



SN8P1000 Family General I/O, ADC, LCD type MCU

Update Date: 2007-9-1

Prepared by: AvantCom (ShenZhen)

Part No.	ROM	RAM	System Clock	Low Clk	Timer			I/O	A/D		D/A	PWM		SIO	LCD	Interrupt		Wake-up Pin No.	Stack	Package	Other Features
					T0	TC0	TC1		Resolution	Ch		Buzzer	Int			Ext					
I/O Ttype																					
SN8P1602B	1K*16	48	32K~16Mhz	Int 16K	-	V	-	14	-	-	-	-	-	-	-	1	1	6	4	DIP18/SOP18/SSOP20	General I/O
ADC, LCD Type																					
SN8P1808	4K*16	256	32K~16Mhz	Ext 32K	V	V	V	47	12-bit	8	-	2	1	24*3	4	3	10	8	LQFP64	RTC	

Note:

- a. All 8-bit MCU family have the Watchdog, Low Voltage Detector and OTP Security function.
- b. SN8P1000 family is four clocks per instruction cycle

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SN8P2000 Family Advance High EFT, Fast Speed MCU

Update Date: 2007-9-1

Prepared by: AvantCom (ShenZhen)

Part No.	ROM	RAM	System Clock	Low Clk	8bit Timer/Count			16-bit Timer	I/O	A/D		D/A	PWM	SIO	LCD	Interrupt		Wake-up Pin No.	Stack	Package	Other Features
					T0	TC0	TC1	T1		Resolution	Ch		Buzzer			Int	Ext				
I/O Type																					
SN8P2501B	1K*16	48	32K~16Mhz	Int 16K	V	V	-	-	12	-	-	-	1	-	-	2	1	5	4	DIP14/SOP14/SSOP16	1T, Int 16MHz RC, High EFT
SN8P2602B	1K*16	48	32K~16Mhz	Int 16K	V	V	-	-	15	-	-	-	1	-	-	2	1	7	4	DIP18/SOP18/SSOP20	1T, General I/O, High EFT
SN8P2622	0.5K*16	32	32K~16Mhz	Int 16K	-	V	-	-	15	-	-	-	1	-	-	1	1	7	4	DIP18/SOP18/SSOP20	General I/O, High EFT
SN8P2611	2K*16	64	32K~16Mhz	Int 16K	V	V	-	-	12	-	-	-	1	-	-	2	1	6	4	DIP14/SOP14	
SN8P2612	2K*16	64	32K~16Mhz	Int 16K	V	V	-	-	16	-	-	-	1	-	-	2	1	8	4	DIP18/SOP18	1T, Int 16MHz RC, High EFT
SN8P2613	2K*16	64	32K~16Mhz	Int 16K	V	V	-	-	18	-	-	-	1	-	-	2	2	10	4	DIP20/SOP20/SSOP20	1T, Int 16MHz RC, High EFT
SN8P2604A	4K*16	128	32K~16Mhz	Int 16K	V	-	V	-	24	-	-	-	1	-	-	2	2	11	8	SKDIP28/SOP28/SSOP28	1T, General I/O, High EFT
SN8P2624	2K*16	64	32K~16Mhz	Int 16K	V	-	V	-	24	-	-	-	1	-	-	2	2	11	8	SKDIP28/SOP28/SSOP28	1T, General I/O, High EFT
SN8P2614	6K*16	192	32K~16Mhz	Int 16K	V	-	V	-	26	-	-	-	1	-	-	2	2	13	8	SKDIP28/SOP28/SSOP28	4T, General I/O, High EFT, 8 pin 200mA sink current I/O
SN8P2606	6K*16	128	32K~16Mhz	Int 16K	V	-	V	-	34	-	-	-	1	-	-	2	2	16	8	DIP40	1T, General I/O, High EFT
SN8P2608	6K*16	128	32K~16Mhz	Int 16K	V	-	V	-	40	-	-	-	1	-	-	2	2	16	8	DIP48/SSOP48	1T, General I/O, High EFT
SN8A2617	4K*16	256	32K~16Mhz	Int 16K	v	v	-	-	37	-	-	-	1	1	-	3	3	11	8	LQFP44	Mask Version
ADC Type																					
SN8P2711	1K*16	64	32K~16Mhz	Int 16K	-	V	V	-	12	12-bit	5+1	-	2	-	-	3	2	5	4	DIP14/SOP14/SSOP16	1T, PWM, ADC Int 16MHz RC
SN8P2714	2K*16	128	32K~16Mhz	Int 16K	-	V	V	-	23	12-bit	8	7bit * 1	2	-	-	2	2	3	8	SKDIP28/SOP28	1T, PWM, ADC, DAC
SN8P2715	2K*16	128	32K~16Mhz	Int 16K	-	V	V	-	27	12-bit	8	7bit * 1	2	-	-	2	2	3	8	DIP32/SOP32	1T, PWM, ADC, DAC
SN8P27142	2K*16	128	32K~16Mhz	Int 16K	-	V	V	-	15	12-bit	5	-	2	-	-	2	2	2	8	DIP18/SOP18	1T, PWM, ADC
SN8P27143	2K*16	128	32K~16Mhz	Int 16K	-	V	V	-	16	12-bit	6	-	2	-	-	2	2	2	8	DIP20/SOP20/SSOP20	1T, PWM, ADC
SN8P2722	2K*16	128	32K~16Mhz	Int 16K	V	V	-	-	18	12-bit	5	-	2	-	-	3	1	8	8	DIP20/SOP20/SSOP20	1T, PWM, ADC, 2K/4K BZ, Int 16MHz RC
SN8P2704A	4K*16	256	32K~16Mhz	Int 16K	V	V	V	-	18	12-bit	5	7bit * 1	2	1	-	5	3	8	8	SKDIP28/SOP28	1T, PWM, SIO, ADC, DAC
SN8P2705A	4K*16	256	32K~16Mhz	Int 16K	V	V	V	-	23	12-bit	8	7bit * 1	2	1	-	5	3	9	8	DIP32/SOP32	1T, PWM, SIO, ADC, DAC
SN8P2706A	4K*16	256	32K~16Mhz	Int 16K	V	V	V	-	30	12-bit	8	7bit * 1	2	1	-	5	3	9	8	DIP40	1T, PWM, SIO, ADC, DAC
SN8P2707A	4K*16	256	32K~16Mhz	Int 16K	V	V	V	-	33	12-bit	8	7bit * 1	2	1	-	5	3	9	8	QFP44	1T, PWM, SIO, ADC, DAC
SN8P2708A	4K*16	256	32K~16Mhz	Int 16K	V	V	V	-	36	12-bit	8	7bit * 1	2	1	-	5	3	11	8	DIP48/SSOP48	1T, PWM, SIO, ADC, DAC
ADC, LCD Type																					
SN8P2808	6K*16	256	32K~16Mhz	Ext 16K	V	V	V	-	21	12-bit	8	-	2	-	32*4/28*8	6	2	3	8	LQFP64	1T, RTC,PWM, ADC



SN8P2000 Family Advance High EFT, Fast Speed MCU

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Prepared by: AvantCom (ShenZhen)

RFC, LCD Type																					
SN8P2308	4K*16	128	32K~16Mhz	Ext 32K	V	V	-	V	25	-	-	-	1	-	32*4	3	1	11	8	LQFP64	1T, RTC,PWM, High EFT 16-bit Timer T1, 2-ch RFC
Low Voltage I/O Type																					
SN8P26L32	8K*16	240	32K~8Mhz	Int 16K	V	-	V	-	16	-	-	-	2	-	-	2	1	8	8	DIP18/SOP18	1-ch comparator, 1T, Int 8MHz RC,
SN8P26L321	8K*16	240	32K~8Mhz	Int 16K	V	-	V	-	18	-	-	-	2	-	-	3	1	8	8	DIP20/SOP20/SSOP20	2-ch comparator, 1T, Int 8MHz RC,
SN8P26L34	8K*16	240	32K~8Mhz	Int 16K	V	-	V	-	26	-	-	-	2	-	-	4	2	13	8	SKDIP28/SOP28/SSOP28	2-ch comparator, 1T, Int 8MHz RC,
*SN8P26L38	8K*16	880	32K~8Mhz	Int 16K	V	-	V	-	44	-	-	-	2	1	-	6	2	16	8	PDIP48/SSOP48/LQFP48	2-ch comparator, SIO, UART, 1T, Int 8MHz RC, 1.8V low operating voltage

Note:

- a. All 8-bit MCU Family have the Watchdog, Low Voltage Detector and OTP Security function.
- b. SN8P2000 family is one clock per instruction cycle (except SN8P2614)
- c. * = Underdevelopment



SN8P1820/1900 Family Sensor-based SOC ,ADC,LCD MCU

Update Date: 2007-9-1

Prepared by: AvantCom (ShenZhen)

Part No.	ROM	RAM	System Clock	Low Clk	Timer	Timer/Count			I/O	A/D		PWM	SIO	LCD	Interrupt		Wake-up Pin No.	Stack	Package	Other Features
						T0	TC0	TC1		Resolution	Ch				Buzzer	Int				
12bit ADC																				
SN8P1829	8K*16	512	32K~16Mhz	Ext 32K	V	V	V	19	12-bit	3	2	1	32*4	4	2	6	8	LQFP80	RTC, PGIA Charge-Pump Regulator	
16bit ADC																				
SN8P1907	2K*16	128	32K~8Mhz	Int 16K	V	-	-	11	16-bit	2	-	-	12*4	1	1	5	8	SSOP48/DIP48	PGIA Charge-Pump Regulator	
SN8P1917	2K*16	128	32K~8Mhz	Int 16K	V	-	-	13	16-bit	2	-	-	12*4	1	1	5	8	SSOP48/DIP48	Int 16MHz RC,PGIA Charge-Pump Regulator	
SN8P1927	2K*16	128	32K~8Mhz	Int 16K	V	-	-	13	16-bit	2	-	-	12*4	1	1	5	8	SSOP48/DIP48 LQFP48	ISP ROM, Int 16MHz RC,PGIA Charge-Pump Regulator	
SN8P1908	8K*16	512	32K~8Mhz	Ext 32K	V	V	V	17	16-bit	4	2	-	24*4	4	2	7	8	LQFP64	RTC, PGIA Charge-Pump Regulator	
SN8P1909	8K*16	512	32K~8Mhz	Ext 32K	V	V	V	20	16-bit	5	2	1	32*4	4	2	7	8	LQFP80	RTC, PGIA Charge-Pump Regulator	
SN8P1919	6K*16	256	32K~8Mhz	Ext 32K	V	V	V	22	16-bit	4	2	-	32*4	3	2	8	8	LQFP80	Int 16MHz RC, RTC, PGIA Charge-Pump Regulator	

Note:

- a. All 8-bit MCU family have the Watchdog, Low Voltage Detector and OTP Security function.
- b. SN8P1820/1900 family is four clocks per instruction cycle
- c. * = Underdevelopment



SN8P2200 Family USB MCU

Update Date: 2007-10-23

Prepared by: AvantCom (ShenZhen)

Part No.	ROM	RAM	System Clock	Low Clk	8bit Timer/Count			16-bit Timer	I/O	A/D		D/A	PWM	SIO	LCD	Interrupt		Wake-up Pin No.	Stack	Package	Other Features
					T0	TC0	TC1	T1		Resolution	Ch					Int	Ext				
USB Type																					
SN8P2201	6K*16	256	6Mhz	Int 16K	V	V	-	-	9	-	-	-	1	-	-	3	1	6	8	DIP14/SOP14/SSOP16	Low speed USB1.1 T1/T2 8-bit Timer Capture.
SN8P2202	6K*16	256	6Mhz	Int 16K	V	V	-	-	13	-	-	-	1	-	-	5	1	8	8	DIP18/SOP18/SSOP20	Low speed USB1.1 T1/T2 8-bit Timer Capture.
SN8P2203	6K*16	256	6Mhz	Int 16K	V	V	-	-	19	-	-	-	1	-	-	5	1	11	8	SKDIP24/SOP24/SSOP24	Low speed USB1.1 T1/T2 8-bit Timer Capture.
SN8P2204	6K*16	256	6Mhz	Int 16K	V	V	-	-	23	-	-	-	1	-	-	5	1	15	8	SKDIP28/SOP28/SSOP28	Low speed USB1.1 T1/T2 8-bit Timer Capture.
SN8P2212	4K*16	192	12Mhz	Int 16K	V	V	-	-	11	-	-	-	-	V	-	5	1	8	8	DIP18/SOP18	Full speed USB, Support Control/Interrupt
SN8P22121	4K*16	192	12Mhz	Int 16K	V	V	-	-	13	-	-	-	-	V	-	5	1	10	8	SSOP20/SOP20	Full speed USB, Support Control/Interrupt
SN8P2213	4K*16	192	12Mhz	Int 16K	V	V	-	-	17	-	-	-	-	V	-	5	1	14	8	SKDIP24/SOP24/SSOP24	Full speed USB, Support Control/Interrupt
SN8P2234	8K*16	512	12MHz	Int 16K	V		-	V	21	-	-	-	-	V	-	5	2	11	8	DIP24/SOP24/SSOP24	Full speed USB, Support Control/ 4 Interrupt / 2 ISO pipe
SN8P2236	8K*16	512	12MHz	Int 16K	V		-	V	33	-	-	-	-	V	-	5	2	14	8	DIP40	Full speed USB, Support Control/ 4 Interrupt / 2 ISO pipe
SN8P2238	8K*16	512	12Mhz	Int 16K	V		-	V	33	-	-	-	-	V	-	5	2	14	8	LQFP48	Full speed USB, Support Control/ 4 Interrupt / 2 ISO pipe

Note:

- a. All 8-bit MCU Family have the Watchdog, Low Voltage Detector and OTP Security function.
- b. SN8P2000 family is one clock per instruction cycle
- c. * = Underdevelopment



SN8PC00 Family -Remote Controller MCU

Update Date: 2007-9-1

Prepared by: AvantCom (ShenZhen)

Part No.	ROM	RAM	System Clock	Low Clk	Timer			I/O	A/D		PWM	SIO	LCD	Interrupt		Wake-up Pin No.	Stack	Package	Other Features
					T0	TC0	TC1		Resolution	Ch	Buzzer			Int	Ext				
SN8PC01	0.5K*16	32	455Khz	-	-	-	-	16	-	-	-	-	-	-	9	4	DIP20/SOP20	38KHZ IR OUTPUT	
SN8PC13	2K*16	48	4MHZ	-	V	V	-	16	-	-	-	-	-	-	15	4	DIP20/SOP20/ SSOP20	Programmable IR Output	

Note:

a. All 8-bit MCU family have the Watchdog, Low Voltage Detector and OTP Security function.

b. * = Underdevelopment