ect: rce Data From: ant: BOM Report Generated:	GEMSRB03.PcbDoc GEMSRB03.PcbDoc None		NORTH POLE	<u></u>	
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ntity Designator	MFG_NAME01	MFG_PN01	Description	DNP	
C1, C2	Murata	GRM0335C1E120GA01J	CAP CER 12PF 25V NP0 0201		
C3, C4	Johanson Technology Inc.	250R05L1R2BV4T	CAP CER 1.2PF 25V C0G/NP0 0201		
C5, C7, C8, C12	Yageo	CC0201KRX5R6BB104	CAP CER 0.1UF 10V X5R 0201		
C6, C19, C20, C21	Samsung	CL05A475KP5NRNC	CAP CER 4.7UF 10V X5R 0402		
C9	Taiyo Yuden	TMK063CG821JT-F	CAP CER 820PF 25V C0G/NP0 0201		
C10, C13	Yageo	CC0201KRX5R6BB104	CAP CER 0.1UF 10V X5R 0201	DNP	
C11	KEMET	C0201C101J3GACTU	CAP CER 100PF 25V C0G/NP0 0201		
C14, C15	Samsung	CL03A105KP3NSNC	CAP CER 1UF 10V X5R 0201		
C16	Murata	GRM033R61C473ME84D	CAP CER 0.047UF 16V X5R 0201		
C17	Johanson Technology Inc.	250R05L1R8BV4T	CAP CER 1.8PF 25V C0G/NP0 0201		
E1	Yageo	ANT8010LL04R2400A	CHIP ANTENNA 2.4GHZ		
L1	Johanson Technology Inc.	L-05B3N9SV6T	FIXED IND 3.9NH 300MA 450 MOHM		
L2, L4	Taiyo Yuden	LBMF1608T100K	Inductor, 80mA, ±10%		
L3	Taiyo Yuden	HK100515NJ-T	Inductor, 320mA, ±5%		
L5	Johanson Technology Inc.	L-05B1N8SV6T	FIXED IND 1.8NH 300MA 220 MOHM		
SHLD1	NPE	NPE	GEMV3 RF SHIELD		
U1	Nordic Semiconductor	NRF52840-QIAA	Multi-protocol Bluetooth Low Energy, IEEE 802.15.4, ANT and		
X1	ECS Inc.	ECS-320-8-47-CKM-TR	CRYSTAL 32MHZ 8PF SMD		
) Z3	KEMET	CBR02C159B3GAC	CAP CER 1.5PF 25V C0G/NP0 0201	DNP	
			Total Components:	27	
		Notes	· · · · · · · · · · · · · · · · · · ·		
	C3, C4 C5, C7, C8, C12 C6, C19, C20, C21 C9 C10, C13 C11 C14, C15 C16 C17 E1 L1 L2, L4 L3 L5 SHLD1 U1 X1	C3, C4 Johanson Technology Inc. C5, C7, C8, C12 Yageo C6, C19, C20, C21 Samsung C9 Taiyo Yuden C10, C13 Yageo C11 KEMET C14, C15 Samsung C16 Murata C17 Johanson Technology Inc. E1 Yageo L1 Johanson Technology Inc. L2, L4 Taiyo Yuden L3 Taiyo Yuden L5 Johanson Technology Inc. SHLD1 NPE U1 Nordic Semiconductor X1 ECS Inc.	C3, C4 Johanson Technology Inc. 250R05L1R2BV4T C5, C7, C8, C12 Yageo CC0201KRX5R6BB104 C6, C19, C20, C21 Samsung CL05A475KP5NRNC C9 Taiyo Yuden TMK063CG821JT-F C10, C13 Yageo CC0201KRX5R6BB104 C11 KEMET C0201C101J3GACTU C14, C15 Samsung CL03A105KP3NSNC C16 Murata GRM033R61C473ME84D C17 Johanson Technology Inc. 250R05L1R2BV4T E1 Yageo ANT8010LL04R2400A L1 Johanson Technology Inc. L-05B3N9SV6T L2, L4 Taiyo Yuden LBMF1608T100K L3 Taiyo Yuden HK100515NJ-T L5 Johanson Technology Inc. L-05B1NSV6T L5 Johanson Technology Inc. L-05B1NSV6T SHLD1 NPE NPE U1 Nordic Semiconductor NRF52840-QIAA X1 ECS Inc. ECS-320-8-47-CKM-TR	C3, C4 Johanson Technology Inc. 250R05L1R2BV4T CAP CER 1.2PF 25V C0G/NP0 0201 C5, C7, C8, C12 Yageo CC0201KRX5R6BB104 CAP CER 0.1UF 10V X5R 0201 C6, C19, C20, C21 Samson CL05A475KP5NRNC CAP CER 4.7UF 10V X5R 0201 C9 Talyo Yuden TMK063CG821JT-F CAP CER 820PF 25V C0G/NP0 0201 C10, C13 Yageo CC0201KRX5R6BB104 CAP CER 0.1UF 10V X5R 0201 C11 KEMET C0201C101,3GACTU CAP CER 0.1UF 10V X5R 0201 C14, C15 Samsung CL03A105KP3NSNC CAP CER 1UF 10V X5R 0201 C16 Murata GRM033R61C473ME84D CAP CER 1UF 10V X5R 0201 C17 Johanson Technology Inc. 250R05L1R8BV4T CAP CER 1.8PF 25V C0G/NP0 0201 E1 Yageo ANT8010LL04R2400A CHIP ANTENNA 2.4GHZ L1 Johanson Technology Inc. L05B3N9SV6T FIXED IND 3.9NH 300MA 450 MOHM L2, L4 Talyo Yuden LBMF1608T100K Inductor, 80mA, ±10% L3 Talyo Yuden HK100515NJ-T Inductor, 80mA, ±10% SHLD1 NPE GEMY3 RF SHIELD U1 Nordic Semiconductor NRF52840-QIAA Multi-protocol Biletooth Low Energy, IEEE 802.15.4, ANT and X11 ECS 1.0C CAP CER 1.5PF 25V C0G/NP0 0201 Total Components:	

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