



Bill of Material C04-6H_BOM_01.xls

Last Rev.: 16.07.2010 furrer

Corresponding Schematic: c04-6h_01.pdf

Review Report: GPS.G6-HW-10076

Part 1 / 2: Detailed Bill of Material

Article Number		Description									
C04-6H		Smart Antenna with LEA-6H and 25mm x 25mm Patch Antenna									
Line	Ref-Des	u-blox Code	Description	Release Status	Remarks	X Pos	Y Pos	Angle	Type	Side	
Regular Components											
1	B1	UBXH03-0001004	BATTERY PANASONIC ML621S 3V	Released			4384.00	25474.00	0.00	SMT TOP	
2	C1	UBXH01-3001001	CAP CER X5R 1210 10U 10% 10V	Released			29519.00	6275.00	270.00	SMT TOP	
3	C12	UBXH01-2021002	CAP CER X5R 0402 100N 10% 10V	Released			12282.00	24576.00	90.00	SMT TOP	
4	C13	UBXH01-0008013	CAP CER COG 0402 8P2 +/-0.5P 25V	Released			11833.00	21884.00	180.00	SMT TOP	
5	C14	UBXH01-2021002	CAP CER X5R 0402 100N 10% 10V	Released			7058.00	23589.00	270.00	SMT TOP	
6	C15	UBXH01-0008013	CAP CER COG 0402 8P2 +/-0.5P 25V	Released			9569.00	25090.00	90.00	SMT TOP	
7	C16	UBXH01-0008013	CAP CER COG 0402 8P2 +/-0.5P 25V	Released			12610.00	26980.00	0.00	SMT TOP	
8	C2	UBXH01-0047020	CAP CER X7R 0603 10N 10% 25V	Released			20285.00	6948.00	90.00	SMT TOP	
9	C3	UBXH01-3001001	CAP CER X5R 1210 10U 10% 10V	Released			15591.00	8328.00	270.00	SMT TOP	
10	D1	UBXH07-0005001	DIODE SCHOTTKY INFINEON BAS70-04W 70V 0.07A	Released			10043.00	16646.00	90.00	SMT TOP	
11	F1	UBXH22-0014001	SAW FILTER FOR GPS EPCOS B7839	Released			10394.00	26996.00	180.00	SMT TOP	
12	FB1	UBXH08-0051001	FERRITE BEAD MURATA BLM15HD 0402 1000R @ 100MHZ	Released			33079.00	7151.00	90.00	SMT TOP	
13	FB2	UBXH08-0051001	FERRITE BEAD MURATA BLM15HD 0402 1000R @ 100MHZ	Released			34533.00	7178.00	90.00	SMT TOP	
14	J1_1		DO NOT INSTALL								
15	J1_10		DO NOT INSTALL								
16	J1_2		DO NOT INSTALL								
17	J1_3		DO NOT INSTALL								
18	J1_4		DO NOT INSTALL								
19	J1_5		DO NOT INSTALL								
20	J1_6		DO NOT INSTALL								
21	J1_7		DO NOT INSTALL								
22	J1_8		DO NOT INSTALL								
23	J1_9		DO NOT INSTALL								
24	J3		DO NOT INSTALL								
25	J4		DO NOT INSTALL								
26	L3	UBXH09-4002030	IND MURATA LQG15H 0402 27N 5% 0.3A	Released			14103.00	26322.00	90.00	SMT TOP	
27	L4	UBXH09-2002024	IND MURATA LQP15M 0402 9N1 +/-0.1N 0.1A -40/+85C	Released			9427.00	21846.00	180.00	SMT TOP	
28	R10	UBXH18-0007033	RES THICK FILM CHIP 0603 22R 5% 0.1W -55/+125C	Released			13864.00	12347.00	0.00	SMT TOP	
29	R3	UBXH18-0007073	RES THICK FILM CHIP 0603 1K0 5% 0.1W	Released			6568.00	18254.00	0.00	SMT TOP	
30	R4		DO NOT INSTALL								
31	R4A	UBXH18-0003001	RES THICK FILM CHIP 0603 0R 0 0.1W	Released			12892.00	15864.00	180.00	SMT TOP	
32	R4B		DO NOT INSTALL								
33	R9	UBXH18-0007033	RES THICK FILM CHIP 0603 22R 5% 0.1W -55/+125C	Released			13864.00	13844.00	0.00	SMT TOP	
34	U1	UBXH12-0012005	LOW DROPOUT REGULATOR LINEAR LT1962 MS8 3.3V 0.3A	Released			23991.00	6470.00	0.00	SMT TOP	
35	U2	UBXH14-0000006	GPS RECEIVER U-BLOX LEA-6H-0 3.6V -40/+85C	Released			26100.00	18752.00	0.00	SMT TOP	
36	U3	UBXH07-0041031	USB DATA LINE PROTECTION ST USB6B1 SO8	Released			9182.00	11999.00	0.00	SMT TOP	
37	U4	UBXH02-0001002	ANTENNA PATCH THT 25mm x 25mm INPAQ 1589MHZ	Released			17800.00	18600.00	180.00	THT BOT	
38	U8	UBXH12-0000011	LOW NOISE AMPLIFIER GAAS MMIC 1.575 GHZ 1.5V-3.6V JRC EPFFP6-A2 3.6V -40/+85C	Released			9242.00	23255.00	90.00	SMT TOP	
Additional Components											
1		UBXH60-0000011	PCB FOR C04-6H -40/+85	Released							
2		UBXH61-0000000	SOLDER PASTE OM338 SAC405	Released							
Total:		26									



Bill of Material C04-6H_BOM_01.xls

Last Rev.: 16.07.2010
Review Report: GPS.G6-HW-10076

Corresponding Schematic: c04-6h_01.pdf

Part 2 / 2: **Summary Bill of Material**

Article Number C04-6H	Description Smart Antenna with LEA-6H and 25mm x 25mm Patch Antenna
---------------------------------	---

Summary:

#	Ref-Des	u-blox Code	Description	Release Status	Remarks
Regular Components					
1	B1	UBXH03-0001004	BATTERY PANASONIC ML621S 3V	Released	
2	C1 C3	UBXH01-3001001	CAP CER X5R 1210 10U 10% 10V	Released	
2	C12 C14	UBXH01-2021002	CAP CER X5R 0402 100N 10% 10V	Released	
3	C13 C15 C16	UBXH01-0008013	CAP CER COG 0402 8P2 +/-0.5P 25V	Released	
1	C2	UBXH01-0047020	CAP CER X7R 0603 10N 10% 25V	Released	
1	D1	UBXH07-0005001	DIODE SCHOTTKY INFINEON BAS70-04W 70V 0.07A	Released	
1	F1	UBXH22-0014001	SAW FILTER FOR GPS EPCOS B7839	Released	
2	FB1 FB2	UBXH08-0051001	FERRITE BEAD MURATA BLM15HD 0402 1000R@100MHZ	Released	
1	L3	UBXH09-4002030	IND MURATA LQG15H 0402 27N 5% 0.3A	Released	
1	L4	UBXH09-2002024	IND MURATA LQP15M 0402 9N1 +/-0.1N 0.1A -40/+85C	Released	
2	R10 R9	UBXH18-0007033	RES THICK FILM CHIP 0603 22R 5% 0.1W -55/+125C	Released	
1	R3	UBXH18-0007073	RES THICK FILM CHIP 0603 1K0 5% 0.1W	Released	
1	R4A	UBXH18-0003001	RES THICK FILM CHIP 0603 0R 0 0.1W	Released	
1	U1	UBXH12-0012005	LOW DROPOUT REGULATOR LINEAR LT1962 MS8 3.3V 0.3A	Released	
1	U2	UBXH14-0000006	GPS RECEIVER U-BLOX LEA-6H-0 3.6V -40/+85C	Released	
1	U3	UBXH07-0041031	USB DATA LINE PROTECTION ST USB6B1 SO8	Released	
1	U4	UBXH02-0001002	ANTENNA PATCH THT 25mm x 25mm INPAQ 1589MHZ	Released	
1	U8	UBXH12-0000011	LOW NOISE AMPLIFIER GAAS MMIC 1.575 GHZ 1.5V-3.6V JRC EPFP6-A2 3.6V -40/+85C	Released	
Additional Components					
1		UBXH60-0000011	PCB FOR C04-6H -40/+85	Released	
1		UBXH61-0000000	SOLDER PASTE OM338 SAC405	Released	
Total:		26			