

QA for 10MHz GPSDO V4.2 (1 of 4)_20240313

1. Can you please provide us with the exact part numbers or purchase links for the components below?

*Designator	*Qty	Manufacturer	*Mfg Part #	Description / Value	*Package/Footprint
D8	1			7V5	D_1206_3216Metric_Pad1.42x1.75 I used this pad to accommodate various SOD123 and SOD 323 or radial type components. Example BZV55-C7V5, Digikey 1727-4976-1-ND
FB2, FB3	2			2A	L_0805_2012Metric_Pad1.05x1.20 Example Digikey pn BLM21PG221SN1D
FB6, FB7	2			1K	L_0603_1608Metric_Pad1.05x0.95 example Digikey pn HZ0805D102R-10
L1	1			10-100uH	L_Axial_L5.3mm_D2.2mm_P2.54mm 1 example Digikey pn AIAP-01-470K-T
U10	1			CTI_OC5SC25	CTI_OC5SC25 This was purchased used/second hand from Aliexpress
U11	1			Bliley_NV47M1008	Bliley_NV47M1008 This was purchased used/second hand from Aliexpress

2. For 1N4148, we cannot find the one with the 0805 package, can you send us its purchase link?

*Designator	*Qty	Manufacturer	*Mfg Part #	Description / Value	*Package/Footprint
D3, D4, D5, D6	4			1N4148	D_0805_2012Metric_Pad1.15x1.40mm I used an 0805 pad so it could accommodate various SOD323 and SOD123, like Digikey pn: 1N4148W-TP

3. Can you please provide us with the exact part numbers or purchase links for the ICs below?

*Designator	*Qty	Manufacturer	*Mfg Part #	Description / Value	*Package/Footprint	Type
U14, U4	2			LM45	SOT-23	smt

					Example, Digikey LM45BIM3X/NOPB SENSOR ANALOG -20C- 100C SOT23-3	
U15	1			DAC8531	VSSOP- 8_3.0x3.0mm_P0.65m Example, Digikey DAC8531E/250 IC DAC 16BIT V-OUT 8VSSOP Texas Instruments	smt
U16	1			REF5040 AD	SOIC- 8_3.9x4.9mm_P1.27m Example Digikey: REF5040AIDR IC VREF SERIES 0.1% 8SOIC Texas Instruments	smt
U5	1			OPA1641	SOIC- 8_3.9x4.9mm_P1.27m Example Digikey: OPA1641AIDR IC AUDIO 1 CIRCUIT 8SOIC Texas Instruments	smt
U7	1			LM317	TO-252-2-large_tab Example Digikey: LM317MKVURG3 IC REG LIN POS ADJ 500MA TO252-3 Texas Instruments	smt

4. For the components below, do we just need to provide pin header/female headers?

5. Correct!

*Designator	*Qty	Manufacturer	*Mfg Part #	Description / Value	*Package/Footprint
J11	1			LM317	PinHeader_1x03_P2.54mm_Vertical

J2	1			RF conn	PinHeader_1x03_P2.54mm_Vertical
J4	1			5V Counter	PinHeader_1x02_P2.54mm_Vertical
J5	1			LM35DT	PinHeader_1x03_P2.54mm_Vertical
J6	1			NEO 6M/8M/8T	PinSocket_1x05_P2.54mm_Vertical
J7	1			NEO Serial	PinHeader_1x03_P2.54mm_Vertical
J8	1			NANO Serial	PinHeader_1x03_P2.54mm_Vertical
J9	1			LED	PinHeader_1x02_P2.54mm_Vertical