

Surf5_R100

#	Quantity	Designator	Comment	Description	Footprint
1	15	C1, C2, C6, C7, C8, C9, C11, C12, C13, C14, C22, C25, C26, C28, C29	0.1uF	Ceramic CAP 0402(1005)	CAP-0402
2	1	C3	1nF/2kV	Ceramic CAP 1808(4520)	CAP-1808
3	2	C4, C5	1uF	Ceramic CAP 0402(1005)	CAP-0402
4	4	C10, C15, C24, C27	10uF/10V	MLCC-0805(2012)	CAP-0805-3
5	2	C16, C17	30pF	Ceramic CAP 0402(1005)	CAP-0402
6	2	C18, C19	27pF	Ceramic CAP 0402(1005)	CAP-0402
7	2	D1, D2	BAT60A	Silicon Schottky Diode	SOD-323(1-C,2-A)
8	2	J1, J2	2.54mm 1x20 Pin Header DIP	2.54mm 1x20 Pin Header DIP	NC
9	1	J3	2.54mm 1x3 Pin Header DIP	2.54mm 1x3 Pin Header DIP	NC
10	2	J4, J5	Header Socket 1x4_2.54mm	Connector	NC
11	1	L1	HH-1M1608-121JT	Inductor 0603(1608)	IND-0603
12	1	LD1	Red	LED-0603	LED-0603-RED
13	1	LD2	Green	LED-0603	LED-0603-RED
14	1	P1	RB1-ZZ-0049	PoE RJ45	RB1-ZZ-0049
15	1	P2	Micro USB	Micro USB B Connector SMD	Micro 5P B DBX 6.4
16	4	R1, R8, R17, R23	4.7K	RES-0402	RES-0402
17	4	R2, R3, R4, R6	3.3R	RES-0402	RES-0402
18	3	R5, R7, R21	330R	RES-0402	RES-0402
19	1	R9	6.19K/1%	RES-0402	RES-0402
20	2	R11, R13	3R3	RES-0402	RES-0402
21	1	R12	470R	RES-0402	RES-0402
22	1	R14	100K	RES-0402	RES-0402
23	1	R15	1M	RES-0402	RES-0402
24	5	R18, R19, R20, R22, R24	5.1K	RES-0402	RES-0402
25	2	SW1, SW2	DJT-1115VNS	TACT Switch (SMD)	1185A
26	1	U1	W7500	WIZnet ARM Cortex-M0	W7500-LQFP64
27	1	U2	LM8805SF5-33V	600mA CMOS LDO Regulator	SOT-23-5L
28	1	U3	USB to Uart	USB to Uart	CH340N
29	1	U5	IP101GR/GRI	IC plus PHY	QFN32(0.4/4X4)
30	1	Y2	12MHz	X-tal 12MHz,3.2x2.5 SMD, CL=20pF	OSC-TZ1067B
31	1	Y3	25MHz	X-tal 25MHz,3.2x2.5 SMD, CL=18pF	OSC-82J0626