



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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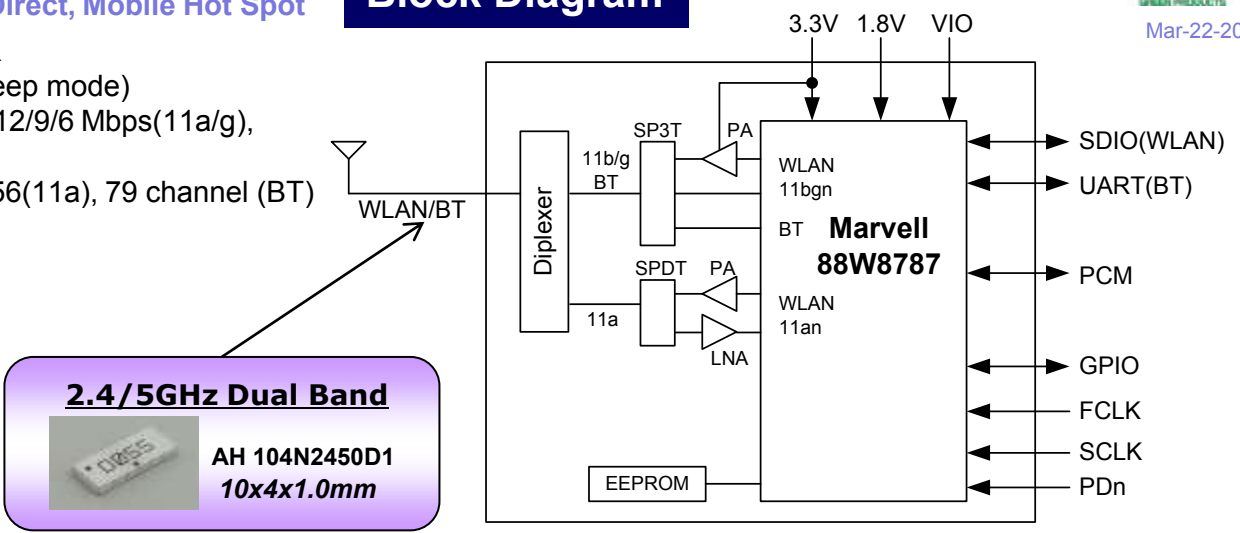
Mar-22-2011

WLAN+BT: PCB 88W8787 Module – Dual Band / BT

Features WYSBMVGXB WAPI, Wi-Fi-Direct, Mobile Hot Spot

- IEEE802.11a/b/g/n standard conformity, BT ver2.1+EDR
- Low standby current (with advanced power save and sleep mode)
- Transmit speed : 11/5.5/2/1 Mbps(11b), 54/48/36/24/18/12/9/6 Mbps(11a/g), 150~6.5 Mbps (11n)
- Channel Number : 1 to 13 channel (11bg), W52/W53/W56(11a), 79 channel (BT)
- Interface : SDIO, UART, PCM
- Multi Clock support: (19.2), 26, 38.4 MHz
- Built-in EEPROM, Diplexer, 2G-PA, 5G-PA, 5G-LNA
- Security: WEP (64/128), TKIP, AES, WPA/WPA2,WAPI
- Small Outline: 13.1 x 6.1 x 1.35(Max) mm
- Package: Metal case package
- RoHS Conformity

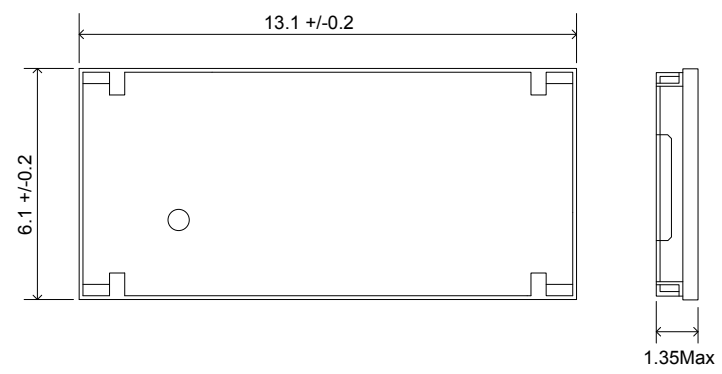
Block Diagram



General Electrical Specification

Parameter	Description	Min.	Typ.	Max.	Units
Operation Voltage (TBD)	Core_3.3V	3.2	3.3	3.6	V
	Core_1.8V	1.71	1.8	1.89	V
	VIO	1.62/2.97	1.8/3.3	1.98/3.63	V
TX Output Power (11b/g/n) (11a) (BT BR)	2G:11b/11g/11n-MCS7-40M		16/15/14		dBm
	5G:11a/11n-MCS7-40M BT		14/13 8		
RX Sensitivity (11b/g/n) (11a) (BT BR)	2G:11b/11g/11n-MCS7-40M		-87/-74/-67	-84/-71/-64	dBm
	5G:11a/11n-MCS7-40M BT		-75/-70 -86	-72/-67 -70	
TX Power Consumption	11b/11M (Duty45%)		520		mW
RX Power Consumption	11n/MCS7-HT40		242		mW
Power Consumption	Deep Sleep Mode VIO3.3V/VIO1.8V		3.0/0.81		mW
General Operation Temperature Range		-10	25	70	deg-C

Outline



Unit: mm

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