

Item	Quantity	Reference	Part	Footprint	Part Description	Power	Tolerance	Voltage	Manufacturer
1	27	C2,C4,C6,C7,C8,C9,C11, C12,C14,C15,C52,C53,C54, C55,C56,C57,C59,C60,C89, C90,C92,C93,C94,C103, C104,C107,C108	0.1uF	SMD0603-A-1	CAP, SMD, Ceramic, 0603		20%	16V	
2	1	C3	10uF	SMD07343					
3	4	C28,C29,C30,C31	33U-7343	SMD07343	C/C/ SMD, Tan, 7343		20%	25V	
4	2	C33,C35	33PF	SMD0805-A-1	CAP, SMD, Ceramic, 0805		10%	50V	
5	1	C40	33uF	SMD3528-B-1					
6	1	C41	68uF	SMD3528-B-1					
7	2	C87,C88	1500pF	SMD1808-A-1	CAP, SMD, Ceramic, 1808		10%	2KV	
8	1	C91	10uF	SMD3528-B-1	CAP, SMD, Tant, 3528		10%	16V	
9	4	C105,C106,C109,C110	0.001uF	SMD0603-A-1	CAP, SMD, Ceramic, 0603		20%	16V	
10	3	C111,C112,C113	100nF	SMD0603-A-1					
11	1	C114	10uF	SMD3528-B-1					
12	6	D2,D3,D4,D5,D6,D7	Bicolor-LEDs	7011X5/7	Digikey L61057CT_ND				
13	2	D9,D8	Ultra Bright Red	Panasonic LNJ211R82RA					
14	1	D10	LTM673	OSRAM LTM673	Hyper-Bright LED				OSRAM/LTM673-R1S2-35
15	1	J1	HDR-3X3	HDR-3X3					
16	1	J2	CON2x5_TH	cn-hdr2x5					
17	17	J4,J23,J36,J37,J40,J41, J48,J49,J50,J51,J52,J55, J56,J57,J58,J90,J92	HDR-1X2	CN-HDR1X2					
18	2	J13,J7	HDR-2X20	CN-MII-40P-RA-M					
19	2	J8,J10	HDR-1X3	CN-HDR1X3					
20	2	J9,J14	CON-MII-MALE	CN-MII-40P-RA-M					
21	1	J26	HDR2X2	CN-HDR2X2					
22	6	J42,J43,J44,J45,J46,J47	HDR_1X3	CN-HDR1X3					
23	2	J84,J85	CON-RJ45	CN-PHONE8P8C-RA-SHLD	RJ-45 Connector				
24	1	J89	HFBR-5803	HFBR-5803 SC Connector					
25	1	J91	POE Connector	Sullins PPPC071LGBN					
26	1	J93	HDR2X5	CN-HDR2X5					
27	2	L1,L2	1uH	Murata LQM21N Series	LQM21NN1R0K10D Ferrite Inductor				Murata LQM21NN1R0K10D
28	1	R1	1.5K	SMD805-A-1	RES, SMD, 0805	1/10W	1%		
29	1	R20	4.87K 1%	SMD0603-A-1	RES, SMD, 0603	1/16W	1%		
30	10	R43,R44,R45,R46,R47,R50, R51,R52,R53,R54		33 SMD0603-A-1	RES, SMD, 0603	1/16W	5%		
31	7	R56,R92,R96,R101,R110, R112,R128	Open	SMD0603-A-1	RES, SMD, 0603	1/16W	5%		
32	1	R63	10K	SMD0603-A-1					
33	25	R86,R87,R88,R93,R94,R95, R97,R98,R103,R104,R105, R106,R111,R113,R117,R118, R119,R120,R125,R126,R127, R129,R133,R134,R149	2.2K	SMD0603-A-1	RES, SMD, 0603	1/16W	5%		
34	13	R89,R91,R99,R102,R107, R109,R114,R116,R122,R124, R130,R132,R236		165 SMD0603-A-1	RES, SMD, 0603	1/16W	1%		
35	8	R135,R136,R137,R138,R143, R144,R145,R146		49.9 SMD0603-A-1	RES, SMD, 0603	1/16W	1%		
36	8	R157,R158,R159,R160,R161, R162,R163,R164		75 SMD0603-A-1	RES, SMD, 0603	1/16W	1%		
37	2	R166,R165		50 SMD0603-A-1	RES, SMD, 0603	1/16W	1%		
38	5	R167,R168,R171,R172,R217		130 SMD0603-A-1	RES, SMD, 0603	1/16W	1%		
39	12	R169,R170,R181,R182,R185, R186,R226,R227,R228,R229, R237,R238	Open	SMD0603-A-1	RES, SMD, 0603	1/16W	1%		
40	9	R173,R174,R175,R176,R177, R178,R179,R180,R239		0 SMD0603-A-1	RES, SMD, 0603	1/16W	1%		

41	5	R183,R184,R187,R188,R218		80	SMD0603-A-1	RES, SMD, 0603	1/16W	1%	
42	2	R223,R224		22	SMD0603-A-1	RES, SMD, 0603	1/16W	5%	
43	1	R225		10	SMD0603-A-1	RES, SMD, 0603	1/16W	5%	
44	1	R231		100	SMD0603-A-1				
45	1	R232		1200	SMD0603-A-1				
46	1	R233		33	SMD0603-A-1				
47	2	R234,R235		210	SMD0603-A-1	RES, SMD, 0603	1/16W	5%	
48	2	T1,T2	H2019 (POE)		Pulse H1102/H2019	Magnetic			Pulse/H1102/H2019
49	1	U1	DP83849		VHB80A				
50	1	U3	LP3964 - 3.3V - 800mA		SOT223-5	Voltage Regulator 5V-3.3V			NSC/LP3964EMP-3.3
51	3	U4,U5,U6	NC7SZ126		SOT23-5				
52	1	X1	50 MHz		OSC14-4P	50 MHz Oscillator (50 ppm), 3.3V			
53	1	Y1	XTAL - 25M		HC49-US	Crystal, 25.000M			
54	14	J1 : 2-3, 5-6, 8-9 ; J8 MII_5V J23 MII_3V3; J92 MII_3V3 J10 : MII_VDD_B J41; J42 HI; J43 HI; J44 HI J45 HI; J46 HI; J47 HI							Jumper setting

MII with Copper Configuration - Do Not Stuff Components

X1
R223, R224, R225,
J90
R174, R175, R178, R179, [R239](#)
J89

MII with Fiber Configuration - Do Not Stuff Components

X1
R223, R224, R225,
J90
R173, R176, R177, R180

RMII with Copper Configuration - Do Not Stuff Components

Y1
C33, C35
J90
R174, R175, R178, R179, [R239](#)
J89

RMII with Fiber Configuration - Do Not Stuff Components

Y1
C33, C35
J90
R173, R176, R177, R180

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