Bill of Materials C209-V2 R2-BOM-5.xls Last Rev: 02-June-2021 blox Corresponding Schematic: C209 Schematic.pdf Review Report: Part 1/1: Detailed Bill of Materials asoh Description Project name C209 C209 Rev.A Part Number UBXHXX-XXXXXXX SHORT RANGE BLE MODULE U-BLOX NINA-B406-00B u-blox NINA-B406-00B 26600 COIN CELL. HOLDER MPD (Memory Protection Devices) BU2032SM-BT-GTR 90 TOP 2 BAT1 UBXHXX-XXXXXXX 27300 15605 CAP CER X7R 0603 100N 10% 50V Samsung Electro-Mechanics UBXH01-2022001 3 C1 CL10B104KB8NFNC 32515 -1325 90 BOT Murata Manufacturing Company, 4 C2 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V I td GRM033R61A104KE84 23630 115 0 BOT Murata Manufacturing Company 5 C3 UBXH01-0001022 CAP CER COG 0201 47P 5% 25V GRM0335C1E470JA01 180 BOT Ltd. 26220 1000 Murata Manufacturing Company, 6 C4 UBXH01-0000243 CAP CER X5R 0402 4U7 20% 10V GRM155R61A475MEAA 23230 0 BOT Murata Manufacturing Company, 28820 7 C5 LIBXH01-0001022 CAP CFR COG 0201 47P 5% 25V I td. GRM0335C1E470.IA01 1000 0 BOT Murata Manufacturing Company, 8 C6 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 14900 -425 270 BOT Murata Manufacturing Company, 9 C7 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 39700 -425 270 BOT Murata Manufacturing Company CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 10 C8 UBXH01-0000245 I td 23220 4220 180 BOT Murata Manufacturing Company, 11 C9 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 35100 90 BOT 26990 Murata Manufacturing Company, 12 C10 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V I td GRM033R61A104KE84 35100 25350 270 BOT Murata Manufacturing Company, 13 C11 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 15850 6300 180 BOT Ltd. Murata Manufacturing Company, 14 C12 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 18450 5450 0 вот Murata Manufacturing Company, 15 C13 LIBXH01-0000245 CAP CER X5R 0201 100N 10% 10V I td GRM033R61A104KE84 28135 9070 90 BOT CAP CER X5R 1206 4U7 10% 16V Samsung Electro-Mechanics 16 C14 UBXHXX-XXXXXXX CI 31A475KOCI NNC 15700 4000 90 BOT Murata Manufacturing Company, 17 C17 UBXH01-0000245 CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 33275 23850 270 BOT Murata Manufacturing Company CAP CER X5R 0201 100N 10% 10V GRM033R61A104KE84 18 C18 LIBXH01-0000245 I td 31975 23850 270 BOT CAP CER X5R 0201 1U0 10% 6.3V 19 C19 UBXH01-0000272 AVX 02016D105KAT2A 37305 9980 90 BOT DIODE SCHOTTKY 30V 200mA ON Semiconductor UBXHXX-XXXXXXX NSR0230M2T5G 22920 3470 180 BOT 21 DS1 UBXH11-0000019 SMLP36 RGB LED RGB 3.1V ROHM SMI P36RGB1W3 38700 7500 180 BOT 22 FB1 UBXH08-0000036 FERRITE BEAD, 0402, 600 OHM AT 100MHZ 600OHM TDK Corporation MMZ1005A601ET000 23280 1915 180 BOT CON USB RECEPTACLE MICRO B TYPE SMD 5P REVERSE TOP UBXH04-0000168 23 J1 Hirose ZX62R-B-5P 27300 -3900 0 BOT 2-ROWS SMD-PCB CONNECTOR 50MIL GRID 10 PINS 0.41MM 24 J2 UBXH04-0000194 SQUARE 4.0MM KEYED FTSH-105-01-L-DV-K 19125 24430 180 BOT 25 J3 DO NOT INSTALL 26 .14 DO NOT INSTALL DO NOT INSTALL 27 J5 28 J6 DO NOT INSTALL 29 J7 DO NOT INSTALL P-CHANNEL MOSFET 1V GATE RATED SOT23 30 Q1 UBXHXX-XXXXXXX Toshiba Semiconductor and Storage SSM3J378R,LF 18700 RES THICK FILM CHIP 0201 27R 5% Samsung Flectro-Mechanics 31 R2 LIBXH18-0000470 RC0603.1270CS 27195 1275 270 BOT 32 R3 UBXH18-0000470 RES THICK FILM CHIP 0201 27R 5% Samsung Electro-Mechanics RC0603J270CS 27845 1275 270 BOT 33 R5 UBXH18-0003002 RES THICK FILM CHIP 0402 0R 0 RK73Z1ETTD 31600 5990 180 BO 34 R6 35 R7 UBXH18-0003002 RES THICK FILM CHIP 0402 0R 0 KO/ RK73Z1FTTD 31600 4090 180 BOT RES THICK FILM CHIP 0402 0R 0 KOA LIBXH18-0003002 RK7371FTTD 31600 5040 180 BOT 36 R8 UBXH18-0003002 RES THICK FILM CHIP 0402 0R 0 KOA RK73Z1FTTD 31600 180 BOT 3140 UBXH18-0000007 RES THICK FILM CHIP 0201 1K0 59 KOA RK73B1HTTC102 38250 90 BOT UBXH18-0000007 RES THICK FILM CHIP 0201 1K0 5% KOA RK73B1HTTC102J 38150 9650 270 BOT 39 R11 LIBYH18-0000027 RES THICK FILM CHIP 0201 2K7 5% KOA RK73B1HTTC272J 38700 9650 270 BOT 40 R12 RES THICK FILM CHIP 0402 0R 0 RK73Z1ETTD LIBXH18-0003002 KOA 38085 27690 180 BOT UBXH18-0003002 RES THICK FILM CHIP 0402 0R 0 RK73Z1FTTD 41 R13 KOA 38085 180 BOT 24240 RES THICK FILM CHIP 0402 0R 0 KOA UBXH18-0003002 RK73Z1ETTD 32100 29255 270 BOT 43 R15 UBXH18-0003002 RES THICK FILM CHIP 0402 0R 0 KOA RK73Z1ETTD 31150 29255 270 BOT 44 R16 LIBXH18-0003002 RES THICK FILM CHIP 0402 0R 0 KOA RK73Z1FTTD 19250 18400 180 BOT 45 R17 RES THICK FILM CHIP 0603 10M 5% KOA RK73B1.ITTD106.I LIBXH18-0007169 33890 -1325 270 BOT UBXH18-0001097 RES THICK FILM CHIP 0201 10K 5% KOA RK73B1HTTC103J 20505 90 BOT 47 R19 DO NOT INSTALL RES THICK FILM CHIP 0201 10K 5% RK73B1HTTC103J 37300 48 R20 UBXH18-0001097 KOA 4800 180 BOT RES THICK FILM CHIP 0402 0R 0 49 R22 UBXH18-0003002 KOA RK73Z1ETTD 34290 10655 270 BOT UBXH18-0003002 RES THICK FILM CHIP 0402 0R 0 KOA RK73Z1FTTD 50 R23 35450 10655 270 BOT 51 R24 UBXH18-0001089 RES THICK FILM CHIP 0201 4K7 5% KOA RK73B1HTTC472J 26115 270 BOT 52 R25 UBXH18-0001097 RES THICK FILM CHIP 0201 10K 5% KOA RK73B1HTTC103J 24115 19530 90 BOT 53 R26 LIBXH18-0001089 RES THICK FILM CHIP 0201 4K7 5% KOA RK73B1HTTC472J 25115 19530 270 BOT PUSHBUTTON SPST SMD C&K MINATURTASTER 32V 54 S1 UBXH19-0000021 C&K Components KMR221G LFS 13000 -2200 90 BOT 55 S2 UBXH19-0000021 PUSHBUTTON SPST SMD C&K MINATURTASTER 32V C&K Components KMR221G LFS 41600 -2200 270 BOT DO NOT INSTALL 57 TP2 DO NOT INSTALL 58 TP3 DO NOT INSTALL 59 TP4 DO NOT INSTALL DO NOT INSTALL 60 TP5

DO NOT INSTALL

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62	2 TP7		DO NOT INSTALL								
60	TP8		DO NOT INSTALL								
64	1 TP9		DO NOT INSTALL								
6	5 TP10		DO NOT INSTALL								
66	6 U2	UBXHXX-XXXXXXX	COMBINED HUUMIDITY PRESSURE AND TEMP SENSOR		Bosch	BME_280		32300	26605	270 B	
67	7 U3	UBXHXX-XXXXXXX	AMBIENT LIGHT SENSOR		Avago	APDS-9306-065		36565	7490	0 B	TO
					FTDI Future Technology Devices						
68	3 U5	UBXH05-0000098	USB INTERFACE IC USB TO BASIC SERIAL UART		International	FT234XD-T		27520	4400	180 B	OT
69	9 U6	UBXH06-0000042	TRIPLE BUFFER WITH OPEN-DRAIN OUTPUT 74LVC3G07		NXP	74LVC3G07DC		37950	13550	90 B	OT
		UBXHXX-XXXXXXX	3-AXIS ACCELEROMETER		STMicroelectronics	LIS2DW12		36720	25965	0 B	TO
7	1 U9		DO NOT INSTALL								
Additional Components		nents									
	1 PCB	UBXH60-0000622	PCB FOR C209 REV. A								
	1	UBXHXX-XXXXXXX	u-blox standard label "MAX" 7x7mm with CE mark	MAX label 7x7	Scanfil						
Total 56											
Notes											
Position units in micrometers											