Metis BOM Spreadsheet automatically allows for minimum order quantities A

Item	Qty	Reference	Part Name	Description	Vendor	Vendor_PN	Stock	Alt. Vendor	Alt.Vendor_PN	Min. Quantity	Price Per	Ext. Price	Notes
1	1	U12	25AA02E48T-I/OT	Flash Memory with MAC address	DigiKey	25AA02E48T-I/OTCT-ND				1	$0.6300	$0.63	
2	1	X1	25MHZXO	25MHz Clock	DigiKey	631-1074-1-ND				1	$6.4100	$6.41	
3	3	Q1-3	2N7002K	N-CHANNEL,ENHANCEMENT MODE	DigiKey	568-4984-1-ND				1	$0.4200	$1.26	
4	1	U9	74LCX541MTC	Octal Buffer	DigiKey	74LCX541MTCXCT-ND				1	$0.5100	$0.51	
5	2	D6 D9	BAT54A	Shottky Diode Pack	Digikey	641-1319-1-ND				1	$0.3600	$0.72	
6	4	D4-5 D7-8	BAT54C	Shottky Diode Pack	DigiKey	BAT54CCT-ND				1	$0.1300	$0.52	
7	11	C4 C7 C10 C14-15 C17 C61 C66 C74 C84-85	CAP+10UF-3216,10uF,10%	ELECTROLYTIC CAP.	Digikey	399-5152-1-ND				5	$0.7600	$11.40	
8	5	C3 C6 C9 C13 C65	CAP+1UF-3216,1uF	ELECTROLYTIC CAP.	Digikey	478-2363-1-ND				1	$0.4800	$2.40	
9	5	C1 C11 C62 C81-82	CAP+47UF-7343,47uF	SURFACE MOUNT TANT. CAPACITO	Digikey	495-1571-1-ND				5	$1.1760	$5.88	
10	53	C2 C5 C8 C12 C16 C22-32 C34-39 C41-56 C63-64 C71 C73 C7...	CAP0805-100NF,100nF,10%	SURFACE MOUNT CAPACITOR 0805	Digikey	478-3351-1-ND				1	$0.0330	$1.75	Use 10+ price
11	22	C57-60 C67-70 C72 C86 C89 C91-101	CAP0805-10NF,10nF,10%	SURFACE MOUNT CAPACITOR 0805	Digikey	490-1652-1-ND				10	$0.0920	$2.76	
12	4	C18-21	CAP10PF-0805,10pf,5%	SURFACE MOUNT CAPACITOR 0805	Digikey	709-1168-1-ND				10	$0.0440	$0.44	
13	1	J1	CON-41612-96	DIN41612 PCB CONNECTOR 96-PIN	Mouser	617-09-03-196-6921				1	$2.8500	$2.85	
14	1	JP7	DB9-RA_SKT	DB9 Right Angle Socket	Digikey	A35109-ND				1	$1.1000	$1.10	
15	3	L8-10	EMC_FILTER	EMI/RFI Suppressors & Ferrites	DigiKey	P9830CT-ND				10	$0.6850	$6.85	
16	1	U6	EP3C40Q240	FPGA	Digikey	544-2551-ND				1	$78.5000	$78.50	
17	1	U13	IDT71V424/L10	512k x 8 SRAM	Digikey	800-1482-1-ND				1	$8.1000	$8.10	
18	4	JP1-2 JP5-6	JP2	2 Pin Header	Digikey	WM6402-ND				1	$0.2900	$1.16	
19	1	J9	JP3	3 Pin Header	Digikey	WM6403-ND	Low stock	Mouser	538-22-28-4032	1	$0.1490	$0.15	
20	2	JP3-4	JP5	5 Pin Header	Digikey	WM6405-ND	No Stock	Mouser	538-22-28-4050	1	$0.5130	$1.03	
21	2	J5-6	JP10	10 Pin (2 x 5) Header	Mouser	538-10-89-7101				1	$1.1100	$2.22	
22	1	U8	KSZ9021RL_A	Gigabit Ethernet Transceiver	Digikey	576-3439-ND				1	$5.0800	$5.08	Samples available
23	1	U2	LD1117-1.2V	LD1117-1.2v	Digikey	497-4240-1-ND				1	$0.7900	$0.79	
24	1	U3	LD1117-2.5V	LD1117-2.5v	Digikey	497-7309-1-ND				1	$0.8100	$0.81	
25	2	U1 U4	LD1117-3.3V	LD1117-3.3v Voltage Regulator	Digikey	497-1242-1-ND				1	$0.8100	$1.62	
26	17	D1-3 D10-23	LED-1	LED	Digikey	404-1023-1-ND				1	$0.4500	$7.65	
27	1	U14	LT1529-3.3V	3.3v 3A LDO Voltage Regulator	Digikey	LT1529CQ-3.3#PBF-ND				1	$7.3800	$7.38	$3.95 at Arrow
28	1	U7	M25P16VMN6P	EEPROM	DigiKey	M25P16-VMN6P-ND				1	$1.7700	$1.77	
29	1	U11	MCP130T-300ITT	Supervisory Circuit	Digikey	MCP130T-300I/TTCT-ND				1	$0.5400	$0.54	
30	1	U15	MIC94052	P-CH MOSFET	Digikey	576-2938-1-ND				1	$1.2000	$1.20	
31	7	L1-7	MMZ2012R601A	SMD RFI Choke 600 ohm 500mA	Digikey	445-1554-1-ND				10	$0.0670	$0.67	
32	3	R23 R27 R46	RES0-0805,0,1%	ZERO OHM LINK 0805	Digikey	RMCF1/100RCT-ND				1	$0.0300	$0.09	
33	2	R37-38	RES100-0805,100,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM100CRCT-ND				10	$0.0380	$0.38	
34	6	R24-25 R41-42 R44-45	RES100K-0805,100k,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM100KCRCT-ND				10	$0.0380	$0.38	
35	21	R5 R10 R15 R18-22 R30-36 R39-40 R50-52, R59	RES10K-0805,10k,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM10.0KCRCT-ND				10	$0.0380	$1.14	
36	2	R2 R43	RES120-0805,120,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM120CRCT-ND				10	$0.0380	$0.38	
37	6	R3 R6 R11-13 R47	RES1K-0805,1k,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM1.00KCRCT-ND				10	$0.0380	$0.38	
38	3	R1 R4 R48	RES1K5-0805,1k5,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM1.50KCRCT-ND				10	$0.0380	$0.38	
39	2	R8-9	RES22-0805,22,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM22.0CRCT-ND				10	$0.0380	$0.38	
40	2	R16-17	RES220-0805,220,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM220CRCT-ND				10	$0.0380	$0.38	
41	2	R28-29	RES4K7-0805,4k7	SURFACE MOUNT RESISTOR 0805	Digikey	RHM4.70KCRCT-ND				10	$0.0380	$0.38	
42	1	R14	RES4K99-0805,4k99,1%	SURFACE MOUNT RESISTOR 0805	Digikey	RHM4.99KCRCT-ND				10	$0.0380	$0.38	
43	6	RP1-6	RES_NETW_10P_100K,100k	Resistor Network 10pin	Digikey	U7104CT-ND				1	$0.4600	$2.76	
44	1	R7	RES_NETW_10P_10K,10k	Resistor Network 10pin	Digikey	U7103CT-ND				1	$0.4600	$0.46	
45	2	R26 R49	RES_NETW_10P_2K2,2k2	Resistor Network 10pin	Digikey	U7222CT-ND				1	$0.4600	$0.92	
46	1	J7	RJ45+MAGNETICS	RJ45 with integral magnetics	DigiKey	A99638-ND	No stock			1	$9.9300	$9.93	Have 5 on hand
47	1	U10	SN65LVDM050D	LVDS Transciever	DigiKey	296-1416-5-ND	No Stock	Mouser	SN65LVDM050D	1	$6.7000	$6.70	$2.57 at Quest

Total $189.56