

Smart Machine Smart Decision



SIM900-TE-C_SIM300C/340C _HD_Comparison_V1.01

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SIM900-TE-C VS SIM300C/340C

- SIM900-TE VS SIM300C/340C ON PIN Definition (difference)

PIN NO.	SIM300C/340C	SIM900-TE-C
11	VCHG	NC
13	TEMP_BAT	NC
23	BUZZER	PWM
57	SPK2P	SPK1P
58	MIC2P	MIC1P
59	SPK2N	SPK1N
60	MIC2N	MIC1N



SIM900-TE-C VS SIM300C/340C Difference

Difference	SIM300C/340C	SIM900-TE-C
POWER SUPPLY:	3.4~4.5V	3.2~4.8V
POWER ON TIME	$T_{on} > 2S$	$T_{on} > 1S$
POWER OFF TIME	$0.5S < T_{off} < 1S$	$T_{off} > 1S$
UNDER-VOLTAGE WARNING	$V_{BAT} \leq 3.5V$	$V_{BAT} \leq 3.3V$
UNDER-VOLTAGE POWER DOWN	$V_{BAT} \leq 3.4V$	$V_{BAT} \leq 3.2V$
OVER-VOLTAGE WARNING	$V_{BAT} \geq 4.5V$	$V_{BAT} \geq 4.7V$
OVER-VOLTAGE POWER DOWN	$V_{BAT} \geq 4.6V$	$V_{BAT} \geq 4.8V$
FREQUENCY BANDS	For SIM300C: 900/1800/1900 SIM340C: 850/900/1800/1900	850/900/1800/1900



Difference	SIM300C/340C	SIM900-TE-C
VRTC *	1.8V	3V
PWRKEY *	PULLED UP TO VBAT	PULLED UP TO 3V
VDD_EXT*	2.93V	2.8V
TYPICAL GPIO VOLTAGE*	$V_{IO}= 2.93V$	$V_{IO}= 2.8V$
VOLTAGE AT DIGIT PINS* (absolute maximum rating)	$V_{min}=-0.3V$ $V_{max}=3.3V$	$V_{min}=-0.3V$ $V_{max}=3.1V$
ADC0 *	0~2.4V/12bit	0~2.8V/10bit
KEYPADS	5*5	4*5
AUTOBAUDING *	1200~115200bps	1200~57600bps
DEBUG PORT *	used for debugging	used for debugging and firmware upgrading

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



SIM900-TE-C VS SIM300C/340C

- The SIM900-TE-C is pin to pin compatible with the SIM300C/340C.

About the detail difference in software design, please refer to "SIM900_SIM300_ATC_Comparison_v1.0" and "SIM900_ATC_V1.01".