

Label	Item	Package	Manufacturer	Manufacturer part	Supplier	Supplier part	Quantity	Note
C1	100nF 100V X7R	1206	AVX	12061C104KAZ2A	Mouser	581-12061C104KAZ2A	1	Dual XO
C2	2.2uF 100V X7R	1206	Taiyo Yuden	HMK325B7225KN-T	Mouser	963-HMK325B7225KN-T	1	Dual XO
C3 C4	220nF 100V X7R	1206	TDK	AA	Mouser	810-C3216X7R2A224K	2	Dual XO
C5	330nF 100V X7R	1206	AVX	12061C334KAZ2A	Mouser	581-12061C334KAZ2A	1	Dual XO
C6 C7	1uF 100V X7R	1210	AVX	12101C105KAT2A	Mouser	581-12101C105KAT2A	2	Dividers & Delay
C8 C9 C10	3300 uF 25V	16d x 25h	Nichicon	UFW1E332MHD	Mouser	647-UFW1E332MHD	3	DC on board
C11 C12	220 uF 16V	8d x 10h	Nichicon	PCJ1C221MCL4GS	Mouser	647-PCJ1C221MCL4GS	2	Regulators on board
C13 C15	470 uF 16V	10d x 10h	Nichicon	PCG1C471MCL1GS	Mouser	647-PCG1C471MCL1GS	2	Regulators on board
C14 C16	10 nF 50V MLCC	1206	AVX	12065C104JAT2A	Mouser	581-12065C104J	2	Regulators on board
C17 C18	22 uF 25V Tant	1210	Panasonic	20TQC22MYFB	Mouser	667-20TQC22MYFB	2	Regulators on board
R1 R29 R30	0R0 jumper	2010	IRC	LRZ2010LF-R000-T	Mouser	66-LRZ2010LF-R000-T	3	Single XO (R1) - No power off oscillator (R29 R30)
R2	10R 1/4W	1206	Vishay/Dale	CRCW120610R0FKEA	Mouser	71-CRCW1206-10-E3	1	Dual XO
R3 R4	4K7 1/4W	1206	Vishay/Dale	CRCW12064K70FKEA	Mouser	71-CRCW1206-4.7K-E3	2	Dual XO
R5 R6 R7 R8								
R9 R10 R11								
R12 R13 R14								
R15 R16	33R 1/10W	0805	Susumu	RR1220Q-330-D	Mouser	754-RR1220Q-330D	9	Depending on used dividers
R17 R18 R19								
R20 R21 R22								
R23 R24 R25								
R26 R27 R28	33R 1/10W	0805	Susumu	RR1220Q-330-D	Mouser	754-RR1220Q-330D	9	Depending on used master clock / delayed master clock
R31 R38	121R 1/10W	0805	Susumu	RR1220P-1210-D-M	Mouser	754-RR1220P-1210D-M	2	Regulators on board
R32	1K62 1//10W	0805	Susumu	RR1220P-1621-D-M	Mouser	754-RR1220P-1621D-M	1	Regulators on board
R33	392R 1/10W	0805	Susumu	RR1220P-391-D	Mouser	754-RR1220P-391D	1	Regulators on board
R34 R37 R40								
R41 R44	1K 1/10W	0805	Susumu	RR1220P-102-D	Mouser	754-RR1220P-102D	5	Regulators on board
R35 R43	2K43 1/10W	0805	Susumu	RR1220P-2431-D-M	Mouser	754-RR1220P-2431D-M	2	Regulators on board
R36	475R 1/10W	0805	Susumu	RR1220P-471-D	Mouser	754-RR1220P-471-D	1	Regulators on board
R39 R42	750R 1/10W	0805	Susumu	RR1220P-751-D	Mouser	754-RR1220P-751D	2	Regulators on board
R45	10R 1W	3d x 11h	Vishay/Dale	RS01A10R00FE12	Mouser	71-RS01A10R00FE12	1	DC on board
R46	10R 1/2W	2.5d x 6,5h	Yageo	MFR50SFTE52-10R	Mouser	603-MFR50SFTE52-10R	1	Dual XO
R47	180R 2W	3.9d x 12h	Vishay/BC	PR02000201800JR500	Mouser	594-5083NW180R0J	1	External Regs - Voltage drop
L1 L2	22uH	1210	Taiyo Yuden	CBC3225T220MR	Mouser	963-CBC3225T220MR	2	
L3	Common mode choke	1812	EPCOS	B82799S513N1	Mouser	871-B82799S513N1	1	
D1 D2	EGF1B	SMA	Fairchild	EGF1B	Mouser	512-EGF1B	2	Dual XO
D3 D4 D5 D6	MUR120	DO-41	On Semiconductor	MUR120G	Mouser	863-MUR120G	4	DC on board
D7 D8 D9 D10	1N5817	SOD-123FL	MCC	SM5817PL-TP	Mouser	833-SM5817PL-TP	4	Regulators on board
Q1 Q2	FDN358P	SSOT-3	Fairchild	FDN358P	Mouser	512-FDN358P	2	Dual XO
Q3 Q5	2N4403	SOT-23	Fairchild	MMBT4403	Mouser	512-MMBT4403	2	Regulators on board
Q4 Q6	2N3904	SOT-23	Fairchild	MMBT3904	Mouser	512-MMBT3904	2	Regulators on board
U1	FAN3240	SOIC-8	Fairchild	FAN3240TMX	Mouser	512-FAN3240TMX	1	Dual XO
U2	L7812	D-PAK	On Semiconductor	MC7812BDTRKG	Mouser	863-MC7812BDTRKG	1	Dual XO
U3 U4	74LVC74	SOIC-14	TI	SN74LVC74ADR	Mouser	595-SN74LVC74ADR	2	Dividers
	74G74	SOIC-14	Potato Semi	PO74G74A	Potato	PO74G74A	2	Dividers (alternative)
U5	74LVC04	SOIC-14	NXP Semiconductor	74LVCU04AD,118	Mouser	771-LVCU04AD118	1	Delay
	74GU04	SOIC-14	Potato Semi	PO74GU04A	Potato	PO74GU04A	1	Delay (alternative)
U6	74HCT04	SOT-23-5	TI	SN74AHCT1G04DBVR	Mouser	595-SN74AHCT1G04DBVR	1	Dual XO (Low/High Select)
U7 U8	TL431	SOT-23-3	TI	TL431BQDBZRQ1	Mouser	595-TL431BQDBZRQ1	2	Regulators on board
U9 U10	LD1085	D-PAK	STM	LD1085CDT-R	Mouser	511-LD1085CDT-TR	2	Regulators on board
K1	DPST RF 2 coil latch 12V	-	Panasonic	ARS1612	Mouser	769-ARS1612	1	Dual XO
K2	DPST 2 coil latch 12V	-	Panasonic	DS1E-ML2-DC12V	Mouser	769-DS1E-ML2-DC12V	1	Power off oscillator
J1 J2	XO pads	-	-	-	-	-	2	XO board

J3 J4 J5 J6	2 pin header	2.54 mm	AMP	826646-2	Mouser	571-826646-2	4	XO power supply
J7 J10	2 pin header	2.54 mm	AMP	826646-2	Mouser	571-826646-2	2	Depending on used output
J8	3 pin header	2.54 mm	AMP	826646-3	Mouser	571-826646-3	1	Dual XO (Pulse Select)
J9	2 pin header	2.54 mm	AMP	826646-2	Mouser	571-826646-2	1	Dual XO (Low/High Select)
J11 J12 J13 J14	u.fl. Connector	-	Hirose	U.FL-R-SMT(10)	Mouser	798-U.FL-R-SMT10	4	Depending on used output
J15	Header 2 screw	-	Molex	39880-0302	Mouser	538-39880-0302	1	DC on board
J18	Header 2 screw	-	Molex	39880-0302	Mouser	538-39880-0302	1	External DC
J16 J17	Regs pads	2.54 mm	-	-	-	-	2	External Regs
J19 J20 J21 J22	SMA connector	-	Molex	73391-0070	Mouser	538-73391-0070	4	Depending on used output (alternative to J11 J12 J13 J14)
TR	Transformer 17Vac 6VA	-	Hammond	229A34	Mouser	546-229A34	1	