



Project	Switch Ethernet
Board Name	Switch Ethernet
Document	BOM
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Qty	Designator	Value	Description	Package	Manufacteur	Reference Manufacteur	Mounting Tecghnologie	Mount
4	C1, C2, C5, C6	1000pF, 2kV	CAPACITOR, European symbol	C1206	Multicomp Passives	MC1206B102K202CT	SMD	Yes
3	C13, C14, C19	4.7uF	POLARIZED CAPACITOR, European symbol	CT3216	Multicomp Passives	MCCTA475M010	SMD	Yes
2	C22, C24	18pF	CAPACITOR, European symbol	C0603	Multicomp Passives	MC0603N180J500CT	SMD	Yes
3	C3, C7, C23	10uF	CAPACITOR, European symbol	C0603	Multicomp Passives	MCNP16V106M5X11	SMD	Yes
23	C4, C8, C15, C16, C17, C18, C20, C21, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39	0.1uF	CAPACITOR, European symbol	C0603	Multicomp Passives	MC0603B104K160CT	SMD	Yes
4	C9, C10, C11, C12	1uF	CAPACITOR, European symbol	C0603	Multicomp Passives	MC0603B105K160CT	SMD	Yes
1	D1	SMAJ33A-E3/61	TVS DIODE, 400W, 33V, DO-214AC	DIODE DO-214AC	Vishay	SMAJ33A-E3/61	SMD	Yes
1	D2	1N4148WS	Diode signaux faibles, Une, 100 V, 150 mA, 1 V, 4 ns, 350 mA	SOD-323	MULTICOMP	1N4148WS	SMD	Yes
1	F1	1812L110/24DR	Fusibles réarmables CTPP, CMS, Série POLYFUSE 1812L, 1.1 A, 1.95 A, 24 VDC, -40 °C	LITTLEFUSE_SMD	LITTLEFUSE	1812L110/24DR	SMD	Yes
1	J1	22-05-7028-02	CONNECTOR	2007041	Molex	22-05-7028	Thought-Hole	Yes
2	J2, J3	NE8FAV	NE8FAV Connecteur modulaire, RJ45, Série etherCON, Femelle, 8 Contact(s), 8 Voies, 1 Port(s)	NE8FAV	Neutrix	NE8FAV	Thought-Hole	Yes
1	J4	DF17(4.0)-20DS-0.5V(57)	Connecteur carte-à-carte, 0.5 mm, 20 Contact(s), Embase, Série DF17, Montage CMS, 2 Rangée(s)	DF17-20DS	Hirose	DF17(4.0)-20DS-0.5V(57)	SMD	Yes
1	J5	DF17(4.0)-20DP-0.5V(57)	Connecteur carte-à-carte, 0.5 mm, 20 Contact(s), Embase, Série DF17, Montage CMS, 2 Rangée(s)	DF17-20DP	Hirose	DF17(4.0)-20DP-0.5V(57)	SMD	Yes
1	J6	RB1-125BAG1A	Accessory RJ-45 With Transformer Connector - UDE	WIZNET_RB1-125BAG1A	Wiznet	RB1-125BAG1A	Thought-Hole	Yes
1	L1	15uH_10%	INDUCTOR, European symbol	L4532M	Murata	LQH43CN150K03L	SMD	Yes
1	LED1	Green	LED	CHIP-LED0603	MULTICOMP	OVS-0604	SMD	Yes
4	LED2, LED3, LED4, LED5	Blue	LED	CHIP-LED0603	MULTICOMP	OVS-0603	SMD	Yes
12	R1, R2, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13	51	RESISTOR, European symbol	R0603	Multicomp Passives	MC0063W0603151R	SMD	Yes
2	R14, R15	75	RESISTOR, European symbol	R0603	Multicomp Passives	MC0063W0603175R	SMD	Yes
4	R16, R17, R18, R19	1k	RESISTOR, European symbol	R0603	Multicomp Passives	MCMR06X1001FTL	SMD	Yes
12	R20, R21, R22, R23, R24, R25, R26, R27, R30, R31, R32, R33	49.9	RESISTOR, European symbol	R0603	Multicomp Passives	MC0603SAF499JT5E	SMD	Yes
2	R28, R29	220	RESISTOR, European symbol	R0603	Multicomp Passives	MC0063W06031220R	SMD	Yes
1	R3	1k5	RESISTOR, European symbol	R0603	Multicomp Passives	MC0063W060311K5	SMD	Yes
1	R34	10K	RESISTOR, European symbol	R0603	Multicomp Passives	MC0063W0603110K	SMD	Yes
1	R35	3k01	RESISTOR, European symbol	R0603	Multicomp Passives	MC0063W060313K01	SMD	Yes
2	R36, R37	10K, DNI	RESISTOR, European symbol	R0603	Multicomp Passives	MC0063W0603110K	SMD	No
6	R38, R39, R40, R41, R42, R43	0, DNI	RESISTOR, European symbol	R0603	Multicomp Passives	MC0603WG00000T5E-TC	SMD	No
2	T1, T2	H1102FNL	Transformateurs audio / de signal 100BaseTX SMD NonPoE 350uH .65Ohms 1-Port	HXXX	Pulse	H1102FNL	SMD	Yes
1	U1	TC1264-3.3	IC, 800mA Fixed Output CMOS LDO,3.3V,SOT-223, 3-lead	SOT230P700X180-4N	MICROCHIP	TC1264-3.3VAB	SMD	Yes
1	U2	TC1264-1.8	IC, 800mA Fixed Output CMOS LDO,1.8V,SOT-223, 3-lead	SOT230P700X180-4N	MICROCHIP	TC1264-1.8VAB	SMD	Yes
1	U3	KS28995MA	Ci Ethernet 5 Port 10/100 Switch with PHY and Frame Buffers	PQFP-128_MQL	MICROCHIP	KS28995MA	SMD	Yes
1	U4	AT24C02C-SSH-M-B	SERIAL EEPROM IC Memory Size:2Kbit,8-SOIC	SOIC127P600X175-8N	MICROCHIP	AT24C02C-SSH-M-B	SMD	Yes
1	X1	25MHz	Quartz 25.000MHz 30ppm -20 +70C 18pF	SMD2.5X2	TXC	82-25.000MAAJ-T	SMD	Yes