

Item	QTTY	Component Reference	Description	Manufacturer	Manufacturer Part	Supplier	Supplier Part	Notes
1	4	C8, C11-12, C14	Capacitor 47pF 0402 NPO	PhyComp(Yageo)	223886915479	Flint	2238-869-15479	.
2	2	C1, C13	Capacitor 10nF 0402 X7R	PhyComp(Yageo)	223878715636	Farnell InOne	301-9275	.
3	6	C2, C4-5, C9, C15-16	Capacitor 100nF 0402 X5R	Bourns Yageo	CC0402AX5R104KTR	Flint	CC0402AX5R104KTR	.
4	2	C3, C10	Capacitor 12pF 0402 COG	KEMET	C0402C120J5GACTU	Farnell InOne	1414576	.
5	2	C6-7	Capacitor 15pF 0402 COG	KEMET	C0402C150J5GACTU	Farnell InOne	1414577	.
6	1	C17	Capacitor 10uF 6.3V 0805 X5R	KEMET	C0805C106K9PAC	Farnell InOne	922-7814	.
7	1	D1	LED SMD 0603 GREEN	AVAGO TECHNOLOGIES	ASMT-RF45-AN002	Farnell InOne	1652078	.
8	1	D2	LED SMD 0603 ORANGE	AVAGO TECHNOLOGIES	ASMT-RJ45-AQ502	Farnell InOne	1710526	.
9	2	D3-4	1PS79SB30	NXP	1PS79SB30	Farnell InOne	8734097	.
10	1	FE1	Ferrite Bead (470R ~ 100MHz)	Murata	BLM18PG471SN1	Farnell InOne	1515745	.
11	1	L1	Inductor 5.1nH	muRata	LQP15MN5N1B02	Farnell InOne	1515367	.
12	1	L2	Inductor 3.9nH	muRata	LQP15MN3N9B02	Digikey	490-1131-1-ND	.
13	1	R1	Resistor 43K 0402 1%	PhyComp(Yageo)	232270674303	Farnell InOne	145-8795	.
14	1	R2	Resistor 680R_0402 1%	PhyComp(Yageo)	232270570681	Farnell InOne	923-2745	.
15	1	J1	USB Plug, Type A	LUMBERG	2410 07	Farnell InOne	1308875	.
16	1	U1	IC Serial 3V Flash SMD M25P40-AVMN6PB	Micron	M25P40-VMN6PB	Avnet	M25P40-VMN6PB	.
17	1	U2	FT232RL	FTDI	FT232RL	Farnell InOne	1146032	.
18	1	U3	JN5168	NXP	JN5168	NXP	JN5168	.
19	1	X2	Crystal SMD FC-135 32.768 kHz	EPSON TOYOCOM	Q13FC1350000301	ACAL	FC-135 32.768 KHz	.
20	1	Y1	Crystal SMD 32 MHz	AEL	X32M000000S039A	AEL	X32M000000S039A	.
21	0	C18	Parts Not To Be Fitted	.	.	.	.	.

Revision	Date	Assembly	Description
1V0.1	23/11/2012	DR1198	JN5168 USB Dongle

Item	QTTY	Component Reference (Second Source)	Description	Manufacturer	Manufacturer Part	Supplier	Supplier Part	Notes
1	4	C8, C11-12, C14	.	.	.	.	.	.
2	2	C1, C13	.	.	.	.	.	.
3	6	C2, C4-5, C9, C15-16	.	.	.	.	.	.
4	2	C3, C10	.	.	.	.	.	.
5	2	C6-7	.	.	.	.	.	.
6	1	C17	.	.	.	.	.	.
7	1	D1	.	.	.	.	.	.
8	1	D2	.	.	.	.	.	.
9	2	D3-4	.	.	.	.	.	.
10	1	FE1	.	.	.	.	.	.
11	1	L1	.	.	.	.	.	.
12	1	L2	.	.	.	.	.	.
13	1	R1	.	.	.	.	.	.
14	1	R2	.	.	.	.	.	.
15	1	J1	.	.	.	.	.	.
16	1	U1	IC Serial 3V Flash W25X40BLSNIG	Winbond	W25X40BLSNIG	Avnet	W25X40BLSNIG	.
17	1	U2	.	.	.	.	.	.
18	1	U3	.	.	.	.	.	.
19	1	X2	.	.	.	.	.	.
20	1	Y1	Crystal 32 MHz (extended temp)	EPSON TOYOCOM	X1E000021016700	ACAL	TSX-3225 32MHz	.
21	0	C18

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