5 3 2



Board Function	Page
Title Page	1
Radio Board Interface	2
User Interface	3
EXP Header & Breakout Signals	4
Advanced Energy Monitor	5,6
Voltage Regulators	7
Debug Interface	8
Simplicity Interface	9
Logic Analyzer Front End	10
Board Controller I/O	11
Board Controller Power & Misc.	12
Board Controller USB & Ethernet	13

Revision History				
Rev.	Description			
A05	Initial release.			
A06	Changes to SW102, R746 & R784.			
A07	Replaced DMN5L06VK-7 with NX3008NBKV.			

PCB1

LEGAL NOTICE:
SILICON LABORATORIES INC. ("SILICON LABS") ANDIOR ITS LICENSORS DO NOT WARRANT THE ACCURACY
OR COMPLETENESS OF THIS SCHEMATIC OR ANY INFORMATION CONTAINED WITHIN THIS SCHEMATIC.
IT IS PROVIDED "AS-IS" FOR REFERENCE ONLY. SILICON LABS DOES NOT WARRANT THAT THIS DESIGN
WILL MEET THE SPECIFICATIONS, BE SUITABLE FOR YOUR APPLICATION OR IT FOR ANY PARTICULAR
PLAPOSE, OR WILL OFERATE IN YOUR MIPLEMENTATION. SILICON LASS AND ITS LICENSORS DO NOT
COMPLETELY VALIDATE AND TEST YOUR DESIGN IMPLEMENTATION CONFIRM. YOU SHOULT
FOR YOUR APPLICATION.

SILICON LABS Designed Approved		Board Name		
		Wireless Pro Kit Mainboard		
		Page Title Title Page		
Size Sheet Modif A3 Wednes	fied Date day, May 31, 2023	BRD4002A	A07	
COPYRIGHT SILICON LABORATORIES INC. 2023 CONFIDENTIAL – SUBJECT TO TERMS OF USE Sheet 1 of 14				

4 3 2

























