

Smart Machine Smart Decision



SIM928&SIM928A&SIM968&SIM908&SIM5320 _Comparison_V1.00

March 05, 2013



The pin difference

- The PIN differences are the following:

PIN NO.	SIM928	SIM928A	SIM968	SIM908	SIM5320
4	NRESET	NRESET	NRESET	NC	NRESET
11	1PPS	1PPS	1PPS	NC	USB_VBUS
12	GPS_VCC	GPS_VCC	GPS_VCC	NC	USB_DM
13	V_BACKUP	V_BACKUP	V_BACKUP	NC	USB_DP
15	GPS_TXD	GPS_TXD	GPS_TXD	GPS/DBG_TXD	RESERVED
16	GPS_RXD	GPS_RXD	GPS_RXD	GPS/DBG_RXD	RESERVED
27	MIC2P	MIC2P	MIC2P	MIC2P	KEYSENSE_N1
28	MIC2N	MIC2N	MIC2N	MIC2N	KEYSENSE_N0
29	GPS_TXD1	GPS_TXD1	GPS_TXD1	NC	KEYPAD_0
30	GPS_RXD1	GPS_RXD1	GPS_RXD1	NC	KEYPAD_2
33	GPIO3/KBR2	GPIO3/KBR2	GPIO3/KBR2	GPIO3/KBR2	KEYPAD_1
34	GPIO4/KBC0/ SIM_PRESENCE	GPIO4/KBC0/ SIM_PRESENCE	GPIO4/KBC0/ SIM_PRESENCE	GPIO4/KBC0/ SIM_PRESENCE	KEYPAD_4
36	GPIO6/KBC2	GPIO6/KBC2	GPIO6/KBC2	GPIO6/KBC2	KEYSENSE_N4
38	DBG_TXD	DBG_TXD	DBG_TXD	NC	VBAT_BB
39	DBG_RXD	DBG_RXD	DBG_RXD	NC	VBAT_BB
44	VDD_EXT	VDD_EXT	VDD_EXT	VDD_EXT	VREG_AUX



PIN NO.	SIM928	SIM928A	SIM968	SIM908	SIM5320
45	BR_SELECT	NC	NC	NC	CURRENT_SINK
46	NC	AADET_N	AADET_N	NC	ADC2
48	PWM1	PWM1	PWM1	PWM1	GPIO44
49	PWM2	PWM2	PWM2	PWM2	GPIO40
50	PWM3	PWM3	PWM3	PWM3	GPIO43
52	STATUS	STATUS	STATUS	STATUS	GPIO41
53	RF_SYNS	RF_SYNS	RF_SYNS	RF_SYNS	GPIO42
54	NC	GPS_WAKEUP	GPS_WAKEUP	NC	GPIO4
62	VBAT	VBAT	VBAT	VBAT	VBAT_RF
63	VBAT	VBAT	VBAT	VBAT	VBAT_RF
73	TEMP_VBAT	TEMP_VBAT	TEMP_VBAT	TEMP_VBAT	PCM_DOUT
74	VCHG	VCHG	VCHG	VCHG	PCM_DIN
75	GPS_VANT_OUT	GPS_VANT_OUT	GPS_VANT_OUT	GPS_VANT_OUT	PCM_SYNC
76	GPS_VANT_IN	GPS_VANT_IN	GPS_VANT_IN	GPS_VANT_IN	PCM_CLK



other Difference

Difference	SIM928	SIM928A	SIM968	SIM908	SIM5320
Power supply	VBAT,GPS_VCC,V_BACKUP	VBAT,GPS_VCC,V_BACKUP	VBAT,GPS_VCC,V_BACKUP	VBAT	VBAT_BB,VBAT_RF
GSM	2G quad-band	2G quad-band	2G quad-band	2G quad-band	3G dual-band UMTS /HSDPA
GNSS	Stand-alone GPS	Stand-alone GPS	Stand-alone GPS/GLONASS	Host-base GPS	Host-base GPS
Position accuracy	<2.5m	<2.5m	<2.5m	<2.5m	<2m
Tracking Sensitivity	-167dBm	-167dBm	-167dBm	-160dBm	-157dBm
SBAS,QZSS, RTCM	support	support	support	Not support	Not support
A-GPS	Support (EPO)	Support	support	Not support	support
Global Navigation Satellite System	Not support, only support GPS	Not support, only support GPS	support	Not support, only support GPS	Not support, only support GPS
UART for GPS and GSM level	2V8	2V8	2V8	2V8	2V6