

# CAPI FC526 XFMR Rev A PCB BOM

Resistors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
8	PR1	10R	.25W 5% CF	Xicon	291-10-RC
	PR2	10R			
	PR3	10R			
	PR4	10R			
	PR5	10R			
	PR6	10R			
	PR7	10R			
	PR8	10R			
1	R68	24R	.25W 1% MF	Xicon	271-24-RC
2	R18	30R	.25W 1% MF	Xicon	271-30-RC
	R19	30R			
1	R3	68R	.25W 1% MF	Xicon	271-68-RC
1	R11	82R	.25W 1% MF	Xicon	271-82-RC
2	R64	165R	.25W 1% MF	Xicon	271-165-RC
	R72	165R			
4	R25	180R	.25W 1% MF	Xicon	271-180-RC
	R26	180R			
	R33	180R			
	R39	180R			
1	R27	200R	.25W 1% MF	Xicon	271-200-RC
2	R12	470R	.25W 1% MF	Xicon	271-470-RC
	R21	470R			
1	R13	560R	.25W 1% MF	Xicon	271-560-RC
1	R48	750R	.25W 1% MF	Xicon	271-750-RC
3	R32	1k	.25W 1% MF	Xicon	271-1k-RC
	R42	1k			
	R54	1k			
2	R14	1k5	.25W 1% MF	Xicon	271-1.5k-RC
	R36	1k5			
3	R15	2k2	.25W 1% MF	Xicon	271-2.2k-RC
	R71	2k2			
	R73	2k2			
1	R69	2k87	.25W 1% MF	Xicon	271-2.87k-RC
2	R17	3k9	.25W 1% MF	Xicon	271-3.9k-RC
	R49	3k9			
2	R61	5k1	.25W 1% MF	Xicon	271-5.1k-RC
	R66	5k1			
1	R31	6k2	.25W 1% MF	Xicon	271-6.2k-RC
3	R55	6k8	.25W 1% MF	Xicon	271-6.8k-RC
	R56	6k8			
	R57	6k8			
1	R24	7k15	.25W 1% MF	Xicon	271-7.15k-RC
5	R4	10k	.25W 1% MF	Xicon	271-10k-RC
	R16	10k			
	R29	10k			
	R40	10k			
	R51	10k			



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Resistors (continued)					
1	R53	15k	.25W 1% MF	Xicon	271-15k-RC
3	R6	20k	.25W 1% MF	Xicon	271-20k-RC
	R65	20k			
	R70	20k			
1	R62	25k5	.25W 1% MF	Xicon	271-25.5k-RC
2	R7	27k	.25W 1% MF	Xicon	271-27k-RC
	R38	27k			
1	R37	39k	.25W 1% MF	Xicon	271-39k-RC
2	R22	47k	.25W 1% MF	Xicon	271-47k-RC
	R23	47k			
2	R1	56k	.25W 1% MF	Xicon	271-56k-RC
	R9	56k			
1	R63	59k	.25W 1% MF	Xicon	271-59k-RC
1	R8	62k	.25W 1% MF	Xicon	271-62k-RC
1	R10	75k	.25W 1% MF	Xicon	271-75k-RC
2	R50	100k	.25W 1% MF	Xicon	271-100k-RC
	R60	100k			
2	R30	130k	.25W 1% MF	Xicon	271-130k-RC
	R43	130k			
2	R58	220k	.25W 1% MF	Xicon	271-220k-RC
	R59	220k			
1	R2	270k	.25W 1% MF	Xicon	271-270k-RC
2	R28	470k	.25W 1% MF	Xicon	271-470k-RC
	R52	470k			
2	R46	300k	.25W 5% CF	Xicon	291-300k-RC
	R47	300k			
2	R44	1M	.25W 5% CF	Xicon	291-1M-RC
	R45	1M			
3	R34	2M2	.25W 5% CF	Xicon	291-2.2M-RC
	R35	2M2			
	R41	2M2			
1	R20	3M9	.25W 5% CF	Xicon	291-3.9M-RC
1	R5	10M	.25W 5% CF	Xicon	291-10M-RC
2	R67	10R	.5W 5% CF	Xicon	293-10-RC
	R74	10R			

Switches & Relays					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	SW1	2x6 2-Deck	Rotary	Grayhill	71AF30-02-2-6S-F
2	K1	TQ2-12V	DPDT Relay	Panasonic	TQ2-12V
	K2	TQ2-12V			

Operational Amplifiers					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	A1	Quad IC	JFET Input	Texas Instruments	TL084IN
1	A2	DTO5-V	Discrete	CAPI	
1	A3	2520 style	Discrete	??	



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Capacitors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	C11	150pF, 100V	Film	WIMA	FKP2-150/100/2.5
1	C18	0.0068μF, 50V	Film	Nichicon	QYX1H682JTP
1	C5	0.022μF, 100V	Metallized Polyester	Kemet	R82EC2220AA50J
2	C6	0.22μF, 63V	Metallized Polyester	Kemet	R82DC3220AA60J
	C7	0.22μF, 63V			
1	C10	27pF, 50V	COG Ceramic	BC	K270J15C0GF5TL2
1	C37	68pF, 50V	COG Ceramic	BC	K680J15C0GF5TL2
2	C22	120pF, 50V	COG Ceramic	BC	K121J15C0GF5TL2
	C25	120pF, 50V			
2	C13	200pF, 100V	COG Ceramic	Multicomp	MC0805N201J101A2.54MM
	C14	200pF, 100V			
1	C17	220pF, 50V	COG Ceramic	BC	K221J15C0GF5TL2
3	C28	1000pF, 50V	COG Ceramic	BC	K102J15C0GF5TL2
	C38	1000pF, 50V			
	C39	1000pF, 50V			
7	C4	.1μF, 50V	X7R Ceramic	BC	K104K15X7RF5TL2
	C19	.1μF, 50V			
	C20	.1μF, 50V			
	C23	.1μF, 50V			
	C26	.1μF, 50V			
	C27	.1μF, 50V			
	C33	.1μF, 50V			
2	C2	6.8μf, 25V	Tantalum	AVX Corp	TAP685K025SCS
	C3	6.8μf, 25V			
1	C21	1μf, 50V	Radial, Electrolytic	Nichicon	UPJ1H010MDD1TD
1	C34	18μF, 35V	Radial, Electrolytic	United Chemi-Con	EKZE350ELL180ME07D
2	C29	33μf, 35V	Radial, Electrolytic	Nichicon	UHE1V330MDD
	C30	33μf, 35V			
2	C12	47μf, 25V	Radial, Electrolytic	Nichicon	UHE1E470MDD
	C36	47μf, 25V			
4	C1	100μF, 50V	Radial, Electrolytic	Panasonic	EEU-FM1H101
	C24	100μF, 50V			
	C31	100μF, 50V			
	C32	100μF, 50V			
2	C9	1μF, 63V	Axial, Electrolytic	BC	MAL202138108E3
	C16	1μF, 63V			
2	C8	15μF, 63V	Axial, Electrolytic	BC	MAL202138159E3
	C15	15μF, 63V			
1	C35	470μF, 6V3	Axial, Electrolytic	BC	MAL202133471E3

Transformers & Inductors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	FB1	Ferrite Bead	6A	Murata	BL01RN1A1E1A
	FB2	Ferrite Bead			
1	T1		Input	CAPI	CA2622
1	T2		Output	audioiron	EA2623-1



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Transistors					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	Q1	BC560C	PNP-BJT	Fairchild	BC560C
1	Q2	BC550C	NPN-BJT	Fairchild	BC550C
1	Q3	2N3904	NPN-BJT	Fairchild	2N3904TA
2	F1	J109	JFET	Fairchild	J109_D26Z
	F2	J109			
1	F3	Selected	JFET	CAPI	MTR
1	F4	Selected	JFET	CAPI	VVR

Diodes					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
2	D1	FDH333	Low Leakage Diode	Fairchild Semiconductor	FDH333TR
	D2	FDH333			
7	D3	1N914	Rectifier	Fairchild Semiconductor	1N914
	D4	1N914			
	D5	1N914			
	D6	1N914			
	D7	1N914			
	D10	1N914			
	D11	1N914			
2	D8	1N4004	Rectifier	Fairchild Semiconductor	1N4004
	D9	1N4004			
1	CR1	10V prec Z	.5% Shunt Ref	Texas Instruments	LM4040CIZ-10.0/NOPB
1	CR2	1N5243B	13V Zener	Fairchild Semiconductor	1N5243B
1	CR3	BZX79C4V3	4V3 Zener	Fairchild Semiconductor	BZX79C4V3

Pots, Trimmers, Knobs & Inserts					
Part # Qty	Position	Value	Type	Manufacturer	Man. Part#
1	RV1	2k-25 Turn		Bourns	3296Z-1-202LF
1	RV2	2k-25 Turn		Bourns	3296Y-1-202LF
<b>NOT USED</b>	<b>RV7</b>	<b>Jumper it</b>	<b>NOT USED</b>		
1	RV8	100k-25 Turn		Bourns	3296Y-1-104LF
1	RV3	5M linear		Bourns	51CAD-D20-B27L
1	RV4	25k linear		Bourns	51CAD-D20-B17L
2	RV5	10k log		Bourns	51CAD-D20-D15L
	RV6	10k log			
2	RV3	.125" Shaft	Control Knob	CAPI	5-37-1A
	RV4	.125" Shaft			
2	RV5	.125" Shaft	Control Knob	CAPI	5-50-1A
	RV6	.125" Shaft			
1	SW1	.125" Shaft	Control Knob	CAPI	5-62-1A
2	RV3	Black	Colored Insert	CAPI	JNW-x-37-black
	RV4				
2	RV5	Blue	Colored Insert	CAPI	JNW-x-50-blue
	RV6				
1	SW1	Red	Colored Insert	CAPI	JNW-x-62-red



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<b>Miscellaneous</b>					
<b>Part # Qty</b>	<b>Position</b>	<b>Value</b>	<b>Type</b>	<b>Manufacturer</b>	<b>Man. Part#</b>
1	A3	6pc set	PC Sockets	Mill-Max	0322-0-15-15-34-27-10-0
1	L-Bracket		Aluminum	CAPI	FC526 L-Bracket
1	Faceplate		Aluminum	CAPI	FC526 XFMR Faceplate
1	****		PCB	CAPI	CAPI FC526 XFMR Rev A
1	JP1	8-pin	Pico Header	Molex	90325-0008
1	PCB to PCB	8-pin	75mm Pico Cable	Molex	92315-0807

