Bill of Materials

Project Title: Bill of Materials for Project [W55RP20-EVB-Pico_V200.PrjPcb] (No PCB Document Selected)
Project File Name: W55RP20-EVB-Pico_V200.PrjPcb
Assembly Variant: None

#	Comment	Description	Footprint	Quantity	Designator
1	1uF	Ceramic CAP 0402(1005)	CAP-0402	4	C1, C11, C14, C22
2	0.1uF	Ceramic CAP 0402(1005)	CAP-0402	19	C2, C3, C4, C5, C6, C7, C8, C9, C10, C12, C13, C15, C16, C23, C24, C25, C26, C30, C33
3	10uF	Ceramic CAP 0402(1005)	CAP-0402	1	C17
4	47uF	Ceramic CAP 0805(2012)	CAP-0805	1	C18
5	2.2uF	Ceramic CAP 0402(1005)	CAP-0402	2	C20, C21
6	22nF	Ceramic CAP 0402(1005)	CAP-0402	1	C27
7	6.8nF	Ceramic CAP 0402(1005)	CAP-0402	2	C28, C29
8	18pF	Ceramic CAP 0402(1005)	CAP-0402	2	C31, C32
9	1nF/2KV	MLCC-1808(4520)	CAP-1808	1	C34
10	4.7uF	Ceramic CAP 0603(1608)	CAP-0603	1	C36
11	6pF	Ceramic CAP 0402(1005)	CAP-0402	2	C37, C38
12	BAT60A	Silicon Schottky Diode	SOD-323(1-C,2-A)	2	D1, D2
13	USB-C Type connector	USB Connectors 24 Receptacle 1 8.94*7.3mm RoHS	USB-TYPE-C-31-M-12	1	J1
14	HH-1M1608-121JT	Inductor 0603(1608)	IND-0603	1	L1
15	2u2	Inductor 0805(2012)	IND-0805	1	L2
16	Green	LED-0603	LED-0603-Green	6	LD1, LD2, LD3, LD4, LD5, LD6
17	TRJ4284AHNL	PoE RJ45	TRJ4284AHNL	1	P1
18	Q-2N7002	N-Channel 60-V (D-S) MOSFET	SOT23-3L	1	Q1
19	470R	RES-0402	RES-0402	6	R1, R26, R27, R28, R29, R30
20	100K	RES-0402	RES-0402	3	R2, R13, R40
21	5.1k	RES-0402	RES-0402	2	R3, R4
22	200R	RES-0402	RES-0402	1	R5
23	1K	RES-0402	RES-0402	3	R6, R31, R36
24	1R	RES-0402	RES-0402	1	R7
25	27R	RES-0402	RES-0402	2	R8, R9
26	200K	RES-0402	RES-0402	1	R10
27	49.9R	RES-0402	RES-0402	4	R11, R12, R19, R20
28	10R/1%	RES-0402	RES-0402	1	R14
29	3.3R	RES-0402	RES-0402	4	R15, R16, R17, R18

TRX

#	Comment	Description	Footprint	Quantity	Designator	
30	330R	RES-0402	RES-0402	2	R21, R22	
31	12.4K/1%	RES-0402	RES-0402	1	R23	
32	1M	RES-0402	RES-0402	1	R24	
33	0R	RES-0402	RES-0402	1	R25	
34	5.6K	RES-0402	RES-0402	1	R41	
35	10K	RES-0402	RES-0402	1	R42	
36	RKB2SJK250SMTR LFS	RKB2 DC 12V 50 mA max. 200mΩ max. 100MΩ 250 gf, -40°C	SW-RKB2	2	SW1, SW2	
37	SGM62112-3.3	Buck-Boost Switching Regulator IC Positive Adjustable 1.8V 1	SGM62112	1	U1	SGM
38	W55RP20	WIZnet Hardwired TCP/IP Chip	QFN68	1	U2	WIZnet
39	25MHz	X-tal 25MHz,3.2x2.5 SMD, CL=18pF	OSC-82J0626	1	Y1	
40	12MHz	X-tal 12MHz,3.2x2.5 SMD, CL=20pF	OSC-TZ1067B	1	Y2	
41	NC	RES-0402	RES-0402	1	R32	
42	NC/ TP	Test_point	TPS	4	TP1, TP2, TP4, TP13	
43	NC / 2.54mm 1x20 Pin Heade	2.54mm 1x20 Pin Header DIP	IDC-1X20	2	J2, J3	
44	NC / 2.54mm 1x3 Pin Header	2.54mm 1x3 Pin Header DIP	IDC-1X3	1	J4	
45	NC / Header Socket 1x4_2.54r	Connector	IDC-1X4(SOCKET)	2	J5, J6	

Approved	Notes