



WiFi Module

AW859A

16	SD_CMD	I/O	SDIO command line
17	SD_CLK	I/O	SDIO CLK
18	SD_DAT0	I/O	SDIO DATA0
19	SD_DAT1	I/O	SDIO DATA1
20	GND	—	Ground connections
21	NC	—	No connect, keep floating
22	VDDIO	P	I/O Voltage supply input 1.8V(only) (注意：只能使用1.8V)
23	NC	—	No connect, keep floating
24	NC	—	No connect, keep floating
25	PCM_OUT	O	PCM data output
26	PCM_CLK	I/O	PCM CLK
27	PCM_IN	I	PCM data input
28	PCM_SYNC	I	PCM sync signal
29	UART3_TX	—	No connect, keep floating
30	ESMD0	—	No connect, keep floating
31	GND	—	Ground connections
32	ESMD1	—	No connect, keep floating
33	GND	—	Ground connections
34	NC/RST_N	—	No connect, keep floating
35	ESMD2	—	No connect, keep floating
36	GND	—	Ground connections
37	NC	—	No connect, keep floating
38	RFCTL_7	—	No connect, keep floating
39	RFCTL_6	—	No connect, keep floating
40	RFCTL_5	—	No connect, keep floating
41	UART0_RTS_N	I	Bluetooth UART interface(reserved)
42	UART0_TXD	O	Bluetooth UART interface(reserved)
43	UART0_RXD	I	Bluetooth UART interface(reserved)
44	UART0_CTS_N	I	Bluetooth UART interface(reserved)

Note:

Strapping PIN:PIN38~PIN40(RFCTL7,6,5) default High (111), do not change.



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9. Supplier

Supplier list	
Name of material	Material brand
Crystal	JWT/FK/TKD/Murata/TXC
Duplexer	TDK/ACX/GLEAD/ Sunlord
Inductor	Sunlord/ CHILISIN/ SAMWHA/Murata
Wifi chip	UNISOC
LDO	SGM
Capacitance	SAMSUNG /EYANG
Resistance	UniOhm /YAGEO
PCB(12x12x0.6mm)	A,O,I

10. Physical photo



说明：PCB 有两家供应商，底层丝印略有不同