

JODY-W3 Description and Block Diagrams

Overview

The JODY-W3 family comprises compact modules based on the NXP AW690/88Q9098/88W9098 chipsets. The modules enable Wi-Fi, Bluetooth, and Bluetooth low energy communication, and are ideal for in-vehicle infotainment and telematics applications with common use cases that require high data rates, such as in-car hotspots, Wi-Fi display applications like Apple CarPlay, and video streaming across multiple clients. JODY-W3 modules can be operated in the following modes:

- Wi-Fi 1x1 and 2x2 802.11a/b/g/n/ac/ax in 2.4 GHz and 5 GHz
- Concurrent Dual Wi-Fi operation with independent MACs, supporting simultaneous Wi-Fi network operation at two different frequency bands
- Dual-mode Bluetooth 5.3, can be operated fully simultaneous with Wi-Fi

The JODY-W3 family is composed of the following variants:

Product name	Chipset	LTE Filter	FCC ID
JODY-W354-00A	NXP AW690	No	XPYJODYW374
JODY-W354-20A	NXP AW690	Yes	XPYJODYW374
JODY-W374-00A	NXP 88Q9098	No	XPYJODYW374
JODY-W374-20A	NXP 88Q9098	Yes	XPYJODYW374
JODY-W374-00B	NXP 88W9098	No	XPYJODYW374
JODY-W377-00A	NXP 88Q9098	No	XPYJODYW377
JODY-W377-00B	NXP 88W9098	No	XPYJODYW377

Block Diagrams

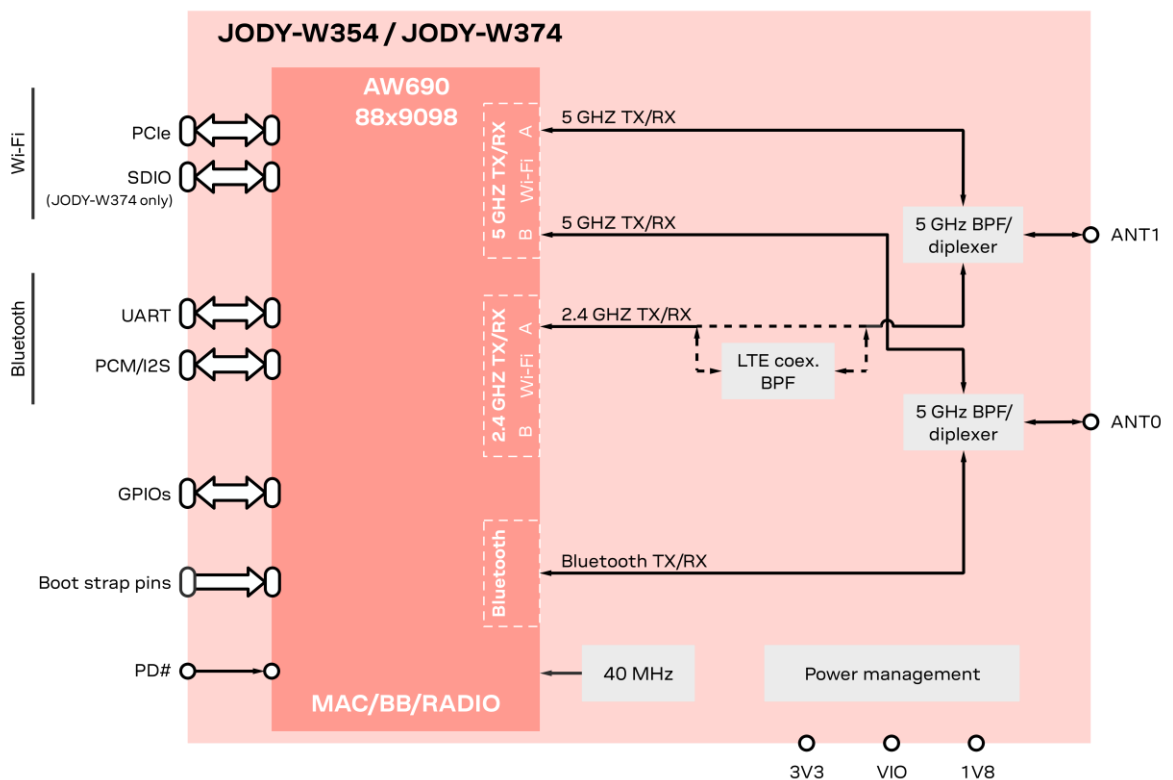


Figure 1: JODY-W354 and JODY-W374 block diagram

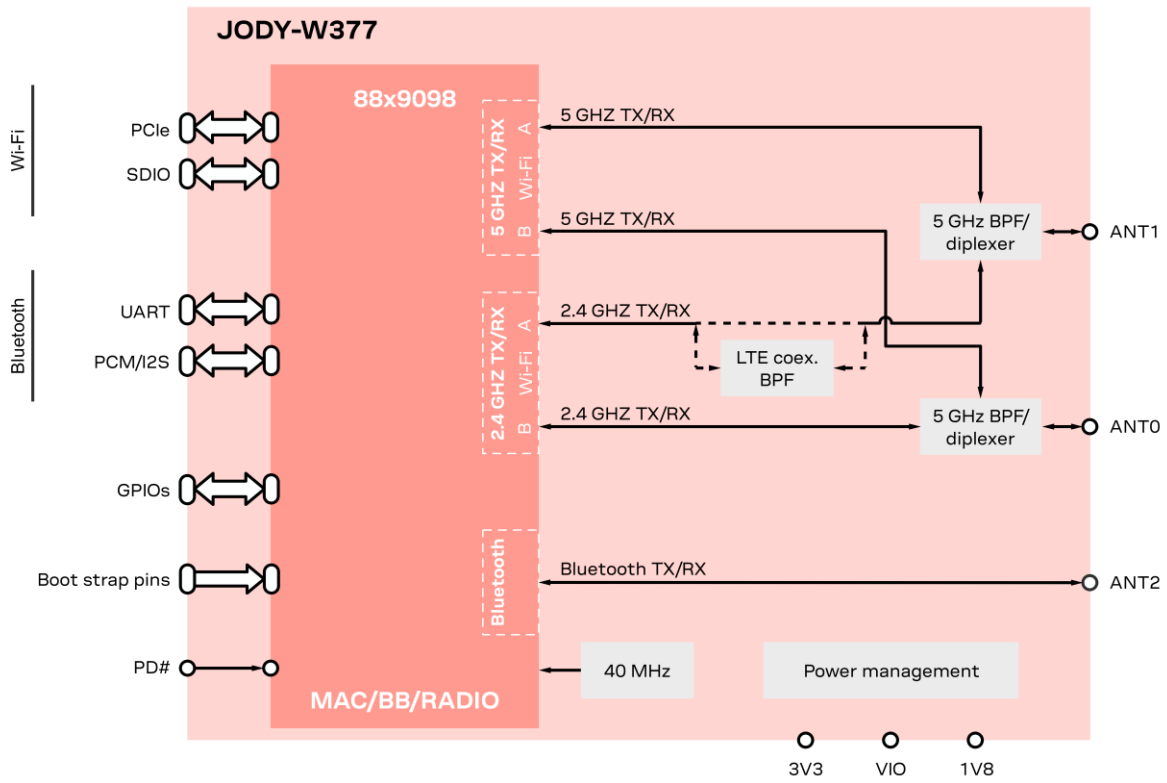


Figure 2: JODY-W377 block diagram