



Now That's Smart.

2025 PRODUCT GUIDE

Microcontrollers

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32-bit Micro-controller ICs

- **SN32F100 Family: ARM Cortex-M0, Flash type, High EFT, Fast Speed MCU**

SN32F100 Series : 48-80 pins with 16-bit CODEC and 24-ch Comparator, Internal 12MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

- **SN32F200 Family: ARM Cortex-M0, Flash type, High EFT, Fast Speed MCU USB Full Speed 2.0 Device**

SN32F230 Series : 33-80 pins with 12-bit AD, Internal 12MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

SN32F240 Series : 33-80 pins with 12-bit AD, Internal 12MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

SN32F260 Series : 28-48 pins with Internal 48MHz RC Oscillator, PWM, Capture, SPI, I²C, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

SN32F280 Series : 48-80 pins with 12-bit AD, Internal 12MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, OPA, Comparator, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

SN32F290 Series : 48-80 pins with 12-bit AD, Internal 12MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, OPA, Comparator, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

SN32F240B Series : 33-64 pins with 12-bit AD, Internal 48MHz RC Oscillator, PWM, Capture, SPI, UART, I²C, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

SN32F240C Series : 33-64 pins with 12-bit AD, Internal 12MHz RC Oscillator, PWM, Capture, SPI, UART, I²C, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.

*SN32F240D Series: 33-64 pins with 12-bit AD, Internal 12MHz RC Oscillator, PWM, Capture, SPI, UART, I²C, ARGB, NVIC, Full Speed USB, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.

- **SN32F400 Family: ARM Cortex-M0, Flash type, High EFT, Low Power / Fast Speed MCU**

SN32F400 Series : 24-48 pins with 12-bit AD, Internal 48MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, Comparator, OPA with PGA, FOC, ACC, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.

- **SN32F700 Family: ARM Cortex-M0, Flash type, High EFT, Low Power / Fast Speed MCU**

SN32F700 Series : 28-48 pins with 12-bit AD, Internal 12MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

SN32F700B Series : 20-48 pins with 12-bit AD, Internal 12MHz RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, Comparator, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT.

32-bit Micro-controller ICs

- SN32F760 Series : 33-80 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT.
- SN32F750 Series : 33-80 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT.
- SN32F760B Series : 33-64 pins with 12-bit AD, Internal 48MHZ RC Oscillator, PWM, Capture, SPI, UART, I²C, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT.
- SN32F760C Series : 32 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PWM, Capture, SPI, UART, I²C / I³C, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.
- SN32F760D Series : 32 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PWM, Capture, SPI, UART, I²C / I³C, ARGB, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.
- SN32F770 Series : 24-28 pins with 12-bit AD, Internal 48MHZ RC Oscillator, PWM, Capture, UART, Comparator, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT.
- SN32F780 Series : 64 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, OPA, Comparator, EBI, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.
- SN32F790 Series : 32-80 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, OPA, Comparator, EBI, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.
- **SN32F800 Family: ARM Cortex-M0, Flash type, High EFT, Low Power / Fast Speed MCU**
 - SN32F800 Series : 32 pins with 12-bit AD, 12-bit DA, Internal 12MHZ RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, Comparator, Temperature sensor, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.
- **SN34F200 Family: ARM Cortex-M4, Flash type, CAN, Ethernet, LCD, USB High Speed 2.0, High-performance MCU**
 - SN34F280 Series : 32-80 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, CAN2.0 A/B, SDIO, Ethernet, High Speed USB, NVIC, ISP function, Embedded ICE (SWD Debug Interface), CRC.
- **SN34F700 Family: ARM Cortex-M4, Flash type, CAN, Ethernet, LCD, High EFT, High-performance MCU**
 - SN34F780 Series : 32-64 pins with 12-bit AD, Internal 12MHZ RC Oscillator, PLL, PWM, Capture, SPI, UART, I²C, I²S, LCD, CAN2.0 A/B, SDIO, Ethernet, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT, CRC.

(* =Underdevelopment)

8-bit Micro-controller ICs

● SN8F5000 Family: 8051 8-bit MCU, Embedded OCDS, High EFT, Fast Speed MCU

- SN8F5280 Series : 20-24 pins, Full speed USB2.0, Internal 48MHZ RC Oscillator, ADC type, PWM, SIO, UART, I²C, 4-level interrupt priority & 8-bit Stack Pointers, ISP function, Embedded OCDS 1-wire debug interface MCU.
- SN8F5600 Series : 16-20 pins ADC type with Internal 32MHZ RC Oscillator, PWM, UART, I²C, OP-amp, Comparator, 4-level interrupt priority & 8-bit Stack Pointers, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5700 Series : 6-48 pins ADC type with Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART, I²C, OP-amp, Comparator, 4-level interrupt priority & 8-bit Stack Pointers, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU, Touch Keys.
- SN8F5800 Series : 20-64 pins ADC type with Internal 32MHZ RC Oscillator, RTC, PWM, Capture, SIO, UART, I²C, LCD Driver, LED Driver, 4-level interrupt priority & 8-bit Stack Pointers, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU, Touch Keys.
- SN8F5840 Series : 80-48 pins ADC type with Internal 32MHZ RC Oscillator, 2 OP-amps, 2 DACs, RTC, LCD Driver, PWM, Capture, SIO, UART I²C, Comparator, IO with high drive / sink current, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5900 Series : 100-64 pins with 24-bit ADC, Multi-Channels, PGIA, OP-amp, Charge-Pump Regulator, RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART I²C, Comparator, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5910 Series : 80-64 pins with 24-bit ADC, Multi-Channels, PGIA, OP-amp, Charge-Pump Regulator, , RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, UART, I²C, Comparator, ISP, BIA function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5920 Series : 64-48 pins with 24-bit ADC, Multi-Channels, PGIA, RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, UART, SIO, I²C, Comparator, IO with high drive / sink current, ISP function, Embedded OCDS 1-wire debug interface, High EFT / EMS MCU.
- SN8F5930 Series : 100-64 pins with 24-bit /12-bit ADC, Multi-Channels, PGIA, OP-amp, 12-bit DAC Charge-Pump Regulator , RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART, I²C, Comparator, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5940 Series : 100-64 pins with 24-bit ADC, Multi-Channels, PGIA, OP-amp, Regulator, RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART, I²C, Comparator, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.

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- SN8F5950 Series : 80-64 pins with 24-bit ADC, Multi-Channels, PGIA, OP-amp, 12-bit DAC, BIA_AFE, DDS_DAC, RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART, I²C, Comparator, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5960 Series : 64 pins with 24-bit ADC, Multi-Channels, PGIA, OP-amp, 12-bit DAC, BIA_AFE, DDS_DAC, RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART, I²C, Comparator, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5900B Series : 100~64 pins with 24-bit ADC, Multi-Channels, PGIA, OP-amp, RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART, I²C, Comparator, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.
- SN8F5900C Series : 64 pins with 24-bit ADC, Multi-Channels, PGIA, OP-amp, RTC, LCD Driver, Internal 32MHZ RC Oscillator, PWM, Capture, SIO, UART, I²C, Comparator, ISP function, Embedded OCDS 1-wire debug interface, High EFT MCU.

● SN8P2000 Family: Advanced High EFT, Fast Speed MCU

- SN8P2500 Series : 8-14 pins simple I/O type with Internal 16MHZ RC Oscillator, PWM, High EFT MCU.
- SN8P2600 Series : 18-48 pins I/O type with Internal 16MHZ RC Oscillator, PWM, High EFT MCU.
- SN8P2700 Series : 8-48 pins 12-bit AD type with Internal 16MHZ RC Oscillator, PWM, Capture, SIO, MSP, DA, Comparator, OPA, High EFT MCU.

● SN8P20L00 Family: Low Voltage Type MCU

● SN8F20E00 Family: Embedded Flash MCU, High EFT, Fast Speed MCU

- SN8F25E00 Series : 16-48 pins I/O type with Internal 16MHZ RC Oscillator, PWM, Capture, SIO, UART, MSP, Multi-Channel Comparator, Multi-Interrupt, ISP function, Embedded ICE, High EFT MCU.
- SN8F26E00 Series : 10-48 pins I/O type with Internal 16MHZ RC Oscillator, PWM, Capture, SIO, UART, MSP, Comparator, Multi-Interrupt, ISP function, Embedded ICE, High EFT MCU.
- SN8F27E00 Series : 10-32 pins 12-bit AD type with Internal 16MHZ RC Oscillator, PWM, Capture, SIO, UART, MSP, Multi-Interrupt, ISP, Embedded ICE, High EFT MCU.

● SN8P2200 Family: USB MCU

- SN8P2267E Series : 48 pins, Low speed USB2.0, internal 6MHZ RC Oscillator.

8-bit Micro-controller ICs

● **SN8F2200 Family: Flash Type USB MCU**

- SN8F2250B Series : 16-32 pins, Full speed USB2.0.
SN8F2260F Series : 48 pins, Low speed USB2.0, internal 3MHZ RC Oscillator.
SN8F2280 Series : 24-48 pins, Full speed USB2.0, 12-bit AD with PWM, Capture, SIO, UART, MSP, ISP.
SN8F22E80B Series : 24-48 pins, Full speed USB 2.0, 12-bit AD, with internal 16MHZ RC Oscillator, PWM, Capture, SIO, Multi-Interrupt, ISP, Embedded ICE.

● **SN8P18/19/2900 Family: Sensor-based AD, LCD, OTP/Flash Type MCU**

- SN8P1820 Series : 80 pins with 12-bit AD, PWM, SIO, LCD, RTC, PGIA, Charge-Pump Regulator Function.
SN8P2839 Series : 100 pins with 12-bit AD / DA, PWM, SIO, LCD, RTC, PGIA, OP, Charge-Pump Regulator Function.
SN8P1900 Series : 48-80 pins with 16-bit AD, PWM, SIO, LCD, RTC, PGIA, Charge-Pump Regulator Function.
SN8P2977A Series : 48 pins with 24-bit AD, PGIA, ISP, LCD, Internal 8MHZ RC Oscillator Regulator Function, RTC, UART, PWM, 60mA Sink IO.
SN8P2929 Series : 64 pins with 20-bit AD, PGIA, ISP, LCD, RTC, Internal 4MHZ RC Oscillator Regulator Function, 4-Touch Keys Function.
SN8P2949 Series : 80 pins with 20-bit AD, PGIA, ISP, LCD, RTC, Internal 4MHZ RC Oscillator Regulator Function.
SN8P2988 Series : 80 pins with 24-bit /12-bit AD, PGIA, OPax2, 12-bit DACx2, ISP, LCD, Internal 8MHZ RC Oscillator Regulator Function, RTC, UART, PWM, 60mA Sink IO.
SN8F29E39/E49 Series : 100 pins with 20-bit AD, OPA, PGIA, DA, LCD Driver, Internal 8MHZ RC Oscillator Regulator Function, RTC, UART, MSP, PWM, Comparator, LED Driver, ISP function, Embedded ICE. Flash type.

LED Driver ICs

● **SLED1730 Family: LED matrix driver**

- SLED1730 Series : 20-46 pins with four types of built-up LED matrix, support global constant current control, thermal detection, each LED has the 8bit programming PWM duty, on/off control, anti-forward control function.

● **SNLED2730 Family: LED matrix driver**

- SNLED2730 Series : 28-48 pins built-up LED matrix, support global constant current control, thermal detection, each LED has the 8bit programming PWM duty, on/off control function.

● ***SNLED3750 Family: LED matrix driver**

- SNLED3750 Series : 32-60 pins built-up LED matrix, support low power consumption, constant current control, thermal detection, each LED has the 8bit programming PWM duty, spread spectrum function.

Type-C Power Delivery ICs

- **SN32F600 Family: ARM Cortex-M0, Flash type, USB Type-C PD3.0 / PD3.1 Source Port Controller**

SN32F600 Series : 14-32 pins with BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, PWM, NVIC, ISP function, Embedded ICE (SWD Debug Interface), High EFT MCU, PD3.0 SPR 20V.

SNPD1820 Series : 28 pins with Flash Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, I²C, UART, ISP function, Embedded ICE (SWD Debug Interface), High EFT MCU, PD3.1 EPR 28V.

SNPD1830 Series : 48 pins with Flash Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, I²C, UART, ISP function, Embedded ICE (SWD Debug Interface), High EFT MCU, PD3.2 EPR 48V.

- **SNPD1600 Family: 8051 8-bit, USB Type-C PD3.0 Source Port Controller**

SNPD1680 Series : 10-16 pins with Flash Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, ISP function, Embedded OCDS 1-wire debug Interface, High EFT MCU, PD3.0 SPR 20V.

SNPD1690 Series : 10-16 pins with OTP Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, ISP function, Embedded OCDS 1-wire debug Interface, High EFT MCU, PD3.0 SPR 20V

- **SNPD1700 Family: 8051 8-bit, USB Type-C PD3.0 / PD3.1 Source Port Controller**

SNPD1710 Series : 10-20 pins with Flash Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, ISP function, Embedded OCDS 1-wire debug Interface, High EFT MCU, PD3.0 SPR 20V.

SNPD1720 Series : 10-16 pins with OTP Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, ISP function, Embedded OCDS 1-wire debug Interface, High EFT MCU, PD3.1 SPR 20V.

SNPD1730 Series : 16-20 pins with Flash Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, ISP function, Embedded OCDS 1-wire debug Interface, High EFT MCU, PD3.1 EPR 28V.

- **SNPD5100 Family: 8051 8-bit, USB Type-C PD3.2 Source Port Controller**

SNPD5110 Series : 10-16 pins with MTP Type, BMC-PHY, DPDM QC IO, Shunt Regulator, Low Side Current Sensing Amplifier, 12-bit ADC, ISP function, Embedded OCDS 1-wire debug Interface, High EFT MCU, PD3.2 SPR 20V. .

Single ICE/Writer is available for each Family. All the SN8P2000 Family are fast speed one clock per instruction cycle (1T).

Wide range application: smart charger, home appliance, security system, PC/Game Peripheral, RF Application, Smart Remote controller, Health care utility, AC timer, Ear Thermometer, Electronic scale and other sensor-based application...etc..

8/32-bit Micro-controller ICs

SN8F5000 Family Flash Type 8051 8-bit MCU

Part No.	ROM	RAM	System Clock	Low Clk	8-bit Timer	16-bit Timer	I/O	A/D		D/A	OP-amp	Comparator	PWM	SPI	IIC	UART	LCD
								Resolution	Ch								
USB Type																	
SN8F5282	16KB	512B	4M~48Mhz	Int. 16K	0	2	14	12-bit	6+3	-	-	-	7	1	1	1	-
SN8F5283	16KB	512B	4M~48Mhz	Int. 16K	0	2	18	12-bit	10+3	-	-	-	10	1	1	1	-
ADC Type																	
*SN8F5602	18KB	1KB	4M~32Mhz	Int. 16K	0	3	18	12-bit	16+4	-	1	5	1	0	1	2	-
*SN8F5601	18KB	1KB	4M~32Mhz	Int. 16K	0	3	14	12-bit	12+4	-	1	5	1	0	1	2	-
*SN8F56011	18KB	1KB	4M~32Mhz	Int. 16K	0	3	14	12-bit	12+4	-	1	5	1	0	1	2	-
SN8F5701	4KB	256B	4M~32Mhz	Int. 16K	2	3	6	12-bit	6+1	-	-	-	6	-	-	1	-
SN8F57011	4KB	256B	4M~32Mhz	Int. 16K	2	3	4	12-bit	4+1	-	-	-	4	-	-	1	-
SN8F5702	4KB	256B	4M~32Mhz	Int. 16K	2	4	18	12-bit	10+1	-	-	-	8	1	1	1	-
SN8F570200	4KB	256B	4M~32Mhz	Int. 16K	2	4	8	12-bit	5+1	-	-	-	3	-	-	1	-
SN8F570202	4KB	256B	4M~32Mhz	Int. 16K	2	4	6	12-bit	4+1	-	-	-	3	-	-	-	-
SN8F570210	4KB	256B	4M~32Mhz	Int. 16K	2	4	12	12-bit	6+1	-	-	-	5	-	-	1	-
SN8F570211	4KB	256B	4M~32Mhz	Int. 16K	2	4	12	12-bit	6+1	-	-	-	5	-	1	-	-
SN8F570212	4KB	256B	4M~32Mhz	Int. 16K	2	4	14	12-bit	8+1	-	-	-	6	-	1	-	-
SN8F570213	4KB	256B	4M~32Mhz	Int. 16K	2	4	12	12-bit	6+1	-	-	-	5	-	-	1	-
SN8F5702A	4KB	256B	4M~32Mhz	Int. 16K	2	4	18	12-bit	10+1	-	-	-	8	1	1	1	-
SN8F570212A	4KB	256B	4M~32Mhz	Int. 16K	2	4	14	12-bit	8+1	-	-	-	6	-	1	-	-
SN8F570213A	4KB	256B	4M~32Mhz	Int. 16K	2	4	12	12-bit	6+1	-	-	-	5	-	-	1	-
SN8F5703	8KB	512B	4M~32Mhz	Int. 16K	2	4	22	12-bit	11+2	-	1	1	10	1	1	1	-
SN8F570310	8KB	512B	4M~32Mhz	Int. 16K	2	4	14	12-bit	7+2	-	1	1	3	-	1	1	-
SN8F570311	8KB	512B	4M~32Mhz	Int. 16K	2	4	14	12-bit	5+1	-	-	-	7	1	1	1	-
SN8F570320	8KB	512B	4M~32Mhz	Int. 16K	2	4	18	12-bit	10+2	-	1	1	6	-	1	1	-
SN8F570321	8KB	512B	4M~32Mhz	Int. 16K	2	4	18	12-bit	9+2	-	1	1	8	1	1	1	-
SN8F5703A	8KB	512B	4M~32Mhz	Int. 16K	2	4	22	12-bit	11+2	-	1	1	10	1	1	1	-
SN8F570310A	8KB	512B	4M~32Mhz	Int. 16K	2	4	14	12-bit	7+2	-	1	1	3	-	1	1	-

Interrupt			Wake-up Pin No.	Stack Pointer	Package	Other Features	Operating Voltage
Int	Ext	Priority					
11	3	4-level	14	8-bit	SOP20/QFN20	1T, ISP, HW MDU, Int. 48MHz RC, FS USB2.0, Embedded OCDs 1-Wire.	1.8V~5.5V
11	3	4-level	18	8-bit	TSSOP24/QFN24	1T, ISP, HW MDU, Int. 48MHz RC, FS USB2.0, Embedded OCDs 1-Wire.	1.8V~5.5V
16	1	4-level	14	8-bit	DIP20/SOP20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
16	1	4-level	10	8-bit	DIP16/SOP16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
16	1	4-level	10	8-bit	SOP16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
5	3	4-level	6	8-bit	DIP8/SOP8/TSSOP8	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
5	2	4-level	4	8-bit	SOT23-6	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	16	8-bit	DIP20/SOP20/TSSOP20/QFN20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	8	8-bit	MSOP10	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	6	8-bit	SOP8	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	11	8-bit	SOP14	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	11	8-bit	SOP14	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	13	8-bit	SOP16/TSSOP16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	11	8-bit	SOP14	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	16	8-bit	SOP20/TSSOP20/QFN20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	13	8-bit	SOP16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
12	1	4-level	11	8-bit	SOP14	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
13	2	4-level	16	8-bit	SOP24/SSOP24/TSSOP24/QFN24	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
13	2	4-level	9	8-bit	DIP16/SOP16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
13	1	4-level	9	8-bit	QFN16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
13	2	4-level	13	8-bit	DIP20/SOP20/TSSOP20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
13	2	4-level	12	8-bit	QFN20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
13	2	4-level	16	8-bit	SOP24/SSOP24/TSSOP24/QFN24	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V
13	2	4-level	9	8-bit	SOP16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDs 1-Wire.	1.8V~5.5V

SN8F5000 Family Flash Type 8051 8-bit MCU

Part No.	ROM	RAM	System Clock	Low Clk	8-bit Timer	16-bit Timer	I/O	A/D		D/A	OP-amp	Comparator	PWM	SPI	IIC	UART	LCD
								Resolution	Ch								
SN8F5705	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	30	12-bit	7+3	-	2	2	9	1	1	1	-
SN8F5707	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	42	12-bit	12+3	-	2	2	10	1	1	1	-
SN8F5708	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	46	12-bit	12+3	-	2	2	10	1	1	1	-
SN8F570812	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	14	12-bit	9+1	-	-	1	6	-	-	-	-
SN8F570822	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	18	12-bit	8+1	-	-	1	8	-	-	-	-
SN8F570870	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	44	12-bit	12+3	-	2	2	10	1	1	1	-
SN8F57082	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	18	12-bit	7+1	-	-	-	6	-	1	1	-
SN8F57084	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	26	12-bit	7+2	-	1	1	9	1	1	1	-
SN8F57085	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	14	12-bit	6+1	-	-	2	5	-	1	-	-
SN8F57086	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	38	12-bit	12+2	-	1	2	10	1	1	1	-
SN8F57087	16KB	1.25KB	4M~32Mhz	Int. 16K	2	6	14	12-bit	4+1	-	-	-	6	1	1	1	-
SN8F5713	8KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	3	21	12-bit	13+1	-	-	-	8	-	1	1	-
SN8F5712	8KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	3	17	12-bit	11+1	-	-	-	8	-	1	1	-
SN8F5711	8KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	3	13	12-bit	9+1	-	-	-	8	-	1	1	-
SN8F57131	8KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	3	11	12-bit	7+1	-	-	-	7	-	1	1	-
SN8F57112	8KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	3	5	12-bit	3+1	-	-	-	3	-	1	1	-
SN8F57113	8KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	3	6	12-bit	4+1	-	-	-	4	-	1	1	-
SN8F5721	4KB	256B	4M~32Mhz	Int. 16K	2	4	12	12-bit	12+1	-	-	-	12	1	1	1	-
SN8F57211	4KB	256B	4M~32Mhz	Int. 16K	2	4	8	12-bit	8+1	-	-	-	8	1	1	1	-
SN8F57212	4KB	256B	4M~32Mhz	Int. 16K	2	4	8	12-bit	8+1	-	-	-	8	1	1	1	-
SN8F57213	4KB	256B	4M~32Mhz	Int. 16K	2	4	6	12-bit	6+1	-	-	-	6	1	1	1	-
SN8F5754	16KB	1.25KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	25	12-bit	16+1	-	-	-	8	-	1	2	-
SN8F5753	16KB	1.25KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	21	12-bit	16+1	-	-	-	6	-	1	2	-
SN8F5752	16KB	1.25KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	17	12-bit	13+1	-	-	-	6	-	1	2	-
SN8F5762	18KB	1KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	18	12-bit	12+1	-	-	-	10	1	1	2	-
SN8F57621	18KB	1KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	18	12-bit	12+1	-	-	-	10	1	1	2	-

Interrupt			Wake-up Pin No.	Stack Pointer	Package	Other Features	Operating Voltage
Int	Ext	Priority					
16	1	4-level	11	8-bit	LQFP32/QFN32	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	3	4-level	12	8-bit	LQFP44	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	3	4-level	16	8-bit	LQFP48/QFN48	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	3	4-level	3	8-bit	SOP16	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	3	4-level	5	8-bit	TSSOP20	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	3	4-level	16	8-bit	QFN46	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	2	4-level	7	8-bit	SOP20/TSSOP20	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	2	4-level	11	8-bit	SKDIP28/SOP28/QFN28/TSSOP28	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	1	4-level	4	8-bit	TSSOP16	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	3	4-level	12	8-bit	QFN40	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	-	4-level	10	8-bit	TSSOP16	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
7	3	4-level	16	8-bit	SOP24/TSSOP24/QFN24	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
7	2	4-level	12	8-bit	DIP20/SOP20	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
7	2	4-level	8	8-bit	DIP16/SOP16	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
7	2	4-level	7	8-bit	DIP14/SOP14	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
7	-	4-level	5	8-bit	SOP8	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
7	-	4-level	6	8-bit	SOP8	1T, ISP, HW MDU, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
9	1	4-level	12	8-bit	DIP14/SOP14/QFN16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
9	-	4-level	8	8-bit	MSOP10	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
9	1	4-level	8	8-bit	MSOP10	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
9	1	4-level	6	8-bit	SOP8	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
11	3	4-level	16	8-bit	SKDIP28/SOP28/TSSOP28	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
11	3	4-level	15	8-bit	SOP24/TSSOP24	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
11	3	4-level	12	8-bit	DIP20/SOP20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
13	3	4-level	16	8-bit	DIP20/SOP20/TSSOP20/QFN20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
13	3	4-level	16	8-bit	TSSOP20	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V

SN8F5000 Family Flash Type 8051 8-bit MCU

Part No.	ROM	RAM	System Clock	Low Clk	8-bit Timer	16-bit Timer	I/O	A/D		D/A	OP-amp	Comparator	PWM	SPI	IIC	UART	LCD
								Resolution	Ch								
SN8F5761	18KB	1KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	14	12-bit	10+1	-	-	-	10	1	1	2	-
SN8F57611	18KB	1KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	12	12-bit	9+1	-	-	-	7	1	1	2	-
SN8F57612	18KB	1KB	4M~32Mhz	Int. 16K Ext. 32K	2	5	6	12-bit	5+1	-	-	-	4	-	1	1	-
ADC, LCD Type																	
SN8F5814	16KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	4	26	12-bit	13+1	-	-	-	8	1	1	1	4*16
SN8F5813	16KB	768KB	4M~32Mhz	Int. 16K Ext. 32K	2	4	22	12-bit	13+1	-	-	-	6	1	1	1	4*14
SN8F5812	16KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	4	18	12-bit	11+1	-	-	-	6	1	1	1	4*10
*SN8F58692	64KB	4.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	59	12-bit	16+3	-	-	-	15	1	1	4	8*32 7*34 6*35 4*36
*SN8F58682	64KB	4.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	44	12-bit	13+3	-	-	-	14	1	1	3	4*25
*SN8F58652	64KB	4.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	30	12-bit	8+3	-	-	-	7	1	1	2	4*14
*SN8F58641	64KB	4.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	25	12-bit	9+3	-	-	-	8	1	1	1	-
*SN8F58631	64KB	4.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	21	12-bit	8+3	-	-	-	6	1	1	1	-
SN8F5829	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	60	12-bit	16+3	-	-	-	16	-	1	3	8*32 7*33 6*34 4*36
SN8F5828	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	45	12-bit	13+3	-	-	-	14	-	1	2	4*25
SN8F5825	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	29	12-bit	8+3	-	-	-	7	-	1	1	4*14
SN8F58254	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	30	12-bit	11+3	-	-	-	10	-	1	2	-
SN8F58253	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	30	12-bit	12+3	-	-	-	8	-	1	2	-
SN8F58252	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	30	12-bit	9+3	-	-	-	8	-	1	2	4*15
SN8F5824	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	25	12-bit	9+3	-	-	-	8	-	1	1	-
SN8F58244	32KB	1.79KB	4M~32Mhz	Int. 16K Ext. 32K	2	9	26	12-bit	7+3	-	-	-	10	-	1	2	-
SN8F58243	32KB	1.79B	4M~32Mhz	Int. 16K Ext. 32K	2	9	26	12-bit	11+3	-	-	-	6	-	1	2	-
SN8F58242	32KB	1.79B	4M~32Mhz	Int. 16K Ext. 32K	2	9	26	12-bit	7+3	-	-	-	6	-	1	2	4*11
SN8F5823	32KB	1.79B	4M~32Mhz	Int. 16K Ext. 32K	2	9	21	12-bit	8+3	-	-	-	5	-	1	-	-

Interrupt			Wake-up Pin No.	Stack Pointer	Package	Other Features	Operating Voltage
Int	Ext	Priority					
13	3	4-level	12	8-bit	DIP16/SOP16	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
13	3	4-level	10	8-bit	DIP14/SOP14	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
13	1	4-level	5	8-bit	SOP8	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
12	3	4-level	16	8-bit	SKDIP28/SOP28/SSOP28/TSSOP28	1T, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
12	3	4-level	16	8-bit	SOP24/TSSOP24	1T, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
12	3	4-level	9	8-bit	SOP20/TSSOP20	1T, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
21	4	4-level	15	8-bit	LQFP64	1T, R/C-Type, LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
21	4	4-level	12	8-bit	LQFP48	1T, R/C-Type, LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
21	4	4-level	7	8-bit	LQFP32/QFN32	1T, R/C-Type, LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
21	4	4-level	3	8-bit	SOP28	1T, R/C-Type, LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
21	4	4-level	3	8-bit	SOP24	1T, R/C-Type, LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	16	8-bit	LQFP64	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Programmable IR Output with 400mA current, Touch Keys.	1.8V~5.5V
17	4	4-level	12	8-bit	LQFP48	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Programmable IR Output with 400mA current, Touch Keys.	1.8V~5.5V
17	4	4-level	7	8-bit	LQFP32/QFN32	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Programmable IR Output with 400mA current, Touch Keys.	1.8V~5.5V
12	4	4-level	7	8-bit	LQFP32/QFN32	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	7	8-bit	LQFP32/QFN32	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	7	8-bit	LQFP32/QFN32	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	6	8-bit	SOP28	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	6	8-bit	SOP28	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	6	8-bit	SOP28	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	6	8-bit	SOP28	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Touch Keys.	1.8V~5.5V
17	4	4-level	5	8-bit	SOP24	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Programmable IR Output with 400mA current, Touch Keys.	1.8V~5.5V

SN8F5000 Family Flash Type 8051 8-bit MCU

Part No.	ROM	RAM	System Clock	Low Clk	8-bit Timer	16-bit Timer	I/O	A/D		D/A	OP-amp	Comparator	PWM	SPI	IIC	UART	LCD
								Resolution	Ch								
SN8F5835	32KB	2.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	6	29	12-bit	15+1	-	-	-	12	1	1	3	8*12 7*13 6*14 4*16
SN8F5834	32KB	2.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	6	25	12-bit	13+1	-	-	-	8	1	1	3	8*10 7*11 6*12 4*14
SN8F5833	32KB	2.3KB	4M~32Mhz	Int. 16K Ext. 32K	2	6	21	12-bit	13+1	-	-	-	10	1	1	3	-
SN8F5858	16KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	4	45	12-bit	16+1	-	-	-	8	1	1	2	8*31 7*32 6*33 4*35
SN8F5855	16KB	768B	4M~32Mhz	Int. 16K Ext. 32K	2	4	29	12-bit	10+1	-	-	-	8	1	1	2	6*17 4*19
SN8F5849	32KB	3KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	48	12-bit	10+6	2	2	1	3	1	1	1	4*34 6*32
SN8F5848	32KB	3KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	45	12-bit	10+6	2	2	1	3	1	1	1	4*31 6*29
SN8F5847	32KB	3KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	31	12-bit	6+6	2	2	1	3	1	1	1	4*17 6*15
SN8F5909	64KB	2KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	44	24-bit	9+4	-	1	1	3	1	1	1	4*44 6*42
SN8F5908	64KB	2KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	36	24-bit	9+4	-	1	1	3	1	1	1	4*36 6*34
SN8F5907	64KB	2KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	34	24-bit	5+4	-	1	1	3	1	1	1	4*26 6*24
SN8F5919	32KB	768B	32Mhz	Int. 16K Ext. 32K	1	2	22	24-bit	9+4	-	-	1	2	-	1	1	4*36 6*34
SN8F5918	32KB	768B	32Mhz	Int. 16K Ext. 32K	1	2	22	24-bit	9+4	-	-	1	2	-	1	1	4*28 6*26
SN8F5928	32KB	1KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	48	24-bit	6+4	-	-	1	3	1	1	1	4*24 6*22
SN8F5927	32KB	1KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	36	24-bit	4+4	-	-	1	2	-	1	1	4*18 6*16
SN8F5939	128KB	6KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	44	12-bit 24-bit	11+5	1	2	1	3	1	1	2	4*44 6*42
SN8F5938	128KB	6KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	44	12-bit 24-bit	9+5	1	2	1	3	1	1	2	4*34 6*32
SN8F5937	128KB	6KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	36	12-bit 24-bit	5+5	1	2	1	3	1	1	1	4*24 6*22
SN8F5949	128KB	8KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	44	24-bit	9+4	-	1	1	3	1	1	2	4*44 6*42
SN8F5948	128KB	8KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	36	24-bit	9+4	-	1	1	3	1	1	2	4*36 6*34
SN8F5947	128KB	8KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	34	24-bit	5+4	-	1	1	3	1	1	1	4*26 6*24
SN8F59471	128KB	8KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	37	24-bit	6+4	-	1	1	3	1	1	1	4*29 6*27
SN8F5959	128KB	8KB+ 256B	32Mhz	Int. 16K Ext. 32K	1	3	48	24-bit	9+5	1	2	1	3	1	1	2	4*36 6*34

Interrupt			Wake-up Pin No.	Stack Pointer	Package	Other Features	Operating Voltage
Int	Ext	Priority					
16	5	4-level	13	8-bit	LQFP32	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	4	4-level	11	8-bit	SOP28	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
16	3	4-level	9	8-bit	TSSOP24	1T, HW MDU, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
12	8	4-level	15	8-bit	LQFP48	1T, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Programmable IR Output with 400mA current.	1.8V~5.5V
12	8	4-level	9	8-bit	LQFP32	1T, LCD/LED driver, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, Programmable IR Output with 400mA current.	1.8V~5.5V
8	2	4-level	16	8-bit	LQFP80	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, extra 1.5KB data Flash.	1.8V~3.6V
8	2	4-level	16	8-bit	LQFP64	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, extra 1.5KB data Flash.	1.8V~3.6V
8	2	4-level	16	8-bit	LQFP48	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, extra 1.5KB data Flash.	1.8V~3.6V
8	2	4-level	16	8-bit	LQFP100	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
8	2	4-level	16	8-bit	LQFP80	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
8	2	4-level	16	8-bit	LQFP64	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
8	2	4-level	12	8-bit	LQFP80	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, BIA Function.	1.8V~5.5V
8	2	4-level	12	8-bit	LQFP64	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, BIA Function.	1.8V~5.5V
9	2	4-level	16	8-bit	LQFP64	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, extra 1.5KB data Flash.	1.8V~3.6V
9	2	4-level	16	8-bit	LQFP48	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, extra 1.5KB data Flash.	1.8V~3.6V
11	2	4-level	16	8-bit	LQFP100	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC.	1.8V~5.5V
11	2	4-level	16	8-bit	LQFP80	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC.	1.8V~5.5V
10	2	4-level	16	8-bit	LQFP64	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC.	1.8V~5.5V
12	4	4-level	16	8-bit	LQFP100	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
12	4	4-level	16	8-bit	LQFP80	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
12	4	4-level	16	8-bit	LQFP64	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
12	4	4-level	16	8-bit	LQFP64	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
13	4	4-level	16	8-bit	LQFP80	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, BIA, DDS_DAC.	1.8V~5.5V

SN8F5000 Family Flash Type 8051 8-bit MCU

Part No.	ROM	RAM	System Clock	Low Clk	8-bit Timer	16-bit Timer	I/O	A/D		D/A	OP-amp	Comparator	PWM	SPI	IIC	UART	LCD
								Resolution	Ch								
SN8F5958	128KB	8KB+256B	32Mhz	Int. 16K Ext. 32K	1	3	36	24-bit	9+5	1	1	1	3	1	1	2	4*24 6*22
*SN8F5968	64KB	4KB+256B	32Mhz	Int. 16K Ext. 32K	1	3	38	24-bit	8+5	1	1	1	3	1	1	2	4*26 6*24
SN8F5909B	64KB	2KB+256B	32Mhz	Int. 16K Ext. 32K	1	3	44	24-bit	9+4	-	1	1	3	1	1	1	4*44 6*42
SN8F5908B	64KB	2KB+256B	32Mhz	Int. 16K Ext. 32K	1	3	36	24-bit	9+4	-	1	1	3	1	1	1	4*36 6*34
SN8F5907B	64KB	2KB+256B	32Mhz	Int. 16K Ext. 32K	1	3	34	24-bit	5+4	-	1	1	3	1	1	1	4*26 6*24
*SN8F5907C	64KB	2KB+256B	32Mhz	Int. 16K Ext. 32K	1	3	24	8-bit 24-bit	2+4 5+4	-	1	1	3	1	1	1	4*26 6*24
*SN8F59071C	64KB	2KB+256B	32Mhz	Int. 16K Ext. 32K	1	3	24	8-bit 24-bit	2+4 6+4	-	1	1	3	1	1	1	4*31 6*29

Note: a. All 8051 8-bit MCU Family have the Watchdog, Low Voltage Detector and Security function.

SN8F2900 Family Flash type Sensor-based SOC, ADC, LCD MCU

Part No.	ROM	RAM	System Clock	Low Clk	Timer T0	Timer/Count TC0 TC1 TC2			I/O	A/D		PWM Buzzer	DAC	OPA	UART	I ² C	SPI
										Resolution	Ch						
SN8F29E38	32K*16	6144	32K~8Mhz	Int. 32K	v	v	v	v	27	24-bit	8	2	12-bit	2	1	1	-
SN8F29E39	32K*16	6144	32K~8Mhz	Int. 32K	v	v	v	v	34	24-bit	15	2	12-bit	2	1	1	-
SN8F29E47	64K*16	6144	32K~8Mhz	Int. 32K	v	v	v	-	33	20-bit	15	2	12-bit	2	1	1	-
SN8F29E48	64K*16	6144	32K~8Mhz	Int. 32K	v	v	v	-	27	20-bit	12	2	12-bit	2	1	1	-
SN8F29E49	64K*16	6144	32K~8Mhz	Int. 32K	v	v	v	v	34	20-bit	15	2	12-bit	2	2	1	-

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.

SN8P2200 Family USB MCU

Part No.	ROM	RAM	System Clock	Low Clk	8bit Timer/Count T0 TC0 TC1 TC2				16-bit Timer T1	I/O	A/D		D/A	PWM Buzzer	SIO	MSP	UART	LCD
											Resolution	Ch						
SN8P2267	4K*16	160	6Mhz	Int. 32K	v	v	-	-	-	38	-	-	-	1	-	-	-	-
SN8P2267C	4K*16	160	6Mhz	Int. 32K	v	v	-	-	-	38	-	-	-	-	-	-	-	-
SN8P2267E	4K*16	192	6Mhz	Int. 32K	-	v	-	-	-	38	-	-	-	-	-	-	-	-

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.

Interrupt			Wake-up Pin No.	Stack Pointer	Package	Other Features	Operating Voltage
Int	Ext	Priority					
13	4	4-level	16	8-bit	LQFP64	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, BIA, DDS_DAC.	1.8V~5.5V
13	4	4-level	16	8-bit	LQFP64	1T, ISP, Int. 32MHz RC, High EFT, Embedded OCDS 1-Wire, RTC, BIA, DDS_DAC.	1.8V~5.5V
9	2	4-level	16	8-bit	LQFP100	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32Mhz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
9	2	4-level	16	8-bit	LQFP80	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32Mhz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
9	2	4-level	16	8-bit	LQFP64	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32Mhz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
10	4	4-level	16	8-bit	LQFP64	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32Mhz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V
10	4	4-level	16	8-bit	LQFP64	1T, C-Type LCD driver, Buzzer, RTC, ISP, Int. 32Mhz RC, High EFT, Embedded OCDS 1-Wire.	1.8V~5.5V

b. All 8051 8-bit MCU Family have the embedded OCDS one-wire interface. c. * = Underdevelopment.

LCD	Interrupt		Wake-up Pin No.	Stack	Package	Other Features	Operating Voltage
	Int	Ext					
32*4	6	2	16	16	LQFP80	UART, MSP, ISP, Int. 8MHz, RTC, Embedded ICE, OP, PGIA, DAC, C- Comparator, C-Type LCD	2.4V~3.6V
32*4	6	2	16	16	LQFP100	UART, MSP, ISP, Int. 8MHz, RTC, Embedded ICE, OP, PGIA, DAC, C- Comparator, C-Type LCD, LED driver	2.4V~3.6V
-	6	2	16	16	LQFP64	UART, MSP, ISP, Int. 8MHz, RTC, Embedded ICE, PGIA, Comparator, C-Type LCD, LED driver	2.4V~3.6V
32*4	6	2	16	16	LQFP80	UART, MSP, ISP, Int. 8MHz, RTC, Embedded ICE, PGIA, Comparator, C-Type LCD, LED driver	2.4V~3.6V
32*4	6	2	16	16	LQFP100	UART, MSP, ISP, Int. 8MHz, RTC, Embedded ICE, PGIA, Comparator, C-Type LCD, LED driver	2.4V~3.6V

c. * = Underdevelopment.

Interrupt		Wake-up Pin No.	Stack	Package	Other Features	Operating Voltage
Int	Ext					
4	1	24	8	LQFP48/QFN46	Low speed USB 2.0, Support Control/ 2 Interrupt	4.1V~5.5V
4	1	37	8	LQFP48/QFN46	Low speed USB 2.0, Support Control/ 2 Interrupt	4.1V~5.5V
5	1	37	8	LQFP48/QFN46	Low speed USB 2.0, Support Control/ 2 Interrupt	4.1V~5.5V

c. * = Underdevelopment.

SN8P2000 Family Advance High EFT, Fast Speed MCU

Part No.	ROM	RAM	System Clock	Low Clk	8bit Timer/Count				16-bit Timer T1	I/O	A/D		D/A	PWM Buzzer	SIO	LCD
					T0	TC0	TC1	TC2			Resolution	Ch				
SN8P2501B	1K*16	48	32K~16Mhz Int. 16K	v	v	-	-	-	-	12	-	-	-	1	-	-
SN8P25011B	1K*16	48	32K~16Mhz Int. 16K	v	v	-	-	-	-	6	-	-	-	1	-	-
SN8P2501D	1K*16	48	32K~16Mhz Int. 16K	v	v	-	-	-	-	12	-	-	-	1	-	-
SN8P25011D	1K*16	48	32K~16Mhz Int. 16K	v	v	-	-	-	-	6	-	-	-	1	-	-
*SN8P2501E	1K*16	48	32K~16Mhz Int. 16K	v	v	-	-	-	-	12	-	-	-	1	-	-
*SN8P25011E	1K*16	48	32K~16Mhz Int. 16K	v	v	-	-	-	-	6	-	-	-	1	-	-
SN8P2602C	1K*16	48	32K~16Mhz Int. 16K	v	v	-	-	-	-	16	-	-	-	1/1	-	-
SN8P2611	2K*16	64	32K~16Mhz Int. 16K	v	v	-	-	-	-	12	-	-	-	1	-	-
SN8P2612	2K*16	64	32K~16Mhz Int. 16K	v	v	-	-	-	-	16	-	-	-	1	-	-
SN8P2613	2K*16	64	32K~16Mhz Int. 16K	v	v	-	-	-	-	18	-	-	-	1	-	-
SN8P2604A	4K*16	128	32K~16Mhz Int. 16K	v	-	v	-	-	-	24	-	-	-	1	-	-
SN8P26042A	4K*16	128	32K~16Mhz Int. 16K	v	-	v	-	-	-	16	-	-	-	1	-	-
SN8P2614	6K*16	192	32K~16Mhz Int. 16K	v	-	v	-	-	-	26	-	-	-	1	-	-

ADC Type

SN8P2704A	4K*16	256	32K~16Mhz Int. 16K	v	v	v	-	-	-	18	12-bit	5	7bit*1	2	1	-
SN8P2705A	4K*16	256	32K~16Mhz Int. 16K	v	v	v	-	-	-	23	12-bit	8	7bit*1	2	1	-
SN8P2706A	4K*16	256	32K~16Mhz Int. 16K	v	v	v	-	-	-	30	12-bit	8	7bit*1	2	1	-
SN8P2707A	4K*16	256	32K~16Mhz Int. 16K	v	v	v	-	-	-	33	12-bit	8	7bit*1	2	1	-
SN8P2708A	4K*16	256	32K~16Mhz Int. 16K	v	v	v	-	-	-	36	12-bit	8	7bit*1	2	1	-
SN8P2711A	1K*16	64	32K~16Mhz Int. 16K	-	v	v	-	-	-	12	12-bit	5+1	-	2	-	-
SN8P27113A	1K*16	64	32K~16Mhz Int. 16K	-	v	v	-	-	-	8	12-bit	4+1	-	2	-	-
SN8P2711B	1K*16	64	32K~16Mhz Int. 16K	-	v	v	-	-	-	12	12-bit	5+1	-	2	-	-
SN8P271101B	1K*16	64	32K~16Mhz Int. 16K	-	v	v	-	-	-	6	12-bit	3+1	-	-	-	-
SN8P271102B	1K*16	64	32K~16Mhz Int. 16K	-	v	v	-	-	-	6	12-bit	3+1	-	1	-	-
SN8P27113B	1K*16	64	32K~16Mhz Int. 16K	-	v	v	-	-	-	8	12-bit	4+1	-	2	-	-
*SN8P2711C	2K*16	128	32K~16Mhz Int. 16K	-	v	v	v	-	-	12	12-bit	5+1	-	4	-	-
*SN8P27110C	2K*16	128	32K~16Mhz Int. 16K	-	v	v	v	-	-	14	12-bit	5+1	-	6	-	-
SN8P2712	2K*16	96	32K~16Mhz Int. 16K	v	v	-	-	-	-	16	12-bit	12	-	4	-	-
SN8P27124	2K*16	96	32K~16Mhz Int. 16K	v	v	-	-	-	-	14	12-bit	10	-	4	-	-
SN8P2722	2K*16	128	32K~16Mhz Int. 16K	v	v	-	-	-	-	18	12-bit	5	-	2	-	-
SN8P2722A	2K*16	128	32K~16Mhz Int. 16K	v	v	-	-	-	-	18	12-bit	5	-	2	-	-
SN8P2723	2K*16	128	32K~16Mhz Int. 16K	v	v	v	TC2&TC3	-	-	18	12-bit	12+1	-	7	-	-
SN8P27231	2K*16	128	32K~16Mhz Int. 16K	v	v	v	TC2&TC3	-	-	12	12-bit	7+1	-	3	-	-
SN8P27232	2K*16	128	32K~16Mhz Int. 16K	v	v	v	TC2&TC3	-	-	14	12-bit	9+1	-	5	-	-
SN8P2714	2K*16	128	32K~16Mhz Int. 16K	-	v	v	-	-	-	23	12-bit	8	7bit*1	2	-	-
SN8P27142	2K*16	128	32K~16Mhz Int. 16K	-	v	v	-	-	-	15	12-bit	5	-	2	-	-
SN8P27143	2K*16	128	32K~16Mhz Int. 16K	-	v	v	-	-	-	16	12-bit	6	-	2	-	-

Interrupt Int Ext		Wake-up Pin No.	Stack	Package	Other Features	Operating Voltage
2	1	5	4	DIP14/SOP14/SSOP16	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	1	5	4	DIP8/SOP8	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	1	5	4	DIP14/SOP14/SSOP16	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	1	5	4	DIP8/SOP8	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	1	5	4	DIP14/SOP14/SSOP16	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	1	5	4	DIP8/SOP8	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	1	8	4	DIP18/SOP18/SSOP20	1T, 2K/4K BZ, 5 pin 40mA sink I/O, Int. 16MHz RC, High EFT	2.2V~5.5V
2	1	6	4	DIP14/SOP14/SSOP16	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	1	8	4	DIP18/SOP18/SSOP20	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	2	10	4	DIP20/SOP20/SSOP20	1T, Int. 16MHz RC, High EFT	2.4V~5.5V
2	2	11	8	SKDIP28/SOP28/SSOP28	1T, General I/O, High EFT	2.4V~5.5V
2	2	11	8	PDIP20/SOP20/SSOP20	1T, General I/O, High EFT	2.4V~5.5V
2	2	13	8	SKDIP28/SOP28/SSOP28	4T, General I/O, High EFT, Int. 16MHz RC, 8 pin 200mA sink current I/O	2.4V~5.5V
5	3	8	8	SKDIP28/SOP28	1T, PWM, SIO, ADC, DAC	2.4V~5.5V
5	3	9	8	DIP32/SOP32	1T, PWM, SIO, ADC, DAC	2.4V~5.5V
5	3	9	8	DIP40	1T, PWM, SIO, ADC, DAC	2.4V~5.5V
5	3	9	8	QFP44	1T, PWM, SIO, ADC, DAC	2.4V~5.5V
5	3	11	8	DIP48/SSOP48	1T, PWM, SIO, ADC, DAC	2.4V~5.5V
3	2	5	4	DIP14/SOP14/SSOP16	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	-	2	4	MSOP10	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	2	5	4	DIP14/SOP14	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	-	3	4	DIP8	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	-	2	4	DIP8/SOP8	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	-	2	4	MSOP10	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	2	5	4	DIP14/SOP14	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	2	5	4	DIP16/SOP16	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.4V~5.5V
3	1	8	8	DIP18/SOP18/SSOP20	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.2V~5.5V
3	1	8	8	SOP16	1T, PWM, ADC, High EFT, Int. 16MHz RC	2.2V~5.5V
3	1	8	8	DIP20/SOP20/SSOP20	4T, PWM, ADC, 2K/4K BZ, High EFT, Int. 16MHz RC	2.4V~5.5V
3	1	8	8	DIP20/SOP20/SSOP20	4T, PWM, ADC, 2K/4K BZ, High EFT, Int. 16MHz RC	2.4V~5.5V
6	3	8	8	DIP20/SOP20/SSOP20/TSSOP20	1T, 8~32-bit PWM, 20mA I/O, Pull-up/down, ADC, Int Ref, Int. 16MHz RC, High EFT	2.2V~5.5V
6	2	5	8	DIP14/SOP14	1T, 8~32-bit PWM, 20mA I/O, Pull-up/down, ADC, Int Ref, Int. 16MHz RC, High EFT	2.2V~5.5V
6	2	5	8	DIP16/SOP16	1T, 8~32-bit PWM, 20mA I/O, Pull-up/down, ADC, Int Ref, Int. 16MHz RC, High EFT	2.2V~5.5V
2	2	3	8	SKDIP28/SOP28	1T, PWM, ADC, DAC	2.4V~5.5V
2	2	2	8	SOP18	1T, PWM, ADC	2.4V~5.5V
2	2	2	8	DIP20/SOP20/SSOP20	1T, PWM, ADC,	2.4V~5.5V

SN8P2000 Family Advance High EFT, Fast Speed MCU

Part No.	ROM	RAM	System Clock	Low Clk	8bit Timer/Count				16-bit Timer		I/O	A/D		D/A	PWM Buzzer	SIO	LCD
					T0	TC0	TC1	TC2	TI			Resolution	Ch				
SN8P2715	2K*16	128	32K~16Mhz	Int. 16K	-	v	v	-	-		27	12-bit	8	7bit*1	2	-	-
SN8P2732	6K*16	256	32K~16Mhz	Int. 16K	v	v	-	-	v		18	12-bit	7	-	3	-	-
SN8P2733	6K*16	256	32K~16Mhz	Int. 16K	v	v	-	-	v		22	12-bit	8	-	3	-	-
SN8P2734	6K*16	256	32K~16Mhz	Int. 16K	v	v	-	-	v		26	12-bit	8	-	4	-	-
SN8P2735	6K*16	256	32K~16Mhz	Int. 16K	v	v	-	-	v		30	12-bit	8	-	8	-	-
SN8P27411	4K*16	128	32K~16Mhz	Int. 16K	v	v	-	-	-		14	12-bit	6	-	2	-	-
SN8P2742	4K*16	128	32K~16Mhz	Int. 16K	v	v	-	-	-		18	12-bit	6	-	2	-	-
SN8P2743	4K*16	128	32K~16Mhz	Int. 16K	v	v	-	-	-		22	12-bit	8	-	2	-	-
SN8P2741A	4K*16	256	32K~16Mhz	Int. 16K	v	v	T1	T2	-		14	12-bit	7	-	2	-	-

RFC, LCD Type

SN8P2317	4K*16	128	32K~16Mhz	Ext. 32K	v	v	-	-	v		25	-	-	-	1	-	21*4
SN8P2318	4K*16	128	32K~16Mhz	Ext. 32K	v	v	-	-	v		29	-	-	-	1	-	32*4

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

SN8F2200 Family Flash Type USB MCU

Part No.	ROM	RAM	System Clock	Low Clk	8bit Timer/Count				16-bit Timer		I/O	A/D		D/A	PWM Buzzer	SIO	MSP	UART	LCD
					T0	TC0	TC1	TC2	TI			Resolution	Ch						
SN8F2251B	10K*16	512	12Mhz	Int. 24K	v	v	v	-	v		8	-	-	-	-	v	-	-	-
SN8F22511B	10K*16	512	12Mhz	Int. 24K	v	v	v	-	v		8	-	-	-	-	v	-	-	-
SN8F22521B	10K*16	512	12Mhz	Int. 24K	v	v	v	-	v		12	-	-	-	2	v	-	-	-
SN8F2253B	10K*16	512	12Mhz	Int. 24K	v	v	v	-	v		16	-	-	-	2	v	-	-	-
SN8F22531B	10K*16	512	12Mhz	Int. 24K	v	v	v	-	v		16	-	-	-	2	v	-	-	-
SN8F2255B	10K*16	512	12Mhz	Int. 24K	v	v	v	-	v		24	-	-	-	2	v	-	-	-
SN8F2267F	4K*16	192	3Mhz	Int. 32K	-	v	-	-	-		38	-	-	-	-	-	-	-	-
SN8F2283	12k*16	512	12Mhz	Int. 12K	v	v	v	v	v		12	-	-	-	-	-	-	v	-
SN8F22831	12k*16	512	12Mhz	Int. 12K	v	v	v	v	v		12	-	-	-	-	v	-	-	-
SN8F2288	12k*16	512	12Mhz	Int. 12K	v	v	v	v	v		38	12bit	8	-	3	v	v	v	-
SN8F22E83B	16k*16	1024	16Mhz	Int. 32K	v	v	v	v	v		18	12bit	6	-	1	v	-	-	-
SN8F22E831B	16k*16	1024	16Mhz	Int. 32K	v	v	v	v	v		18	12bit	6	-	3	v	-	-	-
SN8F22E84B	16k*16	1024	16Mhz	Int. 32K	v	v	v	v	v		22	12bit	7	-	4	v	-	-	-
SN8F22E87B	16k*16	1024	16Mhz	Int. 32K	v	v	v	v	v		37	12bit	16	-	6	v	-	-	-
SN8F22E88B	16k*16	1024	16Mhz	Int. 32K	v	v	v	v	v		39	12bit	16	-	6	v	-	-	-

Note: a. All 8-bit MCU Family have the Watchdog, Low Voltage Detector and Security function. b. SN8F2200 family is one clock per instruction cycle.

Interrupt Int Ext		Wake-up Pin No.	Stack	Package	Other Features	Operating Voltage
2	2	3	8	DIP32/SOP32	1T, PWM, ADC, DAC	2.4V~5.5V
5	3	8	8	DIP20/SOP20	1T, 12-bit PWM, ADC, CMPx1, OPAX1, High EFT, Int. 16MHz RC	1.8V~5.5V
6	3	11	8	SOP24	1T, 12-bit PWM, ADC, CMPx2, OPAX2, High EFT, Int. 16MHz RC	1.8V~5.5V
7	3	14	8	SKDIP28/SOP28	1T, 12-bit PWM, ADC, CMPx3, OPAX3, High EFT, Int. 16MHz RC	1.8V~5.5V
7	3	14	8	PDIP32/LQFP32	1T, 12-bit PWM, ADC, CMPx3, OPAX3, High EFT, Int. 16MHz RC	1.8V~5.5V
6	-	7	8	PDIP16/SOP16	4T, PWM, ADC, 2K/4K BZ, CMPx3, OPAX1, High EFT, Int. 16MHz RC	2.2V~5.5V
6	-	12	8	DIP20/SOP20	4T, PWM, ADC, 2K/4K BZ, CMPx3, OPAX1, High EFT, Int. 16MHz RC	2.2V~5.5V
6	1	14	8	SOP24	4T, PWM, ADC, 2K/4K BZ, CMPx3, OPAX1, High EFT, Int. 16MHz RC	2.2V~5.5V
10	1	6	8	PDIP16/SOP16	4T, PWM, ADC, 2K/4K BZ, CMPx3, OPAX1, UART, High EFT, Int. 16MHz RC	2.2V~5.5V
3	2	12	8	LQFP48	1T, RTC, Int. 16MHz PLL, 16-bit Timer, 5-ch RFC, C-type LCD	2.2V~5.5V
3	2	12	8	LQFP64	1T, RTC, Int. 16MHz PLL, 16-bit Timer, 5-ch RFC, C-type LCD	2.2V~5.5V

b. SN8P2000 family is one clock per instruction cycle (except SN8P2614). c. * = Underdevelopment.

Interrupt Int Ext		Wake-up Pin No.	Stack	Package	Other Features	Operating Voltage
7	2	3	8	QFN16	Full speed USB 2.0, Support Control/ 3 Interrupt	4.0V~5.5V
7	2	3	8	SSOP16	Full speed USB 2.0, Support Control/ 3 Interrupt	4.0V~5.5V
7	2	5	8	SOP/SSOP20	Full speed USB 2.0, Support Control/ 3 Interrupt	4.0V~5.5V
7	2	7	8	SOP24	Full speed USB 2.0, Support Control/ 3 Interrupt	4.0V~5.5V
7	2	7	8	QFN24	Full speed USB 2.0, Support Control/ 3 Interrupt	4.0V~5.5V
7	2	13	8	LQFP32	Full speed USB 2.0, Support Control/ 3 Interrupt	4.0V~5.5V
5	1	37	8	LQFP48/QFN46	Low speed USB 2.0, Support Control/ 2 Interrupt	4.1V~5.5V
8	4	10	8	QFN24	Full speed USB 2.0, Support Control/ 4 Interrupt(Bulk)	4.0V~5.5V
8	4	10	8	QFN24	Full speed USB 2.0, Support Control/ 4 Interrupt(Bulk)	4.0V~5.5V
11	4	16	8	LQFP48/QFN48	Full speed USB 2.0, ADC Support Control/ 4 Interrupt(Bulk)	4.0V~5.5V
11	4	7	8	QFN24	Full speed USB 2.0, ADC Support Control/ 6 Interrupt(Bulk), ISO	1.8V~5.5V
11	4	7	8	SSOP24	Full speed USB 2.0, ADC Support Control/ 6 Interrupt(Bulk), ISO	1.8V~5.5V
11	4	10	8	SOP28	Full speed USB 2.0, ADC Support Control/ 6 Interrupt(Bulk), ISO	1.8V~5.5V
11	4	14	8	QFN46	Full speed USB 2.0, ADC Support Control/ 6 Interrupt(Bulk), ISO	1.8V~5.5V
11	4	16	8	LQFP48	Full speed USB 2.0, ADC Support Control/ 6 Interrupt(Bulk), ISO	1.8V~5.5V

c. * = Underdevelopment.

SN8F2000 Family Flash type Advance High EFT, Fast Speed MCU

Part No.	ROM	RAM	System Clock	Low Clk	8bit Timer/Count				16-bit Timer		I/O	A/D		D/A	PWM Buzzer	SIO	LCD
					T0	TC0	TC1	TC2	T1			Resolution	Ch				
I/O Type																	
SN8F26E61	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	v	13	-	-	-	3	1	-	
SN8F26E61L	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	v	13	-	-	-	3	1	-	
SN8F26E611	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	v	7/11	-	-	-	3	1	-	
SN8F26E611L	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	v	7/11	-	-	-	3	1	-	
SN8F26E64	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	26	-	-	-	3	1	-	
SN8F26E64L	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	26	-	-	-	3	1	-	
SN8F26E65	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	30	-	-	-	3	1	-	
SN8F26E65L	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	30	-	-	-	3	1	-	
SN8F25E21	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	14	-	-	-	1	1	-	
SN8F25E21L	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	14	-	-	-	1	1	-	
SN8F25E24	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	26	-	-	-	3	1	-	
SN8F25E24L	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	26	-	-	-	3	1	-	
SN8F25E25	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	30	-	-	-	3	1	-	
SN8F25E25L	8K*16	1K	32K~16Mhz	Int. 16K	v	v	v	v	-	30	-	-	-	3	1	-	
ADC Type																	
SN8F27E23	4K*16	128	4M~32Mhz	Int. 16K	v	v	v	TC2&TC3	-	18	12-bit	12+1	-	7	1	-	
SN8F27E61	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	-	13	10-bit	8	-	3	1	-	
SN8F27E61L	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	-	13	10-bit	8	-	3	1	-	
SN8F27E611	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	-	7/11	10-bit	8	-	3	1	-	
SN8F27E611L	2K*16	128	32K~16Mhz	Int. 16K	v	v	v	v	-	7/11	10-bit	8	-	3	1	-	
SN8F27E62	6K*16	512	32K~16Mhz	Int. 16K	v	v	v	v	v	17	10-bit	9	-	3	-	-	
SN8F27E62L	6K*16	512	32K~16Mhz	Int. 16K	v	v	v	v	v	17	10-bit	9	-	3	-	-	
SN8F27E63L	6K*16	512	32K~16Mhz	Int. 16K	v	v	v	v	v	21	10-bit	8	-	3	1	-	
SN8F27E64	6K*16	512	32K~16Mhz	Int. 16K	v	v	v	v	v	25	10-bit	11	-	3	1	-	
SN8F27E64L	6K*16	512	32K~16Mhz	Int. 16K	v	v	v	v	v	25	10-bit	11	-	3	1	-	
SN8F27E65	6K*16	512	32K~16Mhz	Int. 16K	v	v	v	v	v	27	10-bit	12	-	3	1	-	
SN8F27E65L	6K*16	512	32K~16Mhz	Int. 16K	v	v	v	v	v	27	10-bit	12	-	3	1	-	

Note: a. All Flash 8-bit MCU Family have the Watchdog, Low Voltage Detector and Security function.

Interrupt		Wake-up	Stack	Package	Other Features	Operating Voltage
Int	Ext	Pin No.				
10	1	13	8	DIP16/SOP16/SSOP16/QFN16	1T, UART, SIO, Comparator, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
10	1	13	8	DIP16/SOP16/SSOP16/QFN16	1T, UART, SIO, Comparator, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
10	1	7/11	8	MSOP10/PDIP14/SOP14	1T, UART, SIO, Comparator, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
10	1	7/11	8	MSOP10/PDIP14/SOP14	1T, UART, SIO, Comparator, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
9	2	16	8	SKDIP28/SOP28/SSOP28	1T, UART, SIO, MSP, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
9	2	16	8	SKDIP28/SOP28/SSOP28	1T, UART, SIO, MSP, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
9	2	16	8	LQFP32	1T, UART, SIO, MSP, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
9	2	16	8	LQFP32	1T, UART, SIO, MSP, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
10	2	6	8	SOP16	1T, UART, SIO, MSP, PWM, ISP, Compactor, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
10	2	6	8	SOP16	1T, UART, SIO, MSP, PWM, ISP, Compactor, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
10	2	16	8	SKDIP28/SOP28/SSOP28/QFN28	1T, UART, SIO, MSP, PWM, ISP, Compactor, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
10	2	16	8	SKDIP28/SOP28/SSOP28/QFN28	1T, UART, SIO, MSP, PWM, ISP, Compactor, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
10	2	16	8	LQFP32/QFN32	1T, UART, SIO, MSP, PWM, ISP, Compactor, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
10	2	16	8	LQFP32/QFN32	1T, UART, SIO, MSP, PWM, ISP, Compactor, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
10	3	8	8	DIP20/SOP20/SSOP20/TSSOP20	1T, UART, SIO, 8~32-bit PWM, 20mA I/O, pull-up/down, ADC, Int Ref, Int. 32MHz RC, High EFT, Embedded ICE	1.8V~5.5V
9	1	13	8	DIP16/SOP16/SSOP16/QFN16	1T, UART, SIO, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
9	1	13	8	DIP16/SOP16/SSOP16/QFN16	1T, UART, SIO, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
9	1	7/11	8	MSOP10/DIP14/SOP14	1T, UART, SIO, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
9	1	7/11	8	MSOP10/DIP14/SOP14	1T, UART, SIO, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
10	1	8	8	DIP20/SOP20	1T, UART, SIO, 2-wired Interface, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
10	1	8	8	DIP20/SOP20	1T, UART, SIO, 2-wired Interface, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
11	2	13	8	QFN24	1T, UART, SIO, 2-wired Interface, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
11	2	14	8	SKDIP28/SOP28/SSOP28/QFN28	1T, UART, SIO, 2-wired Interface, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
11	2	14	8	SKDIP28/SOP28/SSOP28/QFN28	1T, UART, SIO, 2-wired Interface, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V
11	2	15	8	DIP32/SIP32/LQFP32/QFN32	1T, UART, SIO, 2-wired Interface, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~5.5V
11	2	15	8	DIP32/SIP32/LQFP32/QFN32	1T, UART, SIO, 2-wired Interface, ADC, PWM, ISP, Int. 16MHz RC, High EFT, Embedded ICE	1.8V~3.3V

b. All Flash 8-bit MCU Family have the embedded ICE 2-wire interface.

c. * = Underdevelopment.

SN32F600 Family: ARM 32bit Cortex-M0 MCU with Type-C Power Delivery

Part No.	ROM	RAM	System Clock	BMC PHY	DPDM QC IO	Shunt LDO	Timer
Type-C PD Type for Source Application							
SN32F601E	32KB	4KB	16K~48MHz	1	1	1	3
SN32F602K	32KB	4KB	16K~48MHz	1	1	1	3
SN32F603M	32KB	4KB	16K~48MHz	1	1	1	3

SNPD1820 Family: ARM 32bit Cortex-M0 MCU with Type-C Power Delivery

Part No.	ROM	RAM	System Clock	BMC PHY	DPDM QC IO	Shunt LDO	Timer
Type-C PD Type for Source Application							
SNPD1827M	32KB	8KB	32K~60MHz	1	1	1	4
SNPD1838T	32KB	8KB	32K~60MHz	1	1	1	4

Note: a. All 32-bit MCU Family have the Watchdog, Low Voltage Detector and Security function. b. All 32-bit MCU Family have the embedded SWD interface.

SNPD1600 Family: 8051 8-bit MCU with Type-C Power Delivery

Part No.	ROM	RAM	System Clock	BMC PHY	DPDM QC IO	Shunt LDO	Timer
Type-C PD Type for Source Application							
SNPD1681C	16KB	1.25KB	4M~32MHz	1	-	1	2
SNPD1682E	16KB	1.25KB	4M~32MHz	1	1	1	2
SNPD1683F	16KB	1.25KB	4M~32MHz	1	1	1	2
SNPD1684H	16KB	1.25KB	4M~32MHz	1	1	1	2
Type-C PD Type for Source Application							
SNPD1691C	16KB	1KB	6MHz	1	-	1	2
SNPD1692E	16KB	1KB	6MHz	1	1	1	2
SNPD1693F	16KB	1KB	6MHz	1	1	1	2

SNPD5100 Family: 8051 8-bit MCU with Type-C Power Delivery

Part No.	ROM	RAM	System Clock	BMC PHY	DPDM QC IO	Shunt LDO	Timer
Type-C PD Type for Source Application							
SNPD5111	16KB	0.768KB	16MHz	1	1	1	2
SNPD51111	16KB	0.768KB	16MHz	1	1	1	2
SNPD51112	16KB	0.768KB	16MHz	1	-	1	2

LSCSA	I/O	A/D Resolution Ch		PWM	Package	Operating Voltage
I	0	12-bit	-	-	SOP14	3.0V~30V
I	6	12-bit	2	2	TSSOP24	3.0V~30V
I	9	12-bit	5	4	QFN32	3.0V~30V

LSCSA	UART	IIC	Comparator	I/O	A/D Resolution Ch		PWM	Package	Operating Voltage
I	I	2	2	14	12-bit	7	11	QFN32	3.0V~30V
I	2	I	I	24	12-bit	6	4	QFN48	3.0V~56V

c.* = Underdevelopment.

LSCSA	I/O	A/D Resolution Ch		PWM	Package	Operating Voltage
I	0	12-bit	-	-	SOP10	3.0V~30V
I	0	12-bit	-	-	SOP14	3.0V~30V
I	2	12-bit	2	-	QFN16	3.0V~30V
I	4	12-bit	3	-	QFN20	3.0V~30V
I	0	12-bit	-	-	SOP10	3.0V~30V
I	0	12-bit	-	-	SOP14	3.0V~30V
I	2	12-bit	2	-	QFN16	3.0V~30V

LSCSA	I/O	A/D Resolution Ch		PWM	Package	Operating Voltage
I	2	12-bit	9	I	QFN16	3.3V~24V
I	I	12-bit	7	I	SOP14	3.3V~24V
I	0	12-bit	4	I	SOP10	3.3V~24V

SNPD1700 Family: 8051 8-bit MCU with Type-C Power Delivery

Part No.	ROM	RAM	System Clock	BMC PHY	DPDM QC IO	Shunt LDO	Timer
Type-C PD Type for Source Application							
SNPD1711C	16KB	1.25KB	4M~32MHz	1	-	1	2
SNPD1712E	16KB	1.25KB	4M~32MHz	1	1	1	2
SNPD1713F	16KB	1.25KB	4M~32MHz	1	1	1	2
SNPD1714H	16KB	1.25KB	4M~32MHz	1	1	1	2
Type-C PD Type for Source Application							
SNPD1721C	16KB	1KB	6MHz	1	-	1	2
SNPD1722E	16KB	1KB	6MHz	1	1	1	2
SNPD1723F	16KB	1KB	6MHz	1	1	1	2
Type-C PD Type for Source Application							
SNPD1733F	16KB	1.25KB	4M~32MHz	1	1	1	2
SNPD1734H	16KB	1.25KB	4M~32MHz	1	1	1	2

SN34F700 Family Flash Type ARM 32bit Cortex-M4 MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	A/D Resolution Ch		D/A	PWM	SPI	IIS	IIC	LCD	UART
SN34F785	512KB	160KB	32K~192Mhz	Int. 32K	-	9	27	12-bit	9	-	35	3	3	3	-	6
SN34F787	512KB	160KB	32K~192Mhz	Int. 32K	-	9	41	12-bit	10	-	40	3	3	3	V	6
SN34F788	512KB	160KB	32K~192Mhz	Int. 32K	-	9	55	12-bit	16	-	40	3	3	3	V	6

SN34F200 Family Flash Type ARM 32bit Cortex-M4 USB MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	A/D		D/A	PWM	SPI	IIS	IIC	LCD	UART
								Resolution	Ch							
SN34F285	512KB	160KB	32K~192Mhz	Int. 32K	-	9	22	12-bit	9	-	26	2	2	3	-	6
SN34F2852	512KB	160KB	32K~192Mhz	Int. 32K	-	9	22	12-bit	8	-	26	2	2	3	-	5
SN34F287	512KB	160KB	32K~192Mhz	Int. 32K	-	9	36	12-bit	10	-	32	3	3	3	-	6
SN34F288	512KB	160KB	32K~192Mhz	Int. 32K	-	9	50	12-bit	16	-	32	3	3	3	V	6
SN34F289	512KB	160KB	32K~192Mhz	Int. 32K	-	9	54	12-bit	16	-	32	3	3	3	V	6

Note: a. All 32-bit MCU Family have the Watchdog, Low Voltage Detector and Security function. b. All 32-bit MCU Family have the embedded SWD interface.

LSCSA	I/O	A/D		PWM	Package	Operating Voltage
		Resolution	Ch			
I	0	12-bit	-	-	SOP10	3.0V~30V
I	0	12-bit	-	-	SOP14	3.0V~30V
I	2	12-bit	2	-	QFN16	3.0V~30V
I	4	12-bit	3	-	QFN20	3.0V~30V
I	0	12-bit	-	-	SOP10	3.0V~30V
I	0	12-bit	-	-	SOP14	3.0V~30V
I	2	12-bit	2	-	QFN16	3.0V~30V
I	2	12-bit	2	-	QFN16	3.0V~30V
I	4	12-bit	3	-	QFN20	3.0V~30V

Comparator	Interrupt		Wake-up Pin No.	Package	Other Features	Operating Voltage
	Int	Ext				
-	52	4	27	LQFP32 QFN32	Boot loader, 12MHz RC, RTC, PWM with programmable dead-band, 2 CAN2.0 A/B, DMA, CRC	2.4V~3.6V
-	56	4	41	LQFP48	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, EBI, SDIO, 2 CAN2.0 A/B, DMA, CRC	2.4V~3.6V
-	58	4	55	LQFP64	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, EBI, SDIO, Ethernet, 2 CAN2.0 A/B, DMA, CRC	2.4V~3.6V

Comparator	Interrupt		Wake-up Pin No.	Package	Other Features	Operating Voltage
	Int	Ext				
-	53	4	22	QFN32	Boot loader, 12MHz RC, RTC, PWM with programmable dead-band, HS USB, CAN2.0 A/B, DMA, CRC	2.4V~3.6V
-	53	4	22	QFN32	Boot loader, 12MHz RC, RTC, PWM with programmable dead-band, HS USB, CAN2.0 A/B, DMA, CRC	2.4V~3.6V
-	54	4	36	LQFP48	Boot loader, 12MHz RC, RTC, PWM with programmable dead-band, HS USB, SDIO, CAN2.0 A/B, DMA, CRC	2.4V~3.6V
-	59	4	50	LQFP64	Boot loader, 12MHz RC, RTC, PWM with programmable dead-band, HS USB, SDIO, CAN2.0 A/B, DMA, CRC, EBI, Ethernet	2.4V~3.6V
-	59	4	54	LQFP80	Boot loader, 12MHz RC, RTC, PWM with programmable dead-band, HS USB, SDIO, CAN2.0 A/B, DMA, CRC, EBI, Ethernet	2.4V~3.6V

c.* = Underdevelopment.

SN32F700 Family Flash Type ARM 32bit Cortex-M0 MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	A/D Resolution Ch	D/A	PWM	SPI	IIS	IIC	LCD	UART
ADC Type															
SN32F773	32KB	4KB	16K~48Mhz	Int. 16K	-	2	22	12-bit	4+1	-	9	-	-	-	1
SN32F774	32KB	4KB	16K~48Mhz	Int. 16K	-	2	26	12-bit	5+1	-	10	-	-	-	1
SN32F7741	32KB	4KB	16K~48Mhz	Int. 16K	-	2	26	12-bit	5+1	-	10	-	-	-	1
SN32F702B	32KB	8KB	16K~48Mhz	Int. 6K	-	3	17	12-bit	3+1	-	8	1	-	1	2
SN32F704	32KB	8KB	16K~48Mhz	Int. 16K	2	1	23	12-bit	2	-	10	1	1	1	1
SN32F704B	32KB	8KB	16K~48Mhz	Int. 16K	-	3	24	12-bit	2+1	-	10	1	-	1	1
SN32F7051B	32KB	8KB	16K~48Mhz	Int. 16K	-	3	29	12-bit	8+1	-	11	-	-	1	2
SN32F705	32KB	8KB	16K~50Mhz	Int. 16K	2	2	27	12-bit	5	-	11	1	1	2	1
SN32F705B	32KB	8KB	16K~48Mhz	Int. 16K	-	3	28	12-bit	5+1	-	11	1	-	1	1
SN32F706	32KB	8KB	16K~50Mhz	Int. 16K	2	2	41	12-bit	10	-	13	2	1	2	1
SN32F706B	32KB	8KB	16K~48Mhz	Int. 6K	-	3	42	12-bit	10+1	-	13	1	-	1	1
SN32F707	32KB	8KB	16K~50Mhz	Int. 16K	2	2	43	12-bit	10	-	13	2	1	2	2
SN32F707B	32KB	8KB	16K~48Mhz	Int. 16K	-	3	44	12-bit	10+1	-	13	1	-	1	2
ADC, LCD Type															
SN32F755	32KB	4KB	32K~50Mhz	Int. 32K	3	3	26	12-bit	4	-	21	2	-	2	2
SN32F756	32KB	4KB	32K~50Mhz	Int. 32K	3	3	40	12-bit	7	-	21	2	1	2	17*4
SN32F757	32KB	4KB	32K~50Mhz	Int. 32K	3	3	42	12-bit	8	-	21	2	1	2	18*4
SN32F758	32KB	4KB	32K~50Mhz	Int. 32K	3	3	57	12-bit	11	-	21	2	1	2	28*4
SN32F759	32KB	4KB	32K~50Mhz	Int. 32K	3	3	64	12-bit	14	-	21	2	1	2	32*4
SN32F765	64KB	8KB	32K~50Mhz	Int. 32K	3	3	26	12-bit	4	-	21	2	-	2	2
SN32F7651B	64KB	8KB	16K~48Mhz	Int. 32K	-	2	27	12-bit	6+1	-	17	-	-	1	3
SN32F7652B	64KB	8KB	16K~48Mhz	Int. 32K	-	2	27	12-bit	6+1	-	17	1	-	1	1
SN32F7653C	128KB	32KB	16K~48Mhz	Int. 32K	-	2	26	12-bit	4+1	-	13	1	-	2	3
*SN32F7653D	64KB	8KB	16K~48Mhz	Int. 32K	-	2	26	12-bit	7+1	-	13	2	-	1	3
SN32F766	64KB	8KB	32K~50Mhz	Int. 32K	3	3	40	12-bit	7	-	21	2	1	2	17*4
SN32F766B	64KB	8KB	16K~48Mhz	Int. 32K	-	2	42	12-bit	12+1	-	24	1	-	1	3
SN32F7661B	64KB	8KB	16K~48Mhz	Int. 32K	-	2	40	12-bit	9+1	-	23	-	-	-	3
SN32F767	64KB	8KB	32K~50Mhz	Int. 32K	3	3	42	12-bit	8	-	21	2	1	2	18*4
SN32F767B	64KB	8KB	16K~48Mhz	Int. 32K	-	2	44	12-bit	13+1	-	24	1	-	1	3
SN32F768	64KB	8KB	32K~50Mhz	Int. 32K	3	3	57	12-bit	11	-	21	2	1	2	28*4
SN32F768B	64KB	8KB	16K~48Mhz	Int. 32K	-	2	60	12-bit	16+1	-	24	1	-	1	3
SN32F769	64KB	8KB	32K~50Mhz	Int. 32K	3	3	64	12-bit	14	-	21	2	1	2	32*4
SN32F788	128KB	32KB	32K~72Mhz	Int. 32K	-	6	60	12-bit	16+3	-	36	2	2	2	35*4 33*6 32*7 31*8

Comparator	Interrupt		Wake-up Pin No.	Package	Other Features	Operating Voltage
	Int	Ext				
1	7	3	22	SOP24/TSSOP24	48 MHz RC, 4 pin 100mA sinking current I/O, PWM with programmable dead-band	1.8V~5.5V
1	7	3	26	SOP28/TSSOP28	48 MHz RC, 4 pin 100mA sinking current I/O, PWM with programmable dead-band	1.8V~5.5V
1	7	3	26	QFN28	48 MHz RC, 4 pin 100mA sinking current I/O, PWM with programmable dead-band	1.8V~5.5V
1	10	4	17	SOP20	Boot loader, RTC, 12MHz RC, PWM with programmable dead-band	1.8V~5.5V
-	13	4	10	SSOP28/TSSOP28	Boot loader, RTC, 20mA I/O, 12MHz RC	1.8V~3.6V
1	11	4	24	SSOP28	Boot loader, RTC, 12MHz RC, PWM with programmable dead-band	1.8V~5.5V
2	12	4	29	LQFP32	Boot loader, RTC, 12MHz RC, PWM with programmable dead-band	1.8V~5.5V
-	14	4	11	QFN33	Boot loader, RTC, 20mA I/O, 12MHz RC	1.8V~3.6V
2	12	4	28	QFN33	Boot loader, RTC, 12MHz RC, PWM with programmable dead-band	1.8V~5.5V
-	15	4	11	QFN46	Boot loader, RTC, 20mA I/O, 12MHz RC	1.8V~3.6V
2	12	4	42	QFN46	Boot loader, RTC, 12MHz RC, PWM with programmable dead-band	1.8V~5.5V
-	16	4	13	LQFP48	Boot loader, RTC, 20mA I/O, 12MHz RC	1.8V~3.6V
2	13	4	44	LQFP48	Boot loader, RTC, 12MHz RC, PWM with programmable dead-band	1.8V~5.5V
-	16	4	26	QFN33	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	18	4	40	QFN46	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	18	4	42	LQFP48	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	18	4	57	LQFP64	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	18	4	64	LQFP80	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	16	4	26	QFN33	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	9	4	27	QFN33	Boot loader, 48MHz RC, 20mA I/O	2.5V~5.5V
-	8	4	27	QFN33	Boot loader, 48MHz RC, 20mA I/O	2.5V~5.5V
-	11	4	26	QFN32	Boot loader, 12MHz RC, PWM, 20mA I/O, 9pin 420mA High Sink I/O, ARGB, I ² C, CRC	2.5V~5.5V
-	13	4	26	QFN32	Boot loader, 12MHz RC, PWM, 20mA I/O, ARGB, I ² C, CRC	1.8V~5.5V
-	18	4	40	QFN46	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	10	4	42	QFN46	Boot loader, 48MHz RC, 20mA I/O	2.5V~5.5V
-	8	4	40	LQFP44	Boot loader, 48MHz RC, 20mA I/O	2.5V~5.5V
-	18	4	42	LQFP48	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	10	4	44	LQFP48	Boot loader, 48MHz RC, 20mA I/O	2.5V~5.5V
-	18	4	57	LQFP64	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
-	10	4	60	LQFP64	Boot loader, 48MHz RC, 20mA I/O	2.5V~5.5V
-	18	4	64	LQFP80	Boot loader, RTC, 20mA I/O, 12MHz RC, HW divider	1.8V~5.5V
3	26	4	60	LQFP64	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V

SN32F700 Family Flash Type ARM 32bit Cortex-M0 MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	A/D		D/A	PWM	SPI	IIS	IIC	LCD	UART
								Resolution	Ch							
SN32F795	256KB	32KB	32K~72Mhz	Int. 32K	-	6	29	12-bit	10+3	-	30	1	2	2	-	4
SN32F7951	256KB	32KB	32K~72Mhz	Int. 32K	-	6	30	12-bit	9+3	-	31	2	2	2	-	4
SN32F797	256KB	32KB	32K~72Mhz	Int. 32K	-	6	44	12-bit	10+3	-	36	2	2	2	21*4	4
SN32F798	256KB	32KB	32K~72Mhz	Int. 32K	-	6	60	12-bit	16+3	-	36	2	2	2	35*4 33*6 32*7 31*8	4
SN32F799	256KB	32KB	32K~72Mhz	Int. 32K	-	6	76	12-bit	16+3	-	36	2	2	2	40*4 38*6 37*7 36*8	4

ADC, DAC Type

SN32F805	32KB	8KB	16K~60Mhz	Int. 16K	-	4	29	12-bit	12+2	4	20	1	-	2	-	2
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SN32F100 Family Flash Type ARM 32bit Cortex-M0 MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	CODEC A/D D/A	PWM	SPI	IIS	IIC	LCD	UART	Comparator
SN32F107	64KB	8KB	16K~50Mhz	Int. 16K	2	2	32	16-bit 16-bit	4	1	-	2	-	1	8-ch
SN32F108	64KB	8KB	16K~50Mhz	Int. 16K	2	2	46	16-bit 16-bit	6	1	-	2	-	2	17-ch
SN32F109	64KB	8KB	16K~50Mhz	Int. 16K	2	2	62	16-bit 16-bit	6	2	1	2	-	2	24-ch

SN32F400 Family Flash Type ARM 32bit Cortex-M0 MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	A/D Resolution Ch	D/A	PWM	SPI	IIS	IIC	LCD	UART	
ADC, DAC Type																
SN32F403	32KB	8KB	32K~60Mhz	Int. 32K	-	3	23	12-bit	11+3	-	16	1	-	1	-	2
SN32F405	32KB	8KB	32K~60Mhz	Int. 32K	-	3	30	12-bit	16+3	-	16	1	-	1	-	2
SN32F407	32KB	8KB	32K~60Mhz	Int. 32K	-	3	46	12-bit	16+3	-	16	1	-	1	-	2

Comparator	Interrupt Int Ext		Wake-up Pin No.	Package	Other Features	Operating Voltage
3	25	4	29	LQFP32/QFN32	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, 1 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	26	4	30	LQFP32	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, 2 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	26	4	44	LQFP48	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	26	4	60	LQFP64	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	26	4	76	LQFP80	Boot loader, 12MHz RC, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
2	23	4	30	QFN32/LQFP32	Boot loader, 12MHz RC, RTC, PWM with programmable dead-band, Temperature sensor, CRC	1.8V~5.5V

	Interrupt Int Ext		Wake-up Pin No.	Package	Other Features	Operating Voltage
12	4		32	LQFP48	Boot loader, RTC, 20mA I/O, 12MHz RC	1.8V~3.6V
13	4		46	LQFP64	Boot loader, RTC, 20mA I/O, 12MHz RC	1.8V~3.6V
15	4		62	LQFP80	Boot loader, RTC, 20mA I/O, 12MHz RC	1.8V~3.6V

Comparator	Interrupt Int Ext		Wake-up Pin No.	Package	Other Features	Operating Voltage
4	21	4	23	QFN24	Boot loader, 48MHz RC, RTC, OPA with PGA, PWM with programmable dead-band, FOC, ACC, 30mA I/O, CRC	1.8V~5.5V
4	21	4	30	QFN32/ LQFP32	Boot loader, 48MHz RC, RTC, OPA with PGA, PWM with programmable dead-band, FOC, ACC, 30mA I/O, CRC	1.8V~5.5V
4	21	4	46	LQFP48	Boot loader, 48MHz RC, RTC, OPA with PGA, PWM with programmable dead-band, FOC, ACC, 30mA I/O, CRC	1.8V~5.5V

SN32F200 Family Flash Type ARM 32bit Cortex-M0 USB MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	A/D Resolution	D/A Ch	PWM	SPI	IIS	IIC	LCD	UART
USB Type															
SN32F235	32KB	4KB	32K~50Mhz	Int. 32K	3	3	23	12-bit	4	-	21	2	-	2	-
SN32F236	32KB	4KB	32K~50Mhz	Int. 32K	3	3	37	12-bit	6	-	21	2	1	2	15*4
SN32F237	32KB	4KB	32K~50Mhz	Int. 32K	3	3	39	12-bit	8	-	21	2	1	2	15*4
SN32F238	32KB	4KB	32K~50Mhz	Int. 32K	3	3	55	12-bit	11	-	21	2	1	2	28*4
SN32F239	32KB	4KB	32K~50Mhz	Int. 32K	3	3	64	12-bit	14	-	21	2	1	2	32*4
SN32F245	64KB	8KB	32K~50Mhz	Int. 32K	3	3	23	12-bit	4	-	21	2	-	2	-
SN32F2451B	64KB	8KB	32K~48Mhz	Int. 32K	-	2	24	12-bit	6+1	-	17	1	-	1	-
SN32F2451C	128KB	32KB	32K~48Mhz	Int. 32K	-	2	24	12-bit	6+1	-	17	2	-	2	-
*SN32F2451D	64KB	8KB	32K~48Mhz	Int. 32K	-	2	24	12-bit	9	-	17	2	-	2	-
SN32F246	64KB	8KB	32K~50Mhz	Int. 32K	3	3	37	12-bit	6	-	21	2	1	2	15*4
SN32F246B	64KB	8KB	32K~48Mhz	Int. 32K	-	2	39	12-bit	11+1	-	23	1	-	1	-
SN32F247	64KB	8KB	32K~50Mhz	Int. 32K	3	3	39	12-bit	8	-	21	2	1	2	15*4
SN32F247B	64KB	8KB	32K~48Mhz	Int. 32K	-	2	41	12-bit	13+1	-	24	1	-	1	-
SN32F247C	128KB	32KB	32K~48Mhz	Int. 32K	-	2	41	12-bit	13+1	-	24	2	-	2	-
*SN32F247D	64KB	8KB	32K~48Mhz	Int. 32K	-	2	41	12-bit	18	-	24	2	-	2	-
SN32F248	64KB	8KB	32K~50Mhz	Int. 32K	3	3	55	12-bit	11	-	21	2	1	2	28*4
SN32F248B	64KB	8KB	32K~48Mhz	Int. 32K	-	2	57	12-bit	16+1	-	24	1	-	1	-
SN32F248C	128KB	32KB	32K~48Mhz	Int. 32K	-	2	57	12-bit	16+1	-	24	2	-	2	-
*SN32F248D	64KB	8KB	32K~48Mhz	Int. 32K	-	2	57	12-bit	21	-	24	2	-	2	-
SN32F249	64KB	8KB	32K~50Mhz	Int. 32K	3	3	64	12-bit	14	-	21	2	1	2	32*4
SN32F263	32KB	2KB	32K~48Mhz	Int. 32K	-	2	18	12-bit	-	-	11	1	-	1	-
SN32F264	32KB	2KB	32K~48Mhz	Int. 32K	-	2	22	12-bit	-	-	11	1	-	1	-
SN32F2641	32KB	2KB	32K~48Mhz	Int. 32K	-	2	22	12-bit	-	-	13	1	-	1	-

Comparator	Interrupt		Wake-up Pin No.	Package	Other Features	Operating Voltage
	Int	Ext				
-	18	4	23	QFN32	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	20	4	37	QFN46	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	20	4	39	LQFP48	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	20	4	55	LQFP64	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	20	4	64	LQFP80	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	18	4	23	QFN32	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	10	4	24	QFN32	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	12	4	24	QFN32	Boot loader, 12MHz RC, FS USB 2.0 with Control and 8 Endpoints, PWM, 20mA I/O, 7pin 420mA High Sink I/O, ARGB, CRC	2.5V~5.5V
-	14	4	24	QFN32	Boot loader, 12MHz RC, FS USB 2.0 with Control and 8 Endpoints, PWM, ARGB, CRC	1.8V~5.5V
-	20	4	37	QFN46	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	12	4	39	QFN46	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	20	4	39	LQFP48	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	12	4	41	LQFP48	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	14	4	41	LQFP48	Boot loader, 12MHz RC, FS USB 2.0 with Control and 8 Endpoints, PWM, 20mA I/O, 11pin 420mA High Sink I/O, ARGB, CRC	2.5V~5.5V
-	16	4	41	LQFP48	Boot loader, 12MHz RC, FS USB 2.0 with Control and 8 Endpoints, PWM, ARGB, CRC	1.8V~5.5V
-	20	4	55	LQFP64	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	12	4	57	LQFP64	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	14	4	57	LQFP64	Boot loader, 12MHz RC, FS USB 2.0 with Control and 8 Endpoints, PWM, 20mA I/O, 20pin 420mA High Sink I/O, ARGB, CRC	2.5V~5.5V
-	16	4	57	LQFP64	Boot loader, 12MHz RC, FS USB 2.0 with Control and 8 Endpoints, PWM, ARGB, CRC	1.8V~5.5V
-	20	4	64	LQFP80	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, 20mA I/O, HW divider	1.8V~5.5V
-	8	4	18	SSOP24	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	8	4	22	SOP28 SSOP28	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	8	4	22	QFN28	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V

SN32F200 Family Flash Type ARM 32bit Cortex-M0 USB MCU

Part No.	ROM	RAM	System Clock	Low Clk	32-bit Timer	16-bit Timer	I/O	A/D Resolution	Ch	D/A	PWM	SPI	IIS	IIC	LCD	UART
SN32F265	32KB	2KB	32K~48Mhz	Int. 32K	-	2	26	12-bit	-	-	17	1	-	1	-	-
SN32F267	32KB	2KB	32K~48Mhz	Int. 32K	-	2	40	12-bit	-	-	22	1	-	1	-	-
SN32F268	32KB	2KB	32K~48Mhz	Int. 32K	-	2	42	12-bit	-	-	22	1	-	1	-	-
SN32F287	128KB	32KB	32K~48Mhz	Int. 32K	-	6	42	12-bit	10+3	-	36	2	2	2	21*4	4
SN32F288	128KB	32KB	32K~48Mhz	Int. 32K	-	6	58	12-bit	16+3	-	36	2	2	2	35*4 33*6 32*7 31*8	4
SN32F289	128KB	32KB	32K~48Mhz	Int. 32K	-	6	74	12-bit	16+3	-	36	2	2	2	40*4 38*6 37*7 36*8	4
SN32F297	256KB	32KB	32K~48Mhz	Int. 32K	-	6	42	12-bit	10+3	-	36	2	2	2	21*4	4
SN32F298	256KB	32KB	32K~48Mhz	Int. 32K	-	6	58	12-bit	16+3	-	36	2	2	2	35*4 33*6 32*7 31*8	4
SN32F299	256KB	32KB	32K~48Mhz	Int. 32K	-	6	74	12-bit	16+3	-	36	2	2	2	40*4 38*6 37*7 36*8	4
Note: a. All 32-bit MCU Family have the Watchdog, Low Voltage Detector and Security function. b. All 32-bit MCU Family have the embedded SWD interface.																

Comparator	Interrupt Int Ext		Wake-up Pin No.	Package	Other Features	Operating Voltage
-	8	4	26	QFN33	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	8	4	40	QFN46	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
-	8	4	42	LQFP48	Boot loader, 48MHz RC, FS USB 2.0 with Control and 5 Endpoints, 20mA I/O	2.5V~5.5V
3	27	4	42	LQFP48	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	27	4	58	LQFP64	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	27	4	74	LQFP80	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	27	4	42	LQFP48	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	27	4	58	LQFP64	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V
3	27	4	74	LQFP80	Boot loader, 12MHz RC, FS USB 2.0 with Control and 7 Endpoints, RTC, OPA, PWM with programmable dead-band, EBI, 6 pin 100mA sinking current I/O, CRC	2.5V~5.5V

c. * = Underdevelopment.

LED Driver ICs

SLED1735 Family: LED Driver ICs family

Part No.	RAM (Byte)	I ² C/MSP-Slave	SPI/SIO-Slave	MPWM IO	Type I
SLED1732	576	v	-	10-ch	72
SLED1733	576	v	-	14-ch	92
SLED1734	576	v	-	18-ch	144
SLED1735	576	v	v	18+6-ch	144

SNLED2735 Family: LED Driver ICs family

Part No.	RAM (Byte)	I ² C/MSP-Slave	SPI/SIO-Slave	MPWM IO(Source CH)	MPWM IO(Sink CH)
SNLED2734	303	v	v	15-ch	3-ch
SNLED27341	303	v	v	16-ch	6-ch
SNLED27342	303	v	-	16-ch	12-ch
SNLED2735	303	v	v	16-ch	12-ch
SNLED27351	303	v	v	16-ch	12-ch
SNLED27352	303	v	v	12-ch	12-ch

*SNLED3750 Family: LED Driver ICs family

Part No.	RAM (Byte)	I ² C/MSP-Slave	SPI/SIO-Slave	Constant Current Channel	Switch Channel
*SNLED3756	576	v	v	18-ch	12-ch
*SNLED3758	576	v	v	33-ch	12-ch

Note: * = Underdevelopment.

Type 2	Type 3	Type 4	Audio-In SYNC	Operating Voltage	Package
81	81	-	v	2.7V~5.5V	SOP20
144	169	24	v	2.7V~5.5V	SOP24
144	256	72	v	2.7V~5.5V	SSOP28/QFN28
144	256	144	v	2.7V~5.5V	QFN46

LED Matrix	Single Color LED	RGB Color LED	Operating Voltage	Package
15*3	45	15	2.7V~5.5V	SSOP28
16*6	96	32	2.7V~5.5V	QFN32
16*12	192	64	2.7V~5.5V	QFN32
16*12	192	64	2.7V~5.5V	LQFP48
16*12	192	64	2.7V~5.5V	QFN40
12*12	144	48	2.7V~5.5V	QFN40

LED Matrix	Single Color LED	RGB Color LED	Operating Voltage	Package
18*12	216	72	2.7V~5.5V	QFN40
33*12	396	132	2.7V~5.5V	QFN60