacturer	Man. Part#
1		****		528ST2 Rev B.3	CAPI	
1		A3		6pc PC Sockets	Mill-Max	0322-0-15-15-34-27-10-0
1		A4		6pc PC Sockets	Mill-Max	0322-0-15-15-34-27-10-0
1		L-Bracket		Aluminum	CAPI	VC528 L-Bkt
1		Faceplate		Aluminum	CAPI	VC528 Faceplate
1		J2		.1" Header	3M	929647-01-03-I
1		J2		.1" Shunt (Gray)	3M	929953-30

