

Label	Item	Package	Manufacturer	Manufacturer part	Supplier	Supplier part	Quantity	Note
C1 C2								(2) C1 = C2 = 1000 / f0
C3 C5	10pF	0805	AVX	08055C100KAT2A	Mouser	581-08055C100KAT2A	2	
C4 C6 C7	1uF 100V X7R	1210	AVX	12101C105KAT2A	Mouser	581-12101C105KAT2A	3	
C8								(3) 50/100pF for measurement only, 0R0 for final application
R1 R3 R4	220K 1/10W	0805	Susumu	RR1220P-224-D	Mouser	754-RR1220P-224D	3	
R2								(1) Adjust for 18-20 mA without crystal
R5	180K 1/10W	0805	Susumu	RR1220P-184-D	Mouser	754-RR1220P-184D	1	
R6 R7								(4) Quantity dependent on used outputs
L1 L2 L3	22uH	1210	Taiyo Yuden	CBC3225T220MR	Mouser	963-CBC3225T220MR	3	
X1								(5) Select for desired clock frequency
D1	BAT81	DO-35	Vishay Semiconductor	BAT81S-TR	Mouser	78-BAT81S	1	
Q1	J310	SOT-23	On Semiconductor	MMBFJ310LT1G	Mouser	863-MMBFJ310LT1G	1	
U1								(6) Select for desired output voltage
J1 J2								(7) Quantity dependent on used outputs
J5								(8) Alternative to J1 output
(1)								
Starting value	56R 1/10W	0805	Susumu	RR1220Q-560-D	Mouser	754-RR1220Q-560D	1	
(2)								
11.2896 MHz	100pF X7R	0805	AVX	08051C101JAT2A	Mouser	581-08051C101JAT2A	2	
12.288 MHz	100pF X7R	0805	AVX	08051C101JAT2A	Mouser	581-08051C101JAT2A	2	
22.5792 MHz	50pF X7R	0805	Syfer	0805J2500472KXT	Mouser	843-0805J2500472KX	2	
24.576 MHz	50pF X7R	0805	Syfer	0805J2500472KXT	Mouser	843-0805J2500472KX	2	
5.6448 MHz	200pF C0G/NP0	0805	AVX	08051A201JAT2A	Mouser	581-08051A201JAT2A	2	
(3)								
Measurement	50pF	0603	AVX	06035A500JAT2A	Mouser	581-06035A500JAT2A	1	
Final app.	0R0	0603	Vishay/Beishlag	MCT06030Z0000ZP500	Mouser	594-MCT06030Z0000ZP5	1	
(4)								
1 output	33R 1/10W	0805	Susumu	RR1220Q-330-D	Mouser	754-RR1220Q-330D	1	
2 output	33R 1/10W	0805	Susumu	RR1220Q-330-D	Mouser	754-RR1220Q-330D	2	
(5)								
11.2896 MHz	AT cut Crystal 11.2896 MHz	HC-43/U	Laptech	XT4117 LP4412	Custom	Custom	1	
12.288 MHz	AT cut Crystal 12.288 MHz	HC-43/U	Laptech		Custom	Custom	1	
22.5792 MHz	AT cut Crystal 22.5792 MHz	HC-43/U	Laptech		Custom	Custom	1	
24.576 MHz	AT cut Crystal 24.576 MHz	HC-43/U	Laptech		Custom	Custom	1	
5.6448 MHz	AT cut Crystal 5.6448 MHz	HC-43/U	Laptech		Custom	Custom	1	
(6)								
5V	74HC04	SOIC-14	Texas Instruments	SN74HCU04D	Mouser	595-SN74HCU04D	1	
3V3	74LVC04	SOIC-14	NXP Semiconductor	74LVCU04AD,118	Mouser	771-LVCU04AD118	1	
3V3	74GU04	SOIC-14	Potato Semi	PO74GU04A	Potato	PO74GU04A	1	
(7)								
1 u.fl. Output	u.fl. Connector		Hirose	U.FL-R-SMT(10)	Mouser	798-U.FL-R-SMT10	1	
2 u.fl. Output	u.fl. Connector		Hirose	U.FL-R-SMT(10)	Mouser	798-U.FL-R-SMT10	2	
(8)								
Horizontal	2 pin header right angle		AMP	826631-2	Mouser	571-826631-2	1	
Vertical	2 pin header		AMP	826646-2	Mouser	571-826646-2	1	