





















## **Component list**

**Ethernet1 Xplained Pro** 

Source Data From:

Ethernet\_Xplained\_Pro.PrjPCB

Project:

Ethernet\_Xplained\_Pro.PrjPCB

Variant:

Default\_assembly

Report Date:

8/25/2014 9:27:13 PM



	Report Date.	0/25/2014	9.27.13 PW			
	Print Date:	8/25/2014	9:27:11 PM			
#	Designator	Quantity	Value	Manufacturer	MPN	Description
1	C1, C4, C7, C10	4	4.7uF/10V			SMD tantalum capacitor, ESR = 5, 3216-18 (EIA) 1206, polarized, high density
2	C2, C3, C5, C8, C9, C11, C13, C14, C18	9	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
3	C6, C12	2	10n			Ceramic capacitor, SMD 0402, X7R, 25V, +/-10%
4	C15	1	10uF/16V			SMD tantalum capacitor, ESR = 3 Ohm, 3216-18 (EIA) 1206
5	C17	1	1000pF/2KV	Kemet	C1808C102KGRAC7800	Ceramic capacitor, SMD 1808, X7R, 2kV, +/-10 %
6	C19, C20	2	22p			Ceramic capacitor, SMD 0402, NPO, 50V, +/-5%
7	C21, C22, C23, C24	4	12pF	Kyocera-elco	CM05CG120J50AH	Ceramic capacitor, SMD 0402, NP0, 50V, +/-5% (de19819)
8	C100, C101	2	4.7uF	Murata	GRM155R60J475ME87D	Ceramic capacitor, SMD 0402, X5R, 6.3V, +/-20% (de33687)
9	D1	1	SML-310MTT86N	ROHM	SML-310MTT86N	LED, Green, 570nm, SMD 0603
10	D2	1	MM3Z3V9ST1G			3.3V zener diode
11	D100	1	BAT54XV2T1G	ON Semiconductor	BAT54XV2T1G	Schottky diode, If:200mA, Vf:0.35V, Vrrm:30V, SOD-523
12	DOC1	1	ETHERNET1-XPRO PCBA			ETHERNET1-XPRO PCBA documentation
			documentation			
13	E1, E2	2	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
14	FB1, FB2, FB3	3	BLM21PG121SN1D	Murata	BLM21PG121SN1D	SMD EMI FERRITE 0805, Z=120 ohm(@100MHz), Max R(dc)=0.03 ohm, Max current=3A
15	J1, J2	2	HMTSW-102-23-F-S-237	SAMTEC	HMTSW-102-23-F-S-237	1x2 pin header, 2.54mm pitch, Pin-in-Paste THM
16	J4	1	J1011F01PNL	Pulse	J1011F01PNL	100 Base-TX (Fast Ethernet), RJ45 1x1 Tab-UP with LEDs(g/y), integrated magnetics connector (DigiKey:553-1350-ND)
17	J100	1	TF201-2*10RGF-W2-NF	Pro-data International Corp	F201-2*10RGF-W2-NF	2x10, female pin header receptable, right-angled, 2.54mm pitch, THM, Pin In Paste
18	JS1, JS2	2	SNT-100-BK-G	SAMTEC	SNT-100-BK-G	Jumper cap for 2.54mm pinheader
19	LABEL1	1	Label PCBA with one MAC48 address	ACT Logimark AS	505462	PCBA label PP Top White Gloss with one 48bit MAC address
20	PCB1	1	XPRO Ethernet1 Extension PCB			XPRO Ethernet1 Extension PCB, 2 layer, 30mm x 50 mm
21	R1, R3, R4, R7	4	49.9R			Thick film resistor, SMD 0402, 1/10W, 1%, High density
22	R2	1	1M			Thick film resistor, SMD 0805, 0.125W, 1%
23	R5, R22	2	0R			Thick film resistor, SMD 0402, 1/16W, 1%
24	R10, R11, R26	3	4.7k			Thick film resistor, SMD 0402, 1/16W, 1%
25	R12, R14, R23	3	220R			Thick film resistor, SMD 0402, 1/16W, 1%
26	R21	1	3.01k			Thick film resistor, SMD 0402, 1/16W, 1%, high density, (DigiKey:311-3.01KLRTR-ND)
27	R25	1	10k			Thick film resistor, SMD 0402, 1/16W, 1%
28	R100	1	100k			Thick film resistor, SMD 0402, 1/16W, 1%
29	TEST1	1	ETHERNET1-XPRO test software			ETHERNET1-XPRO test software
30	TESTDOC1	1	ETHERNET1-XPRO test instructions			ETHERNET1-XPRO test instructions
31	U1	1	KSZ8851SNLI	MICREL SEMICONDUCTOR	KSZ8851SNLI	Single-Port Ethernet Controller with SPI Interface, Integrated MAC and PHY Ethernet Controller fully compliant with IEEE 802.3/802.3u standards, Supports 10BASE-T/100BASE-TX8#65292; QFN-32, 5x5mm, 0.5mm Pitch
32	U2	1	AT93C46DN-SH	ATMEL	AT93C46DN-SH	1Kb Microw ire-compatible 3-w ire Automotive Temperature Serial EEPROM, SOIC8 (Element14:1455086)
33	U3	1	SRV05-4.TCT	Semtech Corporation	SRV05-4.TCT	RailClamp?Low - Capacitance TVS Diode Array(Element14:1456415)
34	U100	1	ATSHA204 SWI SOT23-3	ATMEL	ATSHA204-TSU-T	ATSHA204 with 1-wire interface and SOT23-3 package
35	XC1	1	FA-238 25MHz	Epson Toyocom	FA-238 25.0000MB-C3	25MHz uXtal, 3.2 x 2.5 mm SMD, CL=18pF, 30PPM, ESR=50ohm(Max.) Digi-Key:SER3691TR-ND
		65				
Approved			Notes			