

Item	QTTY	Component Reference	Description	Manufacturer	Manufacturer Part	Supplier	Supplier Part	Notes
1	40	C1, C9, C13, C16, C25, C26, C29, C34, C35, C36, C37, C40, C43, C44, C45, C46, C47, C48, C49, C51, C53, C55, C57, C59, C66, C68, C80, C81, C82, C120, C122, C123, C127, C131, C132, C136, C137, C139, C140, C141	Capacitor 100nF 0402 X7R	Murata	GRM155R71C104KA88D	Farnell InOne	8819742	.
2	6	C108, C109, C111, C114, C115, C116 C12, C15, C17, C18, C31, C32, C33, C39, C41, C50, C52, C54, C56, C58, C67, C78, C79, C112	Capacitor 100nF 0402 X7R	Murata	GRM155R71C104KA88D	Farnell InOne	8819742	.
3	18	C21	Capacitor 10nF 0402 X7R	Murata	GRM155R71H103KA88D	Farnell InOne	1828887	.
4	1	C2	Capacitor 10nF 0603 NPO	Kemet	C0603C103J3GACTU	Farnell InOne	1457729	.
5	1	C65	Capacitor 12pF 0402 COG	KEMET	C0402C120J5GACTU	Farnell InOne	1414576	.
6	1	C103, C106	Capacitor 150pF 0402 NPO	MultiComp	MCCA000121	Farnell InOne	1758975	.
7	2	C69, C70, C71, C72, C73, C126	Capacitor 15pF 0402 COG	KEMET	C0402C150J5GACTU	Farnell InOne	1414577	.
8	6	C125, C134, C135	Capacitor 1nF 0402 C0G	muRata	GRM1555C1H102JA01D	Farnell InOne	8819556	.
9	3	C128	Capacitor 1uF 0402 X5R	Kemet	C0402C105K9PACTU	Farnell InOne	1288253	.
10	1	C104, C105	Capacitor 220nF 0402 X5R	Murata	GRM155R61A224KE19D	Farnell InOne	8819718	.
11	2	C60, C61, C62, C63	Capacitor 22nF 0402	Murata	GRM155R71H223KA12D	Farnell InOne	1828888	.
12	4	C138	Capacitor 22pF 0402 NPO	AVX	CM05CG220J50AH	Farnell InOne	1216541	.
13	1	C64	Capacitor 2u2F 0402 X5R	Kemet	C0402C225M8PAC TU	Farnell InOne	2118127	.
14	1	C113, C117	Capacitor 3n9F 0402 X7R	MultiComp	MCCA000143	Farnell InOne	1758999	.
15	2	C10, C85, C119	Capacitor 47pF 0402 NPO	Murata	MCCA000107	Farnell InOne	1758959	.
16	3	C14, C30, C38, C42, C83, C110	Capacitor 470nF 16V 0603 X7R	KEMET	C0603X474K4RAC	Farnell InOne	1414037	.
17	6	C3, C5, C8, C84, C86, C87, C92, C94, C95, C96, C97, C118, C124	Capacitor 10uF 6.3V 0805 X7R	Murata	GRM21BR71A106KE51L	Farnell InOne	1828828	.
18	13	C133	Capacitor 4u7F 6.3V 0805 X7R	AVX	0805YC475KAT2A	Farnell InOne	1657937	.
19	1	C4, C6, C11, C121	Capacitor 10uF Tant Case A	KEMET	B45196H2106K109	Farnell InOne	9751041	.
20	4	C129, C130	Capacitor 22uF 1206 X7R	Kemet	C1206C226M8RAC TU	Farnell InOne	2118135	.
21	2	LED1	Capacitor 47uF 1210 X6S	Murata	GRM32EC81C476KE15L	Farnell InOne	1907527	.
22	1	LED4	LED OVS-0803 (BLUE)	MULTICOMP	OVS-0803	Farnell InOne	1716765	.
23	1	LED2, LED5	LED OVS-0804 (GREEN)	MULTICOMP	OVS-0804	Farnell InOne	1716766	.
24	2	LED3, LED6	LED OVS-0806 (YELLOW)	MULTICOMP	OVS-0806	Farnell InOne	1716767	.
25	2	L3, L4, L7	LED OVS-0808 (RED)	MULTICOMP	OVS-0808	Farnell InOne	1716768	.
26	3	L14, L16	Inductor 2u2H	TDK	SLF7045T-3R3M2R2-H	Farnell InOne	1670118	.
27	2	B1	Inductor 3u3H	TDK	VLF3010AT-2R2M1R0	Farnell InOne	2215723	.
28	1	C20	Parts Not To Be Fitted	.	.	.	.	.
29	1	DC-IN	Variable Capacitor 5-20pF	muRata	TZC3P200A110B00	Farnell InOne	9528652	.
30	1	IC12	Connector DC Power 2.1mm Socket	Cliff Electronic Components	DC10A	Farnell InOne	224959	.
31	1	IC5	LT3971EDD-3.3	LINEAR TECHNOLOGY	LT3971EDD-3.3	Farnell InOne	2068054	.
32	1	RN9, RN10	LT3971EDD-5	LINEAR TECHNOLOGY	LT3971EDD-5	Farnell InOne	2068055	.
33	2	IC10	Resistor Array 22R 5%	Panasonic	EXB18V220JX	Farnell InOne	2060117	.
34	1	IC13	Mobile DDR 512MB(x16) SDRAM	Hynix	H5MS5162EFR-J3M	Farnell InOne	2147277	.
35	1	U\$1	STOTG04EQTR	ST Microelectronics	STOTG04EQTR	Mouser	511-STOTG04EQTR	.
36	1	ETH	Light Pipe	Mentor	1271.1010	Farnell InOne	3245251	.
37	1	U201	Ethernet RJ45	TE connectivity/AMP	5-6605758-1	Farnell InOne	1630005	.
38	1	L12	DP83848MSQ	Texas Instruments	DP83848MSQ/NOPB	Farnell InOne	1602446	.
39	1	L13	Inductor 2n7H	muRata	LQP15MN2N7B02	Farnell InOne	1404732	.
40	1	L15	Inductor 5n1H	muRata	LQP15MN5N1B02	Farnell InOne	1515367	.
41	1	L5, L6, L8, L17	Ferrite Bead	TAIYO YUDEN	BK1608HS220-T	Mouser	963-BK1608HS220-T	.
42	4	R16, R17, R26, R31, R46, R48, R49, R52, R53, R54, R79, R82, R84, R89, R90, R92	Ferrite Bead	Murata	BLM18AG601SN1D	Farnell InOne	1515679	.
43	16	R136, R137, R138	Resistor 0R 0402 1%	PhyComp(Yageo)	232270591001	Farnell InOne	9232516	.
44	3	R35, R94, R149	Resistor 100R 0402 1%	PhyComp(Yageo)	232270671001	Farnell InOne	9239111	.
45	3	R18, R20, R21, R22, R23, R24, R56, R61, R130, R131, R132, R135, R147	Resistor 100K 0402 1%	PhyComp(Yageo)	232270671004	Farnell InOne	9239472	.
46	13	R25, R27	Resistor 10K 0402 1%	PhyComp(Yageo)	232270671003	Farnell InOne	9239359	.
47	2	R55	Resistor 120R 0402 1%	PhyComp(Yageo)	RC0402FR-07120RL	Farnell InOne	9239120	.
48	1	R36, R141	Resistor 120K 0402 1%	MultiComp	MC 0.0625W 0402 1% 120K	Farnell InOne	1358098	.
49	2	R2	Resistor 14K 0402 1%	MultiComp	MC 0.0625W 0402 1% 14K	Farnell InOne	1803149	.
50	1	R14	Resistor 150R 0402 1%	MultiComp	MC 0.0625W 0402 1% 150R	Farnell InOne	1358020	.
51	1	R30, R63, R139, R148	Resistor 180K 0402 1%	MultiComp	MC 0.0625W 0402 1% 180K	Farnell InOne	1358102	.
52	4	R68	Resistor 1K 0402 1%	PhyComp(Yageo)	232270671002	Farnell InOne	9239235	.
53	1	R145, R146	Resistor 1K5 0402 1%	PhyComp(Yageo)	RC0402FR-071K5L	Farnell InOne	9239251	.
54	2	R33, R40, R83, R85, R110, R111, R112, R113	Resistor 20R 0402 1%	MultiComp	MC 0.0625W 0402 1% 20R	Farnell InOne	1357997	.
55	8	R28, R50, R58, R143, R144	Resistor 22R 0402 1%	MultiComp	MC 0.0625W 0402 1% 22R	Farnell InOne	1357998	.
56	5	R13	Resistor 2K2 0402 1%	PhyComp(Yageo)	RC0402FR-072K2L	Farnell InOne	9239278	.
57	1	R1, R78, R105, R106, R109	Resistor 300K 0402 1%	MultiComp	MC 0.0625W 0402 1% 300K	Farnell InOne	1358107	.
58	5	R71, R72, R73, R74	Resistor 33K 0402 1%	VISHAY DRALORIC	CRCW040230K0FKED	Farnell InOne	2140891	.
59	4	R140	Resistor 3K3 0402 1%	MultiComp	MC 0.0625W 0402 1% 3K3	Farnell InOne	1358056	.
60	1	R3, R65	Resistor 43K 0402 1%	PhyComp(Yageo)	232270674303	Farnell InOne	1458795	.
61	2	R152, R153	Resistor 470R 0402 1%	MultiComp	MC 0.0625W 0402 1% 470R	Farnell InOne	1358034	.
62	2		Resistor 47K 0402 1%	PhyComp(Yageo)	RC0402FR-0747KL	Farnell InOne	9239430	.

63	2	R80, R81	Resistor 4K7 0402 1%	MultiComp	MC 0.0625W 0402 1% 4K7	Farnell InOne	1358060	.
64	1	R4	Resistor 4K87 0402 1%	MultiComp	MC 0.0625W 0402 1% 4K87	Farnell InOne	1803106	.
65	4	R5, R6, R7, R9	Resistor 49R9 0402 1%	VISHAY DRALORIC	CRCW040249R9FKED	Farnell InOne	1469722	.
66	1	R64	Resistor 560R_0402 1%	VISHAY DRALORIC	CRCW0402560RFKEAHP	Farnell InOne	1738846	.
67	1	R12	Parts Not To Be Fitted	.	.	.	.	.
68	3	LR5, LR6, LR8	Resistor 0R 0603 1%	PhyComp(Yageo)	RC0603JR-070RL	Farnell InOne	9233130	.
69	3	L1, L2, L11	Ferrite Bead	Murata	BLM18AG221SN1D	Farnell InOne	1515674	.
70	4	R34, R37, RC21, RC22	Resistor 0R 1206 1%	PhyComp(Yageo)	232271191032	Farnell InOne	9240276	.
71	2	IC2, IC8	74LVC1G125	NXP	74LVC1G125GW	Farnell InOne	1631685	.
72	1	D6	PMEG3020EP	NXP	PMEG3020EP	Farnell InOne	1972722	.
73	2	D5, D7	PMEG2010AEJ	NXP	PMEG2010AEJ.115	Farnell InOne	1757762	.
74	1	IC7	LPC3240	NXP	LPC3240FET296/01,5	Mouser	771-LPC3240FET296015	.
75	1	IC1	CAT811S	ON Semiconductor	CAT811STBI-GT3	Farnell InOne	1718111	.
76	1	D2	Dual Diode Schottky BAT54C	NXP	BAT54C	Farnell InOne	1081192	.
77	5	D1, D3, D4, D10, D11	Diode Schottky BAT754	NXP	BAT754	Farnell InOne	1081203	.
78	2	D8, D9	MMBZ9V1AL	NXP	MMBZ9V1AL	Farnell InOne	1829223	.
79	1	U1	1.2V DC DC Converter	Texas Instruments	LM3671MF-1.2/NOPB	Farnell InOne	1685653	.
80	1	U2	1.875V DC DC Converter	Texas Instruments	LM3671MF-1.875	Farnell InOne	1008255	.
81	1	U4	ADJ DC DC Converter	Texas Instruments	LM3671MF-ADJ	Farnell InOne	1008256	.
82	1	U3	MIC5232-1.2YD5	MICREL SEMICONDUCTOR	MIC5232-1.2YD5 TR	Farnell InOne	2219102	.
83	1	U5	MIC2005A-2YM6	MICREL SEMICONDUCTOR	MIC2005A-2YM6 TR	Farnell InOne	2293445	.
84	1	IC11	JN5168	NXP	JN5168	NXP	JN5168	.
85	1	RESET	Switch push button Tactile Right Angle 3.85mm	Multicomp	MCDTSA6-2K	Farnell InOne	9471839	.
86	2	BUT1, BUT2	Switch push button Tactile Right Angle 8.35mm	Multicomp	MCDTSA6-5K	Farnell InOne	9471790	.
87	1	IC9	H27U1G8F2BTR	Hynix	H27U1G8F2BTR-BC	Farnell InOne	1712424	.
88	1	IC4	24LC256	Microchip	24LC256-I/ST	Farnell InOne	1296579	.
89	1	USB	USB Type A R/A	TE connectivity/AMP	292336-1	Farnell InOne	1076667	.
90	1	Q4	Crystal SMD FC-135 32.768 kHz	EPSON TOYOCOM	Q13FC1350000301	Farnell InOne	1278036	.
91	1	Q5	Crystal SMD TSX-3225 13 MHz	AKER	C3E-13.000-12-1010-X	Farnell InOne	1640976	.
92	1	Q12	Crystal 32 MHz	AEL	X32M000000S039A	AEL	X32M000000S039A	.
93	1	JTAG	10W SMT R/A 1.27mm	Harwin	M50-3600542	Farnell InOne	1022310	.
94	1	EXT	20W SMT R/A 1.27mm	Harwin	M50-3601042	Farnell InOne	1022311	.
95	1	UART5	6W SMT 2.54mm	Global Connector	BG055-06A-1-0450-0530-0350-L-D	Farnell InOne	1798988	.
96	1	J_UART1	HEADER, SMD, 6WAY Vertical	Global Connector	BD075-06-A-1-L-D	Farnell InOne	1798817	.
97	1	Q201	ASEMPC-50.000MHZ	Abracon	ASEMPC-50.000MHZ-LR-T	Mouser	815-ASEMPC-50LR-T	.
98	1	PROG	Switch push button	OMRON	B3S-1000	Farnell InOne	177807	.
99	1	RF	RP SMA R/A	Amphenol	132136RP	Farnell InOne	2144525	.
		C19, C74, C75, C76, C77, C88, C89, C90, C91, R8, R10, R11, R15, R19, R29, R32, R38, R39, R47, R62, R86, R87, R91, R93, R107, R108, R128, R129, R142, R150, R151						
100	0	R151	Parts Not To Be Fitted	.	.	.	.	.

Revision	Date	Assembly	Description
0V1	11/06/2013	DR1214	IP Bridge