

Bill Of Materials

Name: BS-G66CP ASSY Materials list

date: 2008. 7. 08

item	component name	spec & type	component position	substitute materials	remark
一、	SMT				
		BS-G66CP-1/3/5/6 V:1.0 SMT complete			
1	stick resistance	resistance/stick, common, 0 Ω , $\pm 5\%$, 1/8W, 0805	L13 D19		
		resistance/stick, common, 0 Ω , $\pm 5\%$, 1/16W, 0402	R22, R23, R25, R26, R33, R34, R36, R40, R54, R61, R77, R97, R103, R110, R149, R193, R235 R251, G_R1, G_R14		
		resistance/stick, common, 2 Ω , $\pm 5\%$, 1/16W, 0402	R21, R24, R122		
		resistance/stick, common, 6.8 Ω , $\pm 5\%$, 1/16W, 0402	R321		
		resistance/stick, common, 22 Ω , $\pm 5\%$, 1/16W, 0402	R55, R124		
		resistance/stick, common, 33 Ω , $\pm 5\%$, 1/16W, 0402	R32, R88, R89, R90, R91		
		resistance/stick, common, 100 Ω , $\pm 5\%$, 1/16W, 0402	G_R4, G_R5, G_R6		
		resistance/stick, common, 510 Ω , $\pm 5\%$, 1/16W, 0402	R43, R185		
		resistance/stick, common, 1.5K Ω , $\pm 5\%$, 1/16W, 0402	R8		
		resistance/stick, common, 2K Ω , $\pm 5\%$, 1/16W, 0402	R29, R30, R170		
		resistance/stick, common, 3K Ω , $\pm 5\%$, 1/16W, 0402	R171		
		resistance/stick, common, 15K Ω , $\pm 5\%$, 1/16W, 0402	R6, R7		
		resistance/stick, common, 20K Ω , $\pm 1\%$, 1/16W, 0402	R85		
		resistance/stick, common, 33K Ω , $\pm 5\%$, 1/16W, 0402	R31 G_R2		
		resistance/stick, common, 62.5K Ω , $\pm 1\%$, 1/16W, 0402	R86		
		resistance/stick, common, 91K Ω , $\pm 5\%$, 1/16W, 0402	R37		
		resistance/stick, common, 100K Ω , $\pm 5\%$, 1/16W, 0402	R1, R2, R4, R12, R13, R14, R15, R16, R28, R108, R111, R121, R182 R183 R217, R285		
		resistance/stick, common, 200K Ω , $\pm 5\%$, 1/16W, 0402	R44, R234		
		resistance/stick, common, 470K Ω , $\pm 5\%$, 1/16W, 0402	R76		
		resistance/stick, common, 1M Ω , $\pm 5\%$, 1/16W, 0402	R41, R179		
		resistance/stick, common, 2M Ω , $\pm 5\%$, 1/16W, 0402	R42		
		resistance/stick, common, 10K Ω , $\pm 5\%$, 1/8W, 0402	R11, R17, R18, R20, R38, R45 R46, R48, R50, R51 R52 R53 R60, R65, R92, R94, R123, R184, R190, R200, R220, R221, R222, R223, R232, R246		
	stick rank resistance	resistance/stick, rank resistance, 8P4R, 10 Ω , $\pm 5\%$, 1/16W, 0402	RA10 RA11 RA12 RA13 RA14 RA15		
		resistance/stick, rank resistance, 8P4R, 22 Ω , $\pm 5\%$, 1/16W, 0402	RA7 RA8 RA9 RA16 RA17 RA18		

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2	capacitance	capacitance/stick, figuline, 4.7nF, 10V, X7R, $\pm 10\%$, 0402	C114 C115 C116 C117		
		capacitance/stick, figuline, 10nF, $\pm 5\%$, 10V, X7R 0402	C72, C218, G_C7, G_C9, G_C11, G_C13, G_C14, G_C16, G_C17, G_C18, G_C25, G_C26		
		capacitance/stick, figuline, 100nF, 10V, X7R, $\pm 10\%$, 0402	C4, C6, C7, C9, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C35, C36, C37, C38, C39, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C58, C65, C66, C69, C70, C73, C78, C79, C82, C108, C109, C138 C146, C159, C164 C210 C211, C214, C222, C229 C252, C		
		capacitance/stick, figuline, 1.8pF, 50V, COG, $\pm 0.25\text{pF}$, 0402	G_C6		
		capacitance/stick, figuline, 10pF, 50V, COG, $\pm 0.25\text{pF}$, 0402	G_C8		
		capacitance/stick, figuline, 12pF, 10V, COG, $\pm 5\%$, 0402	C2 C33		
		capacitance/stick, figuline, 20pF, 10V, COG, $\pm 5\%$, 0402	C1, C32		
		capacitance/stick, figuline, 22pF, 10V, COG, $\pm 5\%$, 0402	G_C2, G_C3, G_C10		
		capacitance/stick, figuline, 33pF, 10V, X7R, $\pm 5\%$, 0402	C129 C130 C131		
		capacitance/stick, figuline, 100pF, 50V, X7R, $\pm 5\%$, 0402	C3, C5, C8, C10, C11, C254, C256 G_C1, G_C22		
		capacitance/stick, figuline, 220pF, 10V, X7R, $\pm 10\%$, 0402	G_C12		
		capacitance/stick, figuline, 1uF, 10V, X7R, $\pm 10\%$, 0603	C161 C163 C169 C262 C263 C264 C265 C266 C267		
		capacitance/stick, figuline, 2.2uF, 10V, X5R, $\pm 10\%$, 0603	C52 G_C23, G_C24		
		capacitance/stick, figuline, 1uF, 16V, X7R, $\pm 10\%$, 0805	C34, C40, C86, C110, C111, C165, C167, C168, C215, C217, C219		
		capacitance/stick, figuline, 4.7uF, 10V, X7R, $\pm 80\%$ - 20%, 0805	C57 C162 C170 C172 C173 C195		
2	stick capacitance	capacitance/stick, tantalum capacitance, 2.2uF, 35V, $\pm 10\%$, 3528	C251		
		capacitance/stick, tantalum capacitance, 10uF, 10V, $\pm 10\%$, 3216	C54, C74, C77, C80		
		capacitance/stick, tantalum capacitance, 22uF, 6.3V, $\pm 10\%$, 3216	C166, C193 C196, C232		
		capacitance/stick, tantalum capacitance, 47uF, 10V, $\pm 10\%$, 3528	C158		
		capacitance/stick, tantalum capacitance, 100uF, 10V, $\pm 10\%$, 3528	C160		
3	stick inductance	inductance/stick, 10nH, 0402, $\pm 5\%$	G_L3		
		inductance/stick, 47nH, 0402, $\pm 5\%$	G_L1, G_L2		
		inductance/power, WBD3D16#2R2M-R, 2.2uH, $\pm 30\%$, 1.2A	L17, L19		
		inductance/power, WBD3D16#220N-R, 22uH, $\pm 30\%$, 404mA	L12		
4	stick bead	magnetism bead/stick, BLM21BB471SN, 200mA, $\pm 25\%$, 0805	FB5 FB6		

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4	stick bead	magnetism bead/stick, BLM18BA220SN, 500mA, $\pm 25\%$, 0603	L15, L16, L29, L30, L31, FB3 FB4 FB10, G_BD1, G_BD2		
5	stick crystals	crystal shake /resonance, 12.0000MHz, Crystal, $\pm 20\text{ppm}$, stick	Y1	crystal shake /resonance, 12.0000MHz, Crystal, $\pm 20\text{ppm}$, 5*3.2 stick	
		crystal shake /resonance, 32.768KHz, Crystal, $\pm 20\text{PPM}$, 12.5pF, stick EPSON MC-146	Y2		
		crystal shake/filter, 1575.42 MHz, 2.5*2.0, $\pm 1\text{MHz}$, TST TA0295A	FL1		
		crystal shake /resonance, 16.367667MHz, OSCI, $\pm 0.5\text{PPM}$, 3.2*2.5, KDS, stick	G_Y1		

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6	stick diode/audion	diode/stick, SD12, SOD-323N	D17		
		diode/stick, SS14, DO-214AC	D3		
		diode/stick, RB161VA-20TR	D21		
		steady voltage, MMBZ5232B, SOT-23 FAIRCHILD	D11		
		audion/stick, NPN, MMBT3904, SOT-23	Q3 Q5 Q6 Q12, Q13		
7	stick mosfet	mosfet/stick, ME2302, SOT-23	Q9		
		mosfet/stick, ME2301, SOT-23	Q10 Q14 Q18 Q20		
8	stick IC	IC/stick, Atlas-III Processor, AT640, TFBGA-332LD, 372MHZ brede	U1		
		IC/stick, ALC5611D-GR, Audio, QFN48, Realtek	U6		
		IC/stick, K9F1208UOM-PCB0, TSOP48, Samsung	NAND1	IC/stick, HY27US08121A, TSOP48, HYNIX	
		IC/stick, IT6213C33, SOT-23-5, brede	G_U4		
		IC/stick, SN74LVC1G3157, SC706 brede	U5 U7		
		IC/stick, SE4110L, QFN24 4x4, brede	G_U1		
		IC/stick, K4S561632H-UC75, SDRAM, TSOP54, brede	U3, U4	IC/stick, W9825G6DH-75, SDRAM, TSOP54, brede	
		IC/stick, BS4024 S0-8, brede or tube	U12		
		IC/stick, IT92101, TQFN44-24, brede	U16		
		IC/stick, IT6213B12, SOT-23-3, brede	U17		
		IC/stick, IT6213A33, SOT-23-3, brede	U20		
9	stick jack	socket, Wafer, 2 pin, 1.0mm	LS1		
		socket, Wafer, 4PIN 1.00mm	BAT1		
		socket/USB socket, MINI USB 5P	J2		
		socket, FPC, 54 PIN, 0.5mm, for LCD	P3		
		socket, FPC, 4 PIN, 1.0mm, for touch panel	CN10		
		socket/SD trough, SDC009-A0-2274	P2		
10	stick switch	switch/dial SK-004	SW4		
11	stick LED	switch/button, IT1205SMD, stick	SW2 S2		
		shine/LED, xy-0805R&G100-50H, RED&GREEN	LED1		
12	shielding	G56C/RF shielding, tin			
		G66C-3/load shielding, tin			
		G66C-3/CPU shielding, tin			
12	PCB	PCB/main board, BS-G66CP V1.0 8layers, glass fibre, 74mmX68mmX1.0mm			
二 DIP					
1	shielding	G53C/RF shielding, tin			
2	shielding	G66C-3/load shielding, tin			
3	shielding	G66C-3/CPU shielding, tin			

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