


Build BOM: EVB-USB2514Q36-BAS Evaluation Board with Basic Feature Set							
				Revision A1	(Bobby)		
						Revised: February 14, 2007	
Item	Qty	Qty Pop'd	Ref. Des.	Description	Manufacturer	Part Number	Notes
1	4	4	C3,C16,C18,C22	Capacitor, 1.0uF, 16VDC, 10%, X5R, 0603	Panasonic	ECJ-1VB1C105K	
2	15	15	C5,C6,C7,C8,C10,C11,C12,C13,C15,C17,C27,C28,C29,C30,C31	Capacitor, 0.1uF, 25V, 10%, X7R, 0603	Panasonic	ECJ-1VB1E104K	
3	2	2	C9,C14	Capacitor, 33pF, 50V, 5%, NPO, 0603	Yageo America	0603CG330J9B200	
4	2	2	C19,C20	Capacitor, 4.7uF, 6.3VDC, 20%, X5R, 0603	Panasonic	ECJ-1VB0J475M	
5	1	1	C21	Capacitor, 0.01uF, 16V, 10%, X7R, 0603	Panasonic	ECJ-1VB1C103K	
6	4	4	C23,C24,C25,C26	Capacitor, 47uF, 16VDC, 20%, Aluminum, SMT, 5mm x 6mm	Panasonic	EEV-FK1C470UR	
7	4	4	J1,J2,J3,J4	Receptacle, USB, Style A, Right Angle, Through-hole	AMP	787616-1	
8	1	1	J5	Receptacle, USB, Style B, Right Angle, Through-hole	AMP	787780-1	
9	1	1	J6	Connector, Power Jack, 2.0mm, 12V, 4A, Right Angle, TH	Cui Stack	PJ-002AH	
10	4	4	LED1,LED2,LED3,LED4	LED, Green, 3mm, Diffused, Right Angle	Lumex	SSF-LXH103GD	
11	1	0	LED5	LED, Orange, 5mm, TH, Right Angle	Dialight	550-2505	Do not Populate
12	5	5	R1,R2,R3,R4,R12	Resistor, 330, 5%, 1/16W, 0603	Yageo America	9C06031A3300JLHFT	
13	7	7	R5,R6,R7,R9,R11,R13,R14	Resistor, 100K, 5%, 1/16W, 0603	Yageo America	9C06031A1003JLHFT	
14	1	1	R8	Resistor, 12.0K, 1%, 1/16W, 0603	Yageo America	9C06031A1202FKHFT	
15	1	1	R10	Resistor, 1Meg, 5%, 1/16W, 0603	Yageo America	9C06031A1004JLHFT	
16	9	0	R27,R28,R29,R30,R31,R32,R33,R34,R36	Resistor, 10K, 5%, 1/16W, 0603	Yageo America	9C06031A1002JLHFT	Do not Populate
17	1	0	R37	Resistor, 1K, 5%, 1/16W, 0603	Yageo America	9C06031A1001JLHFT	Do not Populate
18	1	1	U1	IC, USB2514, 4 Port USB 2.0 Hub, QFN36	SMSC	USB2514-HZx	
19	2	2	U2,U3	IC, MIC2026-1BM, Power Distribution Switch, SO-8	Micrel	MIC2026-1BM	For EVBs populated with USB2514 revision A0 MIC2026-2BM is used.
20	1	1	U4	IC, PQ1L333M2SP, Voltage Regulator, 3.3V, 300mA, Low Dropout, 900mW, SOT-89-5	Sharp	PQ1L333M2SP	
21	1	1	Y1	Crystal, 24.000MHz, 50ppm, 18pF, HC-49SMT	Citizen America	HCM49-24.000MABJT	Murata Ceralock is also acceptable
22	1	1	PCB Fab	PCB, EVB-USB2514QFN36, Rev. A		EVB-USB2514QFN36, Rev. A	
23	1	1	Assembly	Assembly, EVB-USB2514QFN36, Rev. A		EVB-USB2514QFN36, Rev. A	