

Nº	P/N	Name	Footprint	Layer	Designator	Value	Quantity
1	GRM155R71C104KA88J	SMD Capacitor	C0402	Top	C130, C133, C134, C135, C136, C137, C138, C139, C142, C198, C199, C210, C211, C256, C258, C279, C281	0.1uF	17
2	GRM155R60J105KE19D	SMD Capacitor	C0402	Top	C131, C246	1uF	2
3	GRM155R71H104KE14J	SMD Capacitor	C0402	Top	C192, C196	0.1uF	2
4	GRM155R70J105KA12D	SMD Capacitor	C0402	Top	C193, C195	1uF	2
5	GRM188R71C104KA01D	SMD Capacitor	C0603	Top	C212, C214, C217, C219	0.1uF	4
6	GRM188R71H221KA01D	SMD Capacitor	C0603	Top	C213, C215, C218, C220	220pF	4
7	GRM188R60J106ME47J	SMD Capacitor	C0603	Top	C257, C280	10uF	2
8	GRM32ER60J107ME20L	SMD Capacitor	C1210	Top	C37, C59, C82, C88, C112, C123, C128, C180, C204, C209, C263, C268, C273, C278, C291, C293, C298, C316	100uF	18
9	WP934EB/2GD	LED Pack For Front Panel	LED_PACK	Top	H1, H2, H3		3
10	LP38692MP-3.3/NOPB	Linear Regulator	SOT-223-5	Top	D14, D22		2
11	LP38692MP-5.0/NOPB	Linear Regulator	SOT-223-5	Top	D19		1
12	LP38692MP-1.8/NOPB	Linear Regulator	SOT-223-5	Top	D20, D21		2
13	0826-1X1T-23-F	Gigabit Ethernet Single Port with LEDs	0826-1X1T-23-F	Top	X6		1
14	Mezzanine 714362164	1.00mm Pitch Mezzanine 714362164	Mezzanine	Top	RX, TX		2
15	24LC024	I2C EEPROM	SOIC_SN8	Top	D11		1
16	AD5663RBRMZ-5	AD5663RBRMZ-5	MSOP-10	Top	D25, D26		2
17	AD7922ARM	AD7922ARM	MSOP-8	Top	D23, D24		2
18	AD9142ABCPZ	AD9142ABCPZ	LFCSP_VQ-72	Top	D18		1
19	AD9516-4	AD9516-4	LFCSP-64	Top	D8		1
20	ADG3301	ADG3301	SOT-23-6	Top	D10		1
21	B320A	Schottky Diode	Diode_SMA	Top	VD2, VD3		2
22	B3FS-1000	Button	B3FS-1000	Top	SB1		1
23	ERJ-2RKF2003X	SMD Resistor	R0402	Top	R1, R2	200k	2
24	ERJ-2GEJ330X	SMD Resistor	R0402	Top	R102	33	1
25	ERJ-2GEJ5R1X	SMD Resistor	R0402	Top	R13, R14	5.1	2
26	ERJ-2RKF3163X	SMD Resistor	R0402	Top	R16, R25	316k	2
27	ERJ-2RKF1581X	SMD Resistor	R0402	Top	R17	1.58k	1
28	ERJ-2RKF1961X	SMD Resistor	R0402	Top	R26	1.96k	1
29	ERJ-2RKF24R9X	SMD Resistor	R0402	Top	R29	24.9	1
30	ERJ-2RKF2742X	SMD Resistor	R0402	Top	R3, R4	27.4k	2
31	ERJ-2GEJ391X	SMD Resistor	R0402	Top	R31	390	1
32	ERJ-2GEJ123X	SMD Resistor	R0402	Top	R32	12k	1
33	ERJ-2GEJ102X	SMD Resistor	R0402	Top	R38	1k	1
34	ERJ-2GEJ242X	SMD Resistor	R0402	Top	R49	2.4k	1
35	ERJ-2RKF1022X	SMD Resistor	R0402	Top	R5, R7, R10, R21	10.2k	4
36	ERJ-2RKF5101X	SMD Resistor	R0402	Top	R60	5.1k	1
37	ERJ-2RKF20R0X	SMD Resistor	R0402	Top	R70, R71, R85, R86	20	4
38	ERJ-2RKF6653X	SMD Resistor	R0402	Top	R9, R20	665k	2
39	ERJ-2GE0R00X	SMD Resistor	R0402	Top	R93	NONE	1
40	ERJ-2GEJ101X	SMD Resistor	R0402	Top	R94, R95	100	2
41	ERJ-2GEJ222X	SMD Resistor	R0402	Top	R97	2.2k	1
42	ERJ-2GEJ103X	SMD Resistor	R0402	Top	R98	10k	1
43	CVHD-950-100.000	Crystal Oscillator	CVHD-950	Top	Q1		1
44	CY7C1356C-250AXC	CY7C1356C-250AXC	TQFP-100	Top	D13		1
45	PJ-059B	DC Power Connector 6mm	True-Hole	Top	X2		1
46	DP83865DVH	10/100/1000 Ethernet Physical Layer	PQFP-128	Top	D27		1
47	EXB-24V131JX	Chip Resistor Array	EX24V	Top	R34	130	1
48	EXB-24V510JX	Chip Resistor Array	EX24V	Top	R40	51	1
49	EXB-24V270JX	Chip Resistor Array	EX24V	Top	R54, R57	27	2
50	EXB-N8V330JX	Chip Resistor Array	EXN8V	Top	R103, R104, R110, R112, R114, R115	33	6
51	0154005.DR Fast Fuse	Fast Chip SMD Fuse	SMD Omni Block	Top	F1		1
52	Molex 0901210764	4-Way .100" Angle PCB Header	.100" True-Hole	Top	X4		1
53	HSMS-281C	HSMS-281C	SOT-323	Top	D9		1
54	JTAG Header 7x2	JTAG Header 7x2	Header 14-pin .100"	Top	X3		1
55	KX-13T	Quartz	SMT 5x7	Top	Q2		1
56	LM26420X	LM26420X	HTSSOP-20	Top	D3, D5		2
57	LQH32PN1R0NNC	Inductor Power Lines	L1210 LQH	Top	L9, L10, L11, L12, L13, L14, L15, L32, L33, L34, L35, L36, L38, L39, L40, L41	1uH	16
58	LQM32PN1R0MG0	Inductor Power Lines	L1210	Top	L16, L25, L26	1uH	3
59	LQW18ANR27G80D	Chip SMD Inductor	L0603	Top	L17, L19	270nH	2
60	LQW18ANR18G80D	Chip SMD Inductor	L0603	Top	L18, L20	180nH	2
61	LQW18ANR18G80D	Chip SMD Inductor	L0603	Top	L22, L24	180nH	2
62	LQW18ANR27G80D	Chip SMD Inductor	L0603	Top	L21, L23	270nH	2
63	LTC2185CUP#PBF-ND	LTC2185CUP#PBF-ND	QFN-64	Top	D15		1
64	LTC6409CUDB#TRMPBF	LTC6409CUDB#TRMPBF	QFN-10	Top	D16, D17		2
65	2x2 miniFit DC Power Connector	Mini-Fit Power Connector	2x2 PWR_HDR	Top	X1		1
66	N25Q128A13ESE40	N25Q128A13ESE40	SOIC8-W	Top	D12		1
67	Molex 732512201	SMA Right Angle PCB Mount RF Connector	SMA	Top	XW1, XW2		2
68	SMF33A	SMF33A	SOD-123F	Top	VD1		1
69	TPS26600	TPS26600	R-PDSO-G16	Top	D1, D2		2
70	TPS54332	TPS54332	R-PDSO-G8	Top	D4, D6		2
71	XAL5050-103MEB	Magnetic-Core Inductor	XAL5050	Top	L6	10uH	1
72	XAL5050-153MEB	Magnetic-Core Inductor	XAL5050	Top	L3	15uH	1
73	XAL6060-223MEB	Magnetic-Core Inductor	XAL6060-223	Top	L1, L2	22uH	2
74	XEL4030-332MEB	Magnetic-Core Inductor	XAL4030	Top	L4	3.3uH	1
75	XEL4030-472MEB	Magnetic-Core Inductor	XAL4030	Top	L7	4.7uH	1
76	XEL4030-682MEB	Magnetic-Core Inductor	XAL4030	Top	L5, L8	6.8uH	2
77	GRM155R71C104KA88J	SMD Capacitor	C0402	Bottom	C129, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C222, C223, C224, C225, C226, C227, C228, C229, C230, C231, C232, C233, C234, C235, C236, C243, C244, C245, C247, C254, C255, C290, C292, C299, C300, C301, C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C317, C318, C319, C320, C321, C322, C323, C324, C325, C326, C327, C328, C329, C330, C331	0.1uF	65
78	GRM188R71C104KA01D	SMD Capacitor	C0402	Bottom	C141	0.1uF	1
79	GRM155R71C224KA12D	SMD Capacitor	C0402	Bottom	C167	0.22uF	1
80	GRM1555C1HRS0BA01D	SMD Capacitor	C0402	Bottom	C182, C184, C187, C189	0.5pF	4
81	GRM1555C1H390FA01D	SMD Capacitor	C0402	Bottom	C183, C185, C188, C190	39pF	4
82	GRM1555C1H131JA01D	SMD Capacitor	C0402	Bottom	C19	130pF	1
83	GRM155R71H822KA88D	SMD Capacitor	C0402	Bottom	C20, C32	8.2nF	2
84	GRM1555C1E220JA01D	SMD Capacitor	C0402	Bottom	C288, C289	22pF	2
85	GRM1555C1H510JA01D	SMD Capacitor	C0402	Bottom	C31	51pF	1

86	GRM155R71E103KA01D	SMD Capacitor	C0402	Bottom	C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C83, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C113, C114, C115, C116, C117, C118, C156, C157, C158, C159, C160, C161, C164, C166, C168, C169, C170, C171, C172, C173, C174,	10nF	78
87	GRM155R71H104KE14J	SMD Capacitor	C0402	Bottom	C7, C10, C11, C23, C186, C191, C282, C283, C284, C285, C286, C287	0.1uF	12
88	GRM155R71H103JA88D	SMD Capacitor	C0402	Bottom	C8, C9	0.01uF	2
89	GRM1555C1H101JA01D	SMD Capacitor	C0603	Bottom	C140	100pF	1
90	GRM1885C1H472JA01D	SMD Capacitor	C0603	Bottom	C18	4.7nF	1
91	GRM188R71A225KE15D	SMD Capacitor	C0603	Bottom	C194, C197	2.2uF	2
92	GRM188R71A474KA61D	SMD Capacitor	C0603	Bottom	C21, C22	0.47uF	2
93	GRM1885C1H242JA01D	SMD Capacitor	C0603	Bottom	C30	2.4nF	1
94	GRM188R71C104KA01D	SMD Capacitor	C0603	Bottom	C33, C35, C55, C57, C78, C80, C84, C86, C108, C110, C119, C121, C124, C126, C162, C176, C178, C200, C202, C205, C207, C237, C239, C248, C250, C259, C261, C264, C266, C269, C271, C274, C276, C294, C296, C312, C314	0.1uF	37
95	GRM188R71H221KA01D	SMD Capacitor	C0603	Bottom	C34, C36, C56, C58, C79, C81, C85, C87, C109, C111, C120, C122, C125, C127, C163, C177, C179, C201, C203, C206, C208, C238, C240, C249, C251, C260, C262, C265, C267, C270, C272, C275, C277, C295, C297, C313, C315	220pF	37
96	GRM21BR61H475KE51L	SMD Capacitor	C0805	Bottom	C12, C24	4.7uF	2
97	GRM21BR71A106KE51L	SMD Capacitor	C0805	Bottom	C13, C14, C26, C28	10uF	4
98	GRM32ER71H106KA12L	SMD Capacitor	C1210	Bottom	C1, C2, C3, C4, C15	10uF	5
99	GRM32DR60J336ME19L	SMD Capacitor	C1210	Bottom	C132	33uF	1
100	GRM32ER71A476KE15L	SMD Capacitor	C1210	Bottom	C16, C17, C27, C29, C165, C241, C242, C252, C253	47uF	9
101	GRM32ER60J107ME20L	SMD Capacitor	C1210	Bottom	C216, C221	100uF	2
102	GRM32ER71E226KE15L	SMD Capacitor	C1210	Bottom	C25	22uF	1
103	2N7002	N-Channel MOSFET 2N7002	SOT-23	Bottom	T1		1
104	B550C	Schottky Diode	Diode_SMC	Bottom	VD4, VD5		2
105	ERJ-2GEJ202X	SMD Resistor	R0402	Bottom	R105, R122, R123	2k	3
106	ERJ-2RKF2551X	SMD Resistor	R0402	Bottom	R11	2.55k	1
107	ERJ-2RKF2152X	SMD Resistor	R0402	Bottom	R12	21.5k	1
108	ERJ-2GEJ330X	SMD Resistor	R0402	Bottom	R126, R127	33	2
109	ERJ-2RKF9761X	SMD Resistor	R0402	Bottom	R128	9.76k	1
110	ERJ-2RKF9311X	SMD Resistor	R0402	Bottom	R15	9.31k	1
111	ERJ-2RKF1022X	SMD Resistor	R0402	Bottom	R18, R19, R27, R28	10.2k	4
112	ERJ-2RKF1272X	SMD Resistor	R0402	Bottom	R22	12.7k	1
113	ERJ-2RKF3162X	SMD Resistor	R0402	Bottom	R23	31.6k	1
114	ERJ-2RKF1912X	SMD Resistor	R0402	Bottom	R24	19.1k	1
115	ERJ-2GEJ105X	SMD Resistor	R0402	Bottom	R30, R36	1M	2
116	ERJ-2RKF24R9X	SMD Resistor	R0402	Bottom	R33	24.9	1
117	ERJ-2GEJ472X	SMD Resistor	R0402	Bottom	R35, R37, R53	4.7k	3
118	ERJ-2RKF49R9X	SMD Resistor	R0402	Bottom	R39	49.9	1
119	ERJ-2GEJ103X	SMD Resistor	R0402	Bottom	R42	10k	1
120	ERJ-2GEJ680X	SMD Resistor	R0402	Bottom	R43, R45, R51, R52, R55, R59, R124, R125	68	8
121	ERJ-2GEJ222X	SMD Resistor	R0402	Bottom	R46, R47	2.2k	2
122	ERJ-2GEJ331X	SMD Resistor	R0402	Bottom	R56, R58, R108, R109	330	4
123	ERJ-2RKF6041X	SMD Resistor	R0402	Bottom	R6, R8	6.04k	2
124	ERJ-2RKF4121X	SMD Resistor	R0402	Bottom	R61	4.12k	1
125	ERJ-2RKF4020X	SMD Resistor	R0402	Bottom	R62, R65, R77, R80	402	4
126	ERJ-2RKF2430X	SMD Resistor	R0402	Bottom	R63, R75, R78, R90	243	4
127	ERJ-2RKF86R6X	SMD Resistor	R0402	Bottom	R64, R76, R79, R91	86.6	4
128	ERJ-2RKF1500X	SMD Resistor	R0402	Bottom	R66, R67, R82, R83	150	4
129	ERJ-2RKF27R4X	SMD Resistor	R0402	Bottom	R68, R73, R81, R88	27.4	4
130	ERJ-2RKF36R5X	SMD Resistor	R0402	Bottom	R69, R72, R84, R87	36.5	4
131	ERJ-2GEJ101X	SMD Resistor	R0402	Bottom	R74, R89, R96	100	3
132	ERJ-2GE0R00X	SMD Resistor	R0402	Bottom	R92	0	1
133	ERJ-2RKF9090X	SMD Resistor	R0402	Bottom	R99, R101, R116	909	3
134	EXB-24V510JX	Chip Resistor Array	EX24V	Bottom	R117, R118, R119, R120	51	4
135	EXB-24V101JX	Chip Resistor Array	EX24V	Bottom	R41	100	1
136	EXB-24V201JX	Chip Resistor Array	EX24V	Bottom	R44, R48, R50	200	3
137	EXB-N8V202JX	Chip Resistor Array	EXN8V	Bottom	R100, R106, R107, R113	2k	4
138	LQM31PN1R0M00	Inductor Power Lines	L1206	Bottom	L31, L37	1uH	2
139	LQM32PN1R0MG0	Inductor Power Lines	L1210	Bottom	L27, L28, L29, L30	1uH	4
140	TPSD226K035R0200	Tantalum Capacitor	Tantalum_D	Bottom	C5, C6	22uF	2