

Smart Machine Smart Decision



SIM808_V2.01-SIM808_V1.02 _HD_Comparison_V1.00

MAY 28, 2015



SIM808_V2.01 VS SIM808_V1.02 ON PIN Definition (difference)

PIN NO.	SIM808_V2.01	SIM808_V1.02
25	VCHG	VBUS
41	PWM1	PWM0
42	PWM2	PWM1
43	GPIO19	GPIO5
44	GPIO17	GPIO6



SIM808_V2.01 VS SIM808_V1.02 Function Difference

Differences	SIM808_V2.01	SIM808_V1.02
PWM NUMBER	2 PWMs, both can be configured	2 PWMs, only one can be configured one time
SD Card configuration	SD_DAT2 ——DCD (pin 11) SD_DAT3——SIM_DET (pin 33) SD_CMD——GPIO19 (pin 43) SD_CLK——GPIO17 (pin 44) SD_DAT0——SDTATUS (pin 49) SD_DAT1——NETLIGHT (pin 50)	SD_DAT2 ——PCM_IN (pin 47) SD_DAT3——PCM_OUT (pin 48) SD_CMD——PCM_CLK (pin 46) SD_CLK——PCM_SYNC (pin 45) SD_DAT0——GPIO5 (pin 43) SD_DAT1——GPIO6 (pin 44)

****Note: Due to the different platforms.***



SIM808_V2.01 VS SIM808_V1.02 Electrical Difference

Differences	SIM808_V2.01				SIM808_V1.02			
RESET VOLTAGE DOMAIN (ACTIVE LOW)	Symbol↗	Min↗	Typ↗	Max↗	Symbol↗	Min↗	Typ↗	Max↗
	V _{IH} ↗	1.2V↗	1.8V↗	3.3V↗	V _{IH} ↗	2.7V↗	2.8V↗	2.9V↗
	V _{IL} ↗	-↗	-↗	0.6V↗	V _{IL} ↗	-↗	-↗	0.6V↗
PWRKEY VOLTAGE DOMAIN (ACTIVE LOW)	Symbol↗	Min↗	Typ↗	Max↗	Symbol↗	Min↗	Typ↗	Max↗
	V _{IH} ↗	↗	3.5V↗	↗	V _{IH} ↗	↗	VBAT↗	↗
	V _{IL} ↗	-↗	-↗	0.7V↗	V _{IL} ↗	-↗	-↗	0.7V↗

****Note: Due to the different platforms.***



SIM808_V2.01 VS SIM808_V1.02

- The SIM808_V2.01 is compatible with the SIM808_V1.02.

About the detail difference in hardware design, please refer to "SIM808_Hardware Design_V1.02 " and " SIM808_Hardware Design_V1.01 ".

About the detail difference in GPS software design, please refer to "SIM800 Series_GNSS_Application Note V1.00 " and " SIM800 Series_GPS_Application Note_V1.00 ". And the GSM part has no differences, please refer to "SIM800_Series_AT_Command_Manual_V1.08".