

4-bit Microcontroller

Samsung 4-bit Microcontroller Family																
Part Name	Package Type	ROM (Kbytes)	RAM (Nibble)	I/O Pins	Interrupt (Int/Ext)	Timer/Counters	SIO	LCD (Seg/Com)	ADC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	DTMF	Max. OSC. Freq.	V _{DD} (V)	Oper. Temp.(°C)	Other Features	OTP Equivalent
S3C7xxx (KS57) Series																
S3C70F4XZ0-AV94 S3C70F4XZ0-SO94	30SDIP 32SOP	4	512	24	3/2	BT/WT/8TC	Yes	-	Comx4	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	GP with Comparator	S3P70F4X
S3C7235DZ0-QW85	80QFP	16	512	40	3/3	BT/WT/ WDT/8T	Yes	32/4	-	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	RC osc., Subsystem clock, Buzzer output	S3P7235X
S3C72H8XZ0-QT88	64QFP	8	512	21	3/3	BT/WT/ WDT/8T/16T	-	26/4	Comx2	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	Voltage regulator,voltage booster for LCD, Analog comparator,RC osc.	S3P72H8X
S3C72K8XZ0-QW88	80QFP	8	1024	27	3/4	BT/WT/8TC	Yes	40/8	Comx2	-	-	6MHz	2.0 ~ 5.5	-25 ~ 85	RC osc., Subsystem clock, Buzzer output	S3P72K8X
S3C72M9XZ0-QA89	128QFP	32	3840	51	5/4	BT/WT/WDT/8T/16T	Yes	80/16	Comx3	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	RC osc., Subsystem clock, Buzzer output	S3P72M9X
S3C72N5XZ0-QW85	80QFP	16	512	40	3/3	BT/WT/8TC	Yes	32/4	-	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	RC osc., Subsystem clock, Buzzer output	S3P72N5X
S3C72P9XZ0-QX89	100QFP	32	1056	39	4/4	BT/WT/8TC/16TC	Yes	56/16	-	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	RC osc., Subsystem clock, Buzzer output.	S3P72P9X
S3C72Q5XZ0-QX85	100QFP	16	5264	39	3/3	BT/WT/8TCx2	-	60/12	-	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	RC osc., Subsystem clock, Buzzer output	S3P72Q5X
S3C7335XZ0-QW85	80QFP	16	512	56	4/4	BT/WT/ WDT/8T	Yes	28/4	8x4	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	PLL Frequency systhesizer, IF counter	S3P7335X
S3C7414DZ0-AQ94 S3C7414DZ0-QZ84	42SDIP 44QFP	4	256	35	5/3	BT/WT/WDT/8Tx2	Yes	-	8x6	(8x1)	-	6MHz	1.8 ~ 5.5	-25 ~ 85	RC osc.	S3P7414D
S3C7515DZ0-AT95 S3C7515DZ0-QT85	64SDIP 64QFP	16	512	55	4/3	BT/WT/8Tx2	Yes	-	-	-	Yes	6MHz	2.0 ~ 5.5	-25 ~ 85	Subsystem clock, Buzzer output	S3P7515D
S3C7528DZ0-AQ98 S3C7528DZ0-QZ88	42SDIP 44QFP	8	768	35	3/3	BT/WT/WDT/8Tx2	-	-	-	-	Yes	6MHz	1.8 ~ 5.5	-25 ~ 85	DTMF generator	S3P7528D
S3C7544XZ0-AM94 S3C7544XZ0-SM94	24SDIP 24SOP	4	512	17	2/2	BT/WDT/8T	-	-	-	-	-	6MHz	1.8 ~ 5.5	-25 ~ 85	8-bit DAC for S/W DTMF generator	S3P7544X
S3C7559XZ0-AT99 S3C7559XZ0-QT89	64SDIP 64QFP	32	1024	55	4/3	BT/WT/WDT/8Tx2	Yes	-	-	-	Yes	6MHz	1.8 ~ 5.5	-25 ~ 85	Subsystem clock, DTMF generator	S3P7559X
S3C7588AZ0-C0C8	44pellet	8	768	25	4/4	BT/WT/WDT/8TCx2	-	-	-	-	Yes	3.58MHz	2.7 ~ 5.5	0 ~ 70	DTMF generator, FSK ,CAS	S3P7588X

1. (1) : S/W supported PWM.

2. Abbreviation

SIO = Serial Input/Output

ZCD = Zero Cross Detection Circuit

DTMF = Dual Tone Multi Frequency

Timer/Counters : BT / WT / WDT = Basic / Watch / Watchdog timer, 8T / 16T = 8-bit / 16-bit Timer/Counter

ADC = Analog to Digital converter

DAC = Digital to Analog converter

PWM = Pulse Width Modulation

Com = Comparator

8-bit Microcontroller

Samsung 8-bit Microcontroller Family																	
Part Name	Package Type	ROM (Kbytes)	RAM (Bytes)	I/O Pins	Interrupt (Int/Ext)	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC. Freq.	Min Exe. Time (ns)	V _{DD} (V)	Oper. Temp.(°C)	Other Features	OTP or Flash Equivalent	
S3C9xxx (KS86) Series																	
S3C9228AZ0-AQ98	42SDIP	8	256	36	4/10	BT/WT/8TCx2	SIO	16x8	10x4	-	8MHz	500	2.0~5.5	-25~85	RC osc., Subsystem clock, Buzzer output	S3P9228A	
S3C9228AZ0-QZ88	44QFP																
S3C9228AZ0-LR88	48ELP																
S3C9234XZ0-QT84	64QFP	4	208	52	5/7	BT/WT/8TCx2	SIO	32/4	-	-	8MHz	500	2.0~5.5	-25~85	RC osc., Subsystem clock, Buzzer output	S3P9234X	
S3C9404DZ0-AV94	30SDIP	4	208	22	3/3	BT/WDT/8Tx2	-	-	8x8	(10x1)	10MHz	600	2.7~5.5	-25~85	ZCD, RC osc., Buzzer output	S3P9404D	
S3C9404DZ0-SO94	32SOP																
S3C9428XZ0-SN98	28SOP	8	208	24	5/4	BT/WDT/8Tx2	IIC, SIO	-	10x12	12x2,(8x1)	16MHz	375	1.8~5.5	-25~85	ZCD, RC osc., Buzzer output, LVD	S3P9428X	
S3C9428XZ0-SO98	32SOP																
S3C9428XZ0-AV98	30SDIP																
S3C9434XZ0-DI94	18DIP	4	112	11/13	3/2	BT/WDT/8T	SIO	-	10x5	12x1	16MHz	375	3.0~5.5	-25~85	RC osc., Buzzer output, LVD	S3P9434X	
S3C9434XZ0-DK94	20DIP																
S3C9434XZ0-SK94	20SOP																
S3C9444XZ0-SC94	8SOP	4	208	6	1/2	BT/8TC	-	-	10x3	-	10MHz	400	2.0~5.5	-25~85		S3F9444X(4)	
S3C9444XZ0-DC94	8DIP																
S3C9454BZ0-DH94	16DIP	4	208	18	2/2	BT/8TC	-	-	10x9	8x1	10MHz	400	2.0~5.5	-25~85		S3F9454B(4)	
S3C9454BZ0-SH94	16SOP																
S3C9454BZ0-RH94	16TSSOP																
S3C9454BZ0-DK94	20DIP																
S3C9454BZ0-SK94	20SOP																
S3C9454BZ0-VK94	20SSOP																
S3C9488XZ0-AO98	32SDIP	8	208	38/36/26	6/4	BT/8T	UART	19/8	10x9	-	10MHz	400	2.2~5.5	-25~85		S3F9488X(4)	
S3C9488XZ0-SO98	32SOP																
S3C9488XZ0-AQ98	42SDIP																
S3C9488XZ0-QZ88	44QFP																
S3C9498XZ0-SN98	28SOP	8	208	22/24/26	11/5	BT/8TCx4/16TC	SIO, UART	-	10x8	12x1(8x1)	8MHz	500	2.0~5.5	-25~85	LVR(by smart option)	S3F9498X(4)	
S3C9498XZ0-SO98	32SOP																
S3C9498XZ0-AO98	32SDIP																
S3C9498XZ0-AV98	30SDIP																
S3C94A5XZ0-QZ85	44QFP	16	368	34	8/15	BT/WT/8TCx1/16TCx2	SIO	-	10x16	8x1,16x2	12MHz	333	2.0~5.5	-25~85	Internal 8MHz RC Oscillator	S3F94A5X(4)	
S3C94A5XZ0-AQ95	42SDIP																
S3C94A5XZ0-AO95	32SDIP																
S3C9688XZ0-AQ98	42SDIP	8	208	32	15/14	BT/WDT/8T	USB	-	-	-	6MHz	-	4.0~5.25	0~85	USB 2.0 Low Speed	S3P9688X	
S3C9688XZ0-QZ88	44QFP																
S3C8xxx (KS88) Series																	
S3C80A5BZ0-SM95	24SOP	16	272	19	5/8	BT/WDT/8Tx2/16T	-	-	-	8x1	8MHz	500	2.0~3.6	-25~85	LVD, Carrier generator	S3P80A5A	
S3C80A5BZ0-AM95	24SDIP																
S3C80B5XZ0-SM95	24SOP	16	272	19	5/8	BT/WDT/8Tx2/16T	-	-	-	8x1	4MHz	1000	1.7~3.6	-25~85	LVD, Carrier generator	S3P80B5X	
S3C80B5XZ0-AM95	24SDIP																
S3C80C5BZ0-SM95	24SOP	16	272	19	5/8	BT/WDT/8Tx2/16T	-	-	-	8x1	4MHz	1000	1.7~3.6	-25~85	LVD, Carrier generator	S3P80C5X	
S3C80C5BZ0-AM95	24SDIP																

Samsung 8-bit Microcontroller Family																
Part Name	Package Type	ROM (Kbytes)	RAM (Bytes)	I/O Pins	Interrupt (Int/Ext)	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC. Freq.	Min Exe. Time (ns)	V _{DD} (V)	Oper. Temp.(°C)	Other Features	OTP or Flash Equivalent
S3C80F9BZ0-S099 S3C80F9BZ0-AQ99 S3C80F9BZ0-QZ89 S3C80F9BZ0-LR89	32SOP 42SDIP 44QFP 48ELP	32	272	38	5/16	BT/8TC/16TC	-	-	-	8x1	8MHz	500	2.0~5.0	-25~85	LVD, Carrier generator	S3P80F9X
S3C80G9BZ0-SN99 S3C80G9BZ0-S099 S3C80G9BZ0-AQ99 S3C80G9BZ0-QZ89	28SOP 32SOP 42SDIP 44QFP	32	272	38	5/16	BT/8TC/16TC	-	-	-	8x1	4MHz	750	1.9~3.6	-25~85	LVD, Carrier generator	S3P80G9X
S3C80J9XZ0-S099 S3C80J9XZ0-SN99	32SOP 28SOP	32	272	26	12/10	BT/8Tx1/16Tx1	-	-	-	8x1	8MHz	500	1.95~3.6	-25~85	Carrier Frequency Generator, LVR, Full Flash, LVD	S3F80J9X(3)
S3C80JBBZ0-QZ8B S3C80JBBZ0-S09B	44QFP 32SOP	64	272	38	14/10	BT/8Tx1/16Tx2	-	-	Comx4	8x1	8MHz	500	1.95~3.6	-25~85	Carrier Frequency Generator, LVR, Full Flash, LVD	S3F80JBB(3)
S3F80K5XZ0-SM95* S3F80K5XZ0-SN95*	24SOP 28SOP	16	272	38	16/8	BT/8Tx1/16Tx2	-	-	-	-	8MHz	500	1.65~3.6	-25~85	Carrier Frequency Generator	Flash only S3F80K5X(3)*
S3F80K9XZ0-QZ89* S3F80K9XZ0-S099* S3F80K9XZ0-SN99*	44QFP 32SOP 28SOP	32	272	38	16/8	BT/8Tx1/16Tx2	-	-	-	-	8MHz	500	1.65~3.6	-25~85	Carrier Frequency Generator	Flash only S3F80K9X(3)*
S3F80KBXZ0-QZ8B* S3F80KBXZ0-S09B*	44QFP 32SOP	60	272	38	16/8	BT/8Tx1/16Tx2	-	-	-	-	8MHz	500	1.65~3.6	-25~85	Carrier Frequency Generator	Flash only S3F80KBX(3)*
S3F80L4XZ0-A094 S3F80L4XZ0-S094 S3F80L4XZ0-SN94	32SDIP 32SOP 28SOP	4	144	26	2/8	BT/8TCx1	-	-	-	8x1	8MHz	500	2.0~5.5	-25~85	External R Oscillator (4~8 MHz)	Flash only
S3C80M4XZ0-DK94 S3C80M4XZ0-SK94 S3C80M4XZ0-DH94 S3C80M4XZ0-SH94	20DIP 20SOP 16DIP 16SOP	4	128	15	2/4	BT/8TCx1	-	-	-	8x1	10MHz	400	2.0~5.5	-25~85	-	S3F80M4X(4)
S3C8235BZ0-QT85 S3C8235BZ0-ET85	64QFP 64LQFP	16	552	32	8/8	BT/8TCx2/16TC	-	24/8	10x8	8x2	8MHz	500	2.0~5.5	-25~85	LVD, Voltage Booster & Regulator	S3F8235B(4)
S3C8245AZ0-TW85 S3C8245AZ0-QW85	80TQFP 80QFP	16	544	45	8/8	BT/WDT/8Tx2/16Tx2	SIO	32/4	10x8	(8x2, 16x1)	10MHz	400	1.8~5.5	-25~85	LVD, Voltage Booster & Regulator, RC osc.	S3P8245X
S3C8249XZ0-TW89 S3C8249XZ0-QW89	80TQFP 80 QFP	32	1056	45	8/8	BT/WDT/8Tx2/16Tx2	SIO	32/4	10x8	(8x2, 16x1)	10MHz	400	1.8~5.5	-25~85	LVD, Voltage Booster & Regulator, RC osc.	S3P8249X
S3C825ACZ0-TW8A S3C825ACZ0-QW8A	80TQFP 80QFP	48	2096	67	11/12	BT/WT/8TC/16TC	SIO, UART	28/8	10x4	(8x1, 16x1)	8MHz	500	2.0~5.5	-25~85	General purpose	S3P825AX
S3C826AXZ0-QC8A	144QFP	48	2K	128	9/12	BT/8TCx3/16TCx1	SIO	80/16	8x4	8x2	8MHz	500	2.0~5.5	-25~85	Buzzer output	S3P826AX
S3C8274XZ0-QT84 S3C8274XZ0-ET84	64QFP 64LQFP	4	256	52	4/8	WT/BT/8TCx2	SIO	32/4	-	-	8MHz	500	2.0~3.6	-25~85	LVR, S3F8275(Full Flash) Battery Level Detector	S3F8274X(4)
S3C8278XZ0-QT88 S3C8278XZ0-ET88	64QFP 64LQFP	8	256													S3F8278X(4)
S3C8275XZ0-QT85 S3C8275XZ0-ET85	64QFP 64LQFP	16	512													S3F8275X(3)

Samsung 8-bit Microcontroller Family																
Part Name	Package Type	ROM (Kbytes)	RAM (Bytes)	I/O Pins	Interrupt (Int/Ext)	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC. Freq.	Min Exe. Time (ns)	V _{DD} (V)	Oper. Temp.(°C)	Other Features	OTP or Flash Equivalent
S3C8285XZZ-QW85	80QFP	16	512	65	10/8	BT/WT/8TCx2/16TCx2	UART, SIO	32/8	10x8	8x1,16x1	11.1MHz	364	2.0~3.6	-25~85	LVR, S3F828B(Full Flash) Battery Level Detector	S3F8285X(4)
S3C8285XZZ-TW85	80TQFP															
S3C8289XZZ-QW89	80QFP	32	1024													S3F8289X(4)
S3C8289XZZ-TW89	80TQFP															
S3C828BXZZ-QW8B	80QFP	64	2560													S3F828BX(3)
S3C828BXZZ-TW8B	80TQFP															
S3F82E5XZZ-QZ85	44QFP	16	208	38	5/4	BT/WT/8TCx1	SIO	23/4	-	-	8MHz	500	2.0~3.6	-25~85	Carrier Frequency Generator	S3F82E5X(4)
S3F82E5XZZ-TB85	48TQFP															
S3F82F5XZZ-QX85	100QFP	16	2.5K	44	6/12	BT/WT/8TCx2/16TCx1	SIO	60/16	-	8x1	8MHz	500	2.0~5.5	-25~85	Comparator	Flash only S3F82F5X(4)
S3F82F5XZZ-TX85	100TQFP															
S3F82HBXZZ-QX8B	100QFP	64	2.5K	83	17/12	BT/WT/8TCx2/16TCx2	UARTx2, SIO	52/8	10x8	8x1,16x2	12MHz	333	2.0~3.6	-25~85	LVR, BLD, 16-Bit Frequency Counter, Booster & Regulator, Two Analog Comparators, Voltage, Full Flash	S3F82HBX(3)
S3F82HBXZZ-TX8B	100TQFP															
S3F82I9XZZ-QW89	80QFP	32	1024	63	10/8	BT/WDT/WT/8TCx2/16TCx2	USART, SIO	32/8	10x8	8x1,16x2	12MHz	333	2.0~3.6	-25~85	LVR, BLD, Voltage, Booster & Regulator, Full Flash	S3F82I9X(3)*
S3F82I9XZZ-TW89	80TQFP															
S3C830AXZ0-QX8A	100QFP	48	2084	72	10/8	BT/WDT/8Tx2/16T	SIOx2	40/4	8x4	8x1	4.5MHz	889	3.0~5.5	-25~85	PLL frequency synthesizer , RDS	S3P830AX
S3F833BXZZ-QX8B	100QFP	64	2560	86	13/8	BT/WDT/WT/8Tx2/16T	SIOx2, UARTx2	40/8	10x12	8x1	12MHz	333	2.0~3.6	-40~85	PLL frequency synthesizer , RDS	Flash only S3F833BX(4)
S3F834BXZZ-TX8B	100TQFP	64	2560	86	13/8	BT/WDT/WT/8Tx2/16T	SIOx2, UARTx2	40/8	10x12	8x1	12MHz	333	2.0~3.6	-40~85	PLL frequency synthesizer , RDS	Flash only S3F834BX(4)
S3C8454XZ0-TW84	80TQFP	4	1040	42	8/8	BT/WDT/8Tx2/16Tx2	SIO	-	8x4	8x2,(16x2)	25MHz	160	4.5~5.5	-25~85	Voltage level Detector, Capture/PWM	S3P8454X
S3C8454XZ0-QW84	80QFP															
S3C8469XZ0-AT99	64SDIP	32	528	56	11/10	BT/WDT/8Tx2/16Tx2	UART, SIO	-	10x8	14x2,(8x2)	12MHz	500	2.7~5.5	-25~85	ZCD, Buzzer output	S3P8469X
S3C8469XZ0-QT89	64QFP															
S3C8469XZ0-LT89	64ELP															
S3C8475XZ0-AQ95	42SDIP	16	272	36	6/8	BT/WDT/8T/16T	UARTx2	-	10x8	(8x1,10x1)	12MHz	333	2.7~5.5	-25~85	Buzzer output	S3P8475X
S3C8475XZ0-QZ85	44QFP															
S3C848AXZ0-AT9A	64SDIP	48	2064	56	15/14	BT/8Tx4/16Tx2	UARTx2, SIO	-	10x8	14x2,(8x2)	12MHz	333	2.7~5.5	-25~85	LVR,PGM	S3P848AX
S3C848AXZ0-QT8A	64QFP															
S3C848BXZ0-TW8B	80TQFP	64	2064	70	14/10	BT/8TCx2/16TCx2/8Tx2	UARTx2, SIO	-	10x8	-	10MHz	400	2.7~5.5	-25~85	PGM, Async UART	S3F848BX(3)
S3C848BXZ0-QW8B	80QFP															
S3C84DBXZ0-TX8B	100TQFP	64	2064	90	14/10	BT/8TCx4/16TCx2	UARTx2, SIO	48/8	10x8	8x1(DAC)	10MHz	400	2.7~5.5	-25~85	PGM	S3F84DBX(3)
S3C84DBXZ0-QX8B	100QFP															
S3C84E9XZ0-AQ99	42SDIP	32	272	36/34	9/12	BT/8TC/8T16TCx2/WT	UART	-	10x8	(8X1)	12MHz	333	2.7~5.5	-25 ~85	LVR, Buzzer Output	S3P84E9X
S3C84E9XZ0-QZ89	44QFP															
S3F84H5XZZ-AO95	32SDIP	16	272	22/20/18	12/4	BT/WT/8TCx2/16TCx2	UART, SIO	-	10x8	10x1	10MHz	400	2.5~5.5	-25~85	LVR	S3F84H5X(4)
S3F84H5XZZ-SO95	32SOP															
S3F84H5XZZ-LO85	32ELP															
S3F84H5XZZ-AV95	30SDIP															
S3F84H5XZZ-SN95	28SOP															

Samsung 8-bit Microcontroller Family																
Part Name	Package Type	ROM (Kbytes)	RAM (Bytes)	I/O Pins	Interrupt (Int/Ext)	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC. Freq.	Min Exe. Time (ns)	V _{DD} (V)	Oper. Temp.(°C)	Other Features	OTP or Flash Equivalent
S3F84I8XZZ-AQ98 S3F84I8XZZ-QZ88	42SDIP 44QFP	8	292	34/32	12/4	BT/WT/8TCx2/16TCx2	UART, SIO	16/8	10x8	10x1	10MHz	400	2.5~5.5	-25~85	LVR	S3F84I8X(4)
S3F84I9XZZ-AQ99 S3F84I9XZZ-QZ89	42SDIP 44QFP	32	528												LVR, Full Flash	S3F84I9X(3)
S3F84K4XZZ-DH94 S3F84K4XZZ-SH94 S3F84K4XZZ-RH94 S3F84K4XZZ-DK94 S3F84K4XZZ-SK94 S3F84K4XZZ-VK94	16DIP 16SOP 16TSSOP 20DIP 20SOP 20SSOP	4	208	17	2/2	BT/16(8x2)T	-	-	10x9	12x1	8MHz	500	2.0~5.5	-25~85		Flash only S3F84K4X(4)
S3F84MBXZZ-TW8B S3F84MBXZZ-QW8B	80TQFP 80QFP	64	2064	70	17/10	BT/8TCx2/ 16TCx2/8Tx2	UARTx3, SIOx2	-	10x15	8x2	10MHz	400	2.4~5.5	-40~85	Pattern generation module , Async UART 4.5~5.5V @ 16MHz, Full Flash	Flash only S3F84MBX(3)
S3F84NBXZZ-QT8B* S3F84NBXZZ-AT9B*	64QFP 64SDIP	64	2064	56	15/14	BT/8Tx3/16TCx2	UARTx2, SIO	-	10x8	-	10MHz	400	2.0~5.5	-40~85	LVR, Pattern Generation Module, Full Flash	Flash only S3F84NBX(3)*
S3F84P4XZZ-SC94 S3F84P4XZZ-DC94	8SOP 8DIP	4	208	6	2/2	BT/16(8x2)T	-	-	10x4	12x1	10MHz	400	2.0~5.5	-25~85		Flash only S3F84P4X(4)
S3F84Q5XZZ-SN95* S3F84Q5XZZ-AV95* S3F84Q5XZZ-AO95* S3F84Q5XZZ-SO95*	28SOP 30SDIP 32SDIP 32SOP	16	528	26	14/9	BT/WT/8TCx2/ 16TCx2	UART, SIO	-	10x8	14x1	10MHz	400	2.0~5.5	-40~85	LVR, Full Flash	Flash only S3F84Q5X(3)*
S3F84S5XZZ-DH95* S3F84S5XZZ-DK95* S3F84S5XZZ-SH95* S3F84S5XZZ-SK95*	16DIP 20DIP 16SOP 20SOP	16	272	17/13	6	BT/8T	-	-	12x9	12x1	10MHz	400	2.4~5.5	-40~85	IVC, Full Flash	Flash only S3F84S5X(3)*
S3F84T5XZZ-SN95* S3F84T5XZZ-AO95* S3F84T5XZZ-SO95*	28SOP 32SDIP 32SOP	16	272	18/20/22	16	BT/WT/8TCx2/16TCx2	UART, SIO	-	10x8	10x1	10MHz	400	2.4~5.5	-40~85	IVC, Full Flash	Flash only S3F84T5X(3)*
S3F84UAXZZ-QZ8A* S3F84UAXZZ-AQ9A*	44QFP 42SDIP	48	528	32/30	12/12	BT/WDT/WT/ 8TCx3/16TCx2	UARTx2, SIO	20/8	10x8	8x3	12MHz	333	1.8~5.5	-40~85	LVR, Voltage Booster&Regulator, PGM, Full Flash	Flash only S3F84UAX(3)*
S3F84VBXZZ-QT8B* S3F84VBXZZ-AT9B*	64QFP 64SDIP	64	2064	54	12/12	BT/WDT/WT/ 8TCx3/16TCx2	UARTx2, SIO	44/8	10x8	8x3	12MHz	333	1.8~5.5	-40~85	LVR, Voltage Booster&Regulator, PGM, Full Flash	Flash only S3F84VBX(3)*
S3F84V9XZZ-QT89* S3F84V9XZZ-AT99*	64QFP 64SDIP	32	1040	54	12/12	BT/WDT/WT/ 8TCx3/16TCx2	UARTx2, SIO	44/8	10x8	8x3	12MHz	333	1.8~5.5	-40~85	LVR, Voltage Booster&Regulator, PGM, Full Flash	Flash only S3F84V9X(3)*
S3F84YBXZZ-QW8B* S3F84YBXZZ-TW8B*	80TQFP 80QFP	64	2064	70	13/12	BT/WDT/WT/ 8TCx4/16TCx2	UARTx2, SIO	60/8	10x8	8x4	12MHz	333	1.8~5.5	-40~85	LVR, Voltage Booster&Regulator, PGM, DAC, Full Flash	Flash only S3F84YBX(3)*
S3F84ZBXZZ-TX8B* S3F84ZBXZZ-QX8B*	100TQFP 100QFP	64	2064	90	13/14	BT/WDT/WT/ 8TCx4/16TCx2	UARTx2, SIO	76/8	10x8	8x4	12MHz	333	1.8~5.5	-40~85	LVR, BLD, Voltage Booster&Regulator, PGM, Full Flash	Flash only S3F84ZBX(3)*
S3C851BX20-QD8B	160QFP	64	1808	42	1/7	BT/WDT/WT/ 8T/16T	UART, SIO	56/34	10x4	-	3.58MHz	1117	2.7~5.5	0~70	FSK,CAS, SDT receiver, Ring or L-R Detector, Tone generator, Melody generator	S3P851BX
S3C863AX20-AQ9A S3C863AX20-QZ8A	42SDIP 44QFP	48	1040	27	7/3	BT/8TC/8T/12C	M/M IIC, Slave IIC	-	8x4	8x7	12MHz	333	3.0~5.5	-25~85	DDC, Sync Processor, M/M IIC, Slave IIC, POR	S3P863AX
S3C8647X20-AO97	32SDIP	24	384	19	6/3	BT/8TC/8T/12C	IIC	-	4x4	8x6	12MHz	333	4.0~5.5	-25~85	DDC, Sync Processor, POR, IIC, 4-Bit 4-CH ADC	S3F8647X(4)

Samsung 8-bit Microcontroller Family																	
Part Name	Package Type	ROM (Kbytes)	RAM (Bytes)	I/O Pins	Interrupt (Int/Ext)	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC. Freq.	Min Exe. Time (ns)	V _{DD} (V)	Oper. Temp.(°C)	Other Features		OTP or Flash Equivalent
S3C866BXZ0-AQ9B	42SDIP	64	1040	30	9/2	BT/WDT/8TCx3	IIC	-	8x8	8x7	24MHz	166	2.3~3.6V	-25~85	LVD, POR, Sync Processor, multi-master IIC		S3F866BX(4)
S3C866BXZ0-QZ8B	44QFP																
S3C866BXZ0-PZ9B	44PLCC																
S3C880AXZ0-AQ9A	42SDIP	48	336	26	5/4	BT/8TCx2	-	-	8x4	14x2,8x4(8x1)	8MHz	750	4.5~5.5	-20~85	For China OSD (1024 Fonts)		S3F880AX(4)
S3C8849XZ0-AQ99	42SDIP	32	272	26	5/4	BT/WDT/8Tx2	-	-	4x4	14x2,8x4(8x1)	8MHz	750	4.5~5.5	-20~85	OSD (384 Fonts)		S3P8849X
Part Name	Package Type	ROM (Kbytes)	RAM (Bytes)	I/O Pins	Interrupt (Int/Ext)	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	DAC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC. Freq.	Min Exe. Time (ns)	V _{DD} (V)	Oper. Temp.(°C)	Other Features	OTP or Flash Equivalent
S3CKxxx (Calm8) Series																	
S3FK11FXZZ-QA8F	128QFP	256	1K	90	13/8	BT/ WT/16TCx1/8TCx2	SIO	64/16	10x1	10x1	8x1	8MHz	125	2.4~3.6	-25~85	8x8 Multiplication, Two OP amps	Flash Only S3FK11FX(4)
S3CK225XZ0-QT85	64QFP	16	384	48	9/4	BT/ WT/16TCx1/8TCx2	SIO	32/4	10x8	11x1	8x2,16x1	8MHz	125	2.0~3.6	-25~85	Two OP amps	S3FK225X(4)
S3CK225XZ0-ET85	64LQFP																
S3CK318XZ0-QZ88	44QFP	8	256	36	7/7	BT/ WT/16TCx1/8TCx1	SIO	16/8	10x4	10x1	16x1	8MHz	125	2.0~3.6	-25~85	Frequency Counter	S3FK318X(4)

1. * Under Development.

Contact Samsung Sales offices for availability.

2. (1) () : S/W supported PWM.

(3) Flash : Writing endurance is 10K times

(4) means MTP : writing evidence is 100 times

3. Abbreviation

ADC = Analog to Digital converter

DAC = Digital to Analog converter

DTMF = Dual Tone Multi Frequency

Timer/Counters : BT / WT / WDT = Basic / Watch / Watchdog timer, 8T / 16T = 8-bit / 16-bit Timer/Counter

SIO = Serial Input/Output

ZCD = Zero Cross Detection Cuircit

PWM = Pulse Width Modulation

Com = Comparator

LVR=Low Voltage Reset

LVD=Low Voltage Detector

SDT=Stuttered Dial Tone

RDS=Radio Data System

FSK=Frequency Shift Keying

CAS=CPE Alerting Signal

16-bit Microcontroller

Samsung CalmRISC Family																		
Part Name	Package Type	ROM (Kbytes)	RAM (Bytes)	I/O Pins	Interrupt (Int/Ext)	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	DAC (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC. Freq.	Coprocessor for DSP function	Min Exe. Time (ns)	V _{DD} (V)	Oper. Temp.(°C)	Other Features	OTP or Flash Equivalent
S3CCxxx (Calm16) Series																		
S3FC11BXZZ-QX8F S3FC11BXZZ-TX8F	100QFP 100TQFP	64	10K	77	8/9	BT/ WT/8TCx3	SIO	36/8	10x4	-	8x1	40MHz	MAC1616	25	2.0~3.6	-25~85	14-bit ADC/DAC	Flash Only S3FC11BX(4)
S3CC34DXZZ-QX8D S3CC34DXZZ-TX8D	100QFP 100TQFP	128	4	90	20/16	BT/ WT/16TCx3/ 8TCx3	SIOx4 UART	-	10x16	-	8x3,16x3	12MHz	-	83	2.4~5.5	-25~85	LVR, IVC	S3FC34DX(4)
S3FC40DXZZ-QX8D S3FC40DXZZ-TX8D S3FC40DXZZ-QA8D	100QFP 100TQFP 128QFP	128	6	90	30/16	BT/ WT/ 16TCx8/8TCx2	SIOx2 UARTx3	-	10x24	-	8x2,16x8	12MHz	-	83	2.4~5.5	-40~85	LVR, IVC	S3FC40DX(4)

1. * Under Development.

Contact Samsung Sales offices for availability.

2. (1) () : S/W supported PWM.

(4) : means MTP : writing evidence is 100 times

3. Abbreviation

ADC = Analog to Digital converter

DTMF = Dual Tone Multi Frequency

Timer/Counters : BT / WT / WDT = Basic / Watch / Watchdog timer, 8T / 16T = 8-bit / 16-bit Timer/Counter

SIO = Serial Input/Output

PWM = Pulse Width Modulation

DAC = Digital to Analog converter

Com = Comparator

ZCD = Zero Cross Detection Cuircit

32-bit Microcontroller

Samsung 32bit MCU Family																				
Part Name	CPU	Package Type	PartName (Old Name)	System Manager	I/O Pins	Interrupt (Int/Ext)	Ethernet (10/100M)	HDLC	USB-D	USB-H	Timer/Counter	Serial Interface	DES/3DES	PCI	SAR	GDMA	Max. OSC Freq.	V _{DD} (V)	Oper. Temp.(°C)	Other Features
Network Application																				
S3C4510B-QE80	ARM7TDMI	208QFP	KS85C40225	SDRAM, Memory (NOR, SRAM) IF	18	17/4	1ch.	2ch.	No	No	2ch. 32bit	UART(2) /IIC	No	No	No	2 ch.	50MHz	3.3(+ - 5%)	0~70	
S3C4530A-QE80	ARM7TDMI	208QFP	KS85C40225	SDRAM, Memory (NOR, SRAM) IF	26	17/4	1ch.	2ch.	No	No	2ch. 32bit	UART(2) /IIC	No	No	No	2 ch.	50MHz	3.3(+ - 5%)	0~70	SDRAM burst mode support, UART FIFO support for communication
S3C2510A-GB80	ARM940T	416PBGA	KS85C40225	SDRAM, Memory (NOR, SRAM) IF	64	30/6	2ch.	No	1(F-Speed)	1(F-Speed) 2 devices support	6ch. 32bit Watch Dog	UART(3) /IIC	Yes	Yes	UTOPIA I/F	6 ch.	166MHz	1.8/3.3 (+ - 5%)	-45~85	mini-PCI, CardBus, PCMCIA support
Part Name	CPU	Package Type	ROM/FLASH(Kbytes)	Data FLASH (Kbytes)	RAM (Kbytes)	I/O Pins	Interrupt (Int/Ext)	IMC	ENC	Stepper Motor	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	CAPTURE (BitxCh)	PWM (BitxCh)	Max. OSC Freq.	V _{DD} (V)	Oper. Temp.(°C)	Other Features
Inverter Motor Application																				
S3F401FXZZ-QX8F*	ARM7TDMI	100QFP	256	-	20	66	59/31	2 ch.	2 ch.	-	BT/WDT/16BTx6	UARTx2, SSPx2	-	12x15	-	-	90MHz	3.0~3.6	-40~85	-
S3F401FXZZ-TX8F*		100TQFP																		
Part Name	CPU	Package Type	ROM/FLASH(Kbytes)	Data FLASH (Kbytes)	RAM (Kbytes)	I/O Pins	Interrupt (Int/Ext)	CAN	LIN	Stepper Motor	Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	CAPTURE (BitxCh)	PWM (BitxCh)	Max. OSC Freq.	V _{DD} (V)	Oper. Temp.(°C)	Other Features
CAN/LIN Application																				
S3F4A0KRZZ-EC8K	ARM7TDMI	144LQFP	1024	32	32	111	44/20	4ch.	3ch.	6ch. (Driver 4ch)	WDT(16x1),ST0(16x2), ST1(16x2),ST2(16x2), GPT(16x3),STT(32x1)	SPI0(8x1), SPI1(16x1), IIC(2ch)	40/4	10x16	16x2	8x12,16x2	40MHz	3.0~5.5	-40~105	LDMA, EPC, POR, LVD, Clock monitor
S3F4A0KJZZ-EC8K																			-40~85	
S3F4A1HRZZ-TX8H	ARM7TDMI	100TQFP	512	32	16	74	52/12	2ch.	3ch.	4ch. (No Driver)	WDT(16x1),ST0(16x2), ST1(16x2),GPT(16x3), STT(32x1)	SPI0(8x1), SPI1(16x1), IIC(2ch)	30/4	10x16	16x1	8x8,16x2	40MHz	3.0~5.5	-40~105	LDMA, POR, LVD, Clock monitor
S3F4A1HJZZ-TX8H																			-40~85	
S3F4A2FRZZ-TW8F*	ARM7TDMI	80TQFP	256	-	8	59	54/10	1ch.	2ch.	-	WDT(16x1),ST0(16x2), ST1(16x2),GPT(16x3), STT(32x1)	SPI0(8x1), SPI1(16x1), IIC(1ch)	-	10x16	-	16x8	20MHz	3.0~5.5	-40~105	LDMA, POR, LVD, Clock monitor
S3F4A2FJZZ-TW8F*																			-40~85	
Part Name	CPU	Package Type	ROM (Kbytes)	RAM (bytes)	I/O Pins	Interrupt (Int/Ext)					Timer/Counter	Serial Interface	LCD (Seg/Com)	ADC (BitxCh)	CAPTURE (BitxCh)	PWM ⁽¹⁾ (BitxCh)	Max. OSC Freq.	V _{DD} (V)	Oper. Temp.(°C)	Other Features
General Purpose Application																				
S3F441FXZZ-ETRF	ARM7TDMI	64LQFP	256	8	16	16/3					8-bit BT3-bit WDT16bit Timer/Counter 6ch	UART	-	-	-	-	40MHz	3.0~3.6	0~70	
S3F443FXZZ-ET8F	ARM7TDMI	64LQFP	256	8	16	18/3					8-bit BT3-bit WDT16bit Timer/Counter 6ch	UART	-	-	-	8x1	40MHz	3.0~3.6	0~70	
S3F445HXZZ-TX8H	ARM7TDMI	100TQFP	512	16	73	22/8					8-bit BT3-bit WDT16bit Timer/Counter 6ch	UARTx2	-	10x8	-	-	40MHz	3.0~3.6	0~70	

1. * Under Development Contact Samsung Sales Offices for availability

2. Abbreviation

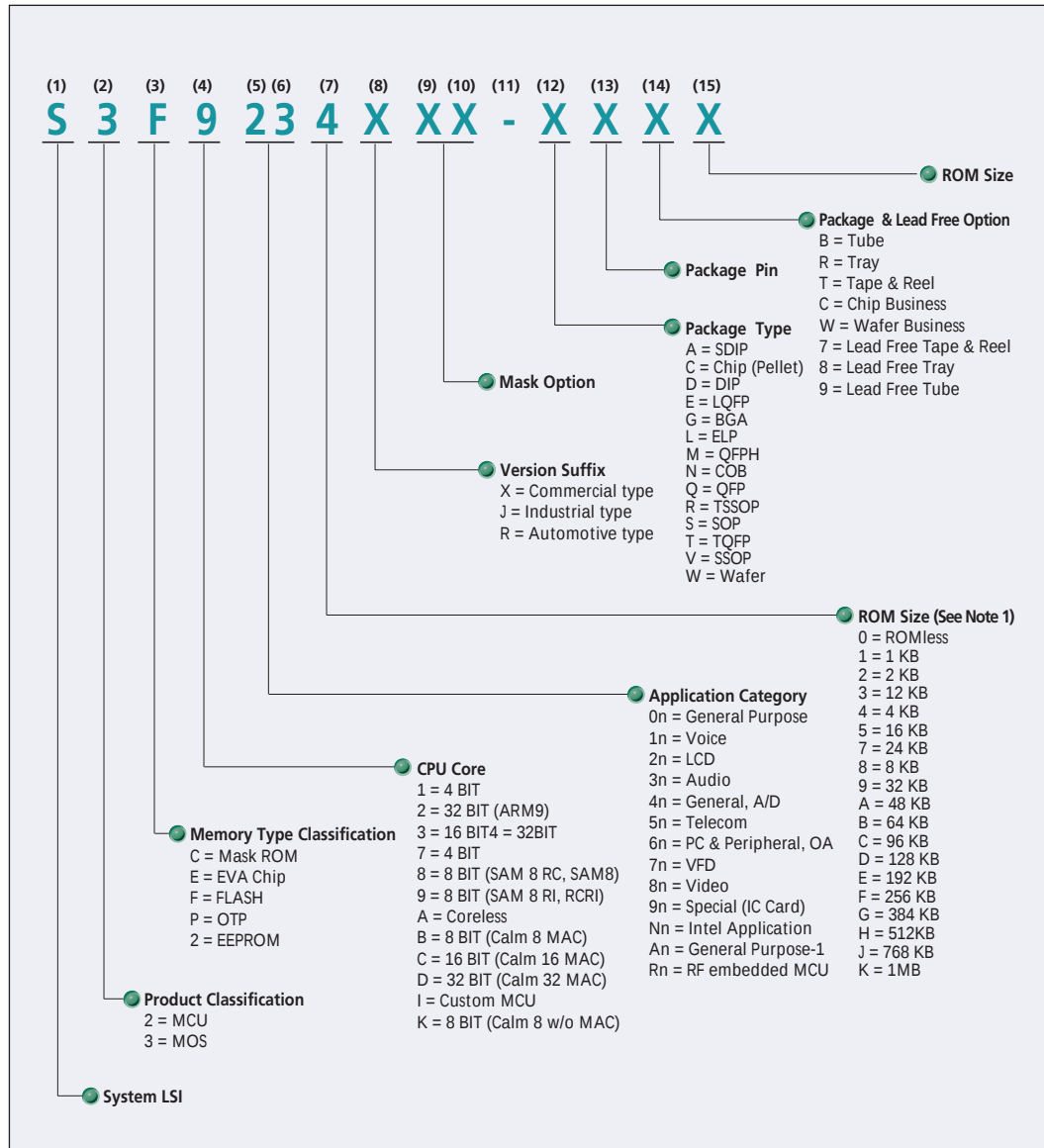
ADC = Analog to Digital converter
WT = Watch Timer
GPT = General Purpose Timer

POR = Power On Reset
WDT = Watchdog Timer
SSP = Synchronous Serial Port

LVD=Low Voltage Detector
T = Simple Timer
IMC = Inverter Motor Controllers

BT = Basic Timer
STT = Stamp Timer
ENC = Encoder Counter

MCU Product Numbering Guide



Serial EEPROM

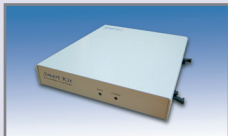
Serial EEPROM						
Part Name	Density(bit)	Write protection	Vopr(V)	Write Cycle Time(Max.)	Interface	Package
S524A40X20-RC70	2K	by Hardware, and Software	1.8 ~ 5.5V	5ms	1°C Bus	DCB0=8DIP SCB0=8SOP SCT0=8SOP (T&R) RCT0=8TSSOP (T&R)
S524A40X21-DC90						
S524A40X21-SC90						
S524A40X21-SC70						
S524A40X41-DC90	4K	by Hardware				
S524A40X41-SC90						
S524A40X41-SC70						
S524A60X51-DC90	16K					
S524A60X51-SC90						
S524A60X51-SC70						
S524A60X81-DC90						
S524A60X81-SC90						
S524A60X81-SC70						
S524AB0X91-DC90	32K					
S524AB0X91-SC90						
S524AB0X91-SC70						
S524AB0XB1-DC90	64K					
S524AB0XB1-SC90						
S524AB0XB1-SC70						
S524AD0XF1-RC70	256K					
S524AE0AH1-RC70	512K					

EOL List

EOL List					
Master Code	EOL Notification	New Code Stop	Last Order	Last Shipment	Replacable Product
7054D	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	S3F80L4
7234X	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	S3F8274
7538D	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	
7565X	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	S3F82F5
84A4X	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	
84C4X	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	
852BX	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	
8629X	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	
B519X	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	
IN54X	31-Aug-06	31-Jan-07	30-Apr-07	31-Jul-07	
7048D	01-Mar-07	31-Aug-07	29-Nov-07	29-Feb-08	
7324X	01-Mar-07	31-Aug-07	29-Nov-07	29-Feb-08	
831BX	01-Mar-07	31-Aug-07	29-Nov-07	29-Feb-08	S3F833B
8325X	01-Mar-07	31-Aug-07	29-Nov-07	29-Feb-08	
9004D	01-Mar-07	31-Aug-07	29-Nov-07	29-Feb-08	
K215X	01-Mar-07	31-Aug-07	29-Nov-07	29-Feb-08	
1840D	01-Apr-07	30-Sep-07	31-Dec-07	31-Mar-08	
1850X	01-Apr-07	30-Sep-07	31-Dec-07	31-Mar-08	
1860D	01-Apr-07	30-Sep-07	31-Dec-07	31-Mar-08	

In-Circuit Emulators

● 8-BIT SAM8 MCU

Name (Tool Supplier)	OPENice-i500 (Aiji System)	SK-1200 (Seminix)	Invisible MDS (Aiji System)
Features	• Support SAM4/8 • R232C Communication • Real time emulation at full processor speed(Max 30MHz) • Flash MCU debuggging support • 64KB Emulation Memory • Very fast OTP/MTP Programming • Real Time Trace (32KB) • Run Time View	• USB or RS232C communication • Real-time emulation at full processor speed(Max 30MHz) • Download/upload and code edit • Real time trace • Run time measurement function • Run history view • Sub-clock run mode debugging • OPT/MTP programmer	• JTAG Interface(RS232C/Parallel port can be used) • Source level debugger • Real-time emulation at full processor speed • Memory upload/download • Register/stack/variables view • Step debugging • Breakpoint/Watchpoint debugging • On the fly
Picture			

● 32-BIT ARM MCU

Name (Tool Supplier)	OPENice32-A1000 (Aiji System)	SK-3200 (Seminix)	RealView-ICE (ARM)
Features	• Support ARM7/9/10/11, Xscale, Faraday • Multi-core debugging • Download Speed: 700 KB/sec • Stand Alone Flash Programming • Fast Flash Programming	• Support ARM7/9/10/11, Intel PXA250 • Download Speed: 130 KB/sec • USB connection to host PC • Support third party debugger, AXD, ADW • Software and hardware breakpoint • Wide range of target voltage (1.8 ~ 5.0V)	• Support ARM7/9/10, 11, Cortex Family • Multiprocessor debugging • Download: 1.3 MB/sec • High Speed Single Stepping: upto 100 steps/sec • Wide range of target voltage (1.0 ~ 5.0V) • USB 1.1, 2.0 connection • Ethernet 10/100baseT remote and local host connection
Picture			

OTP Programmers

OTP Writers (Tool Supplier)	GW-PRO2 (Seminix)	SPW-uni (Seminix)	US-pro (Seminix)	AS-pro (Seminix)
Features	• All Samsung OTP/MTP • 8-Gang Programmer • Stand-alone(No PC)	• All Samsung OTP/MTP • Single Chip • Universal (NOR/NAND Flash, Other MCU)	• All Samsung OTP/MTP • Single Chip • Portable (USB interface)	• All Samsung OTP/MTP • Portable & Stand-alone • 128MB internal memory
Picture				

Samsung Microcontroller Tool Guide		
Package	OTP Adapter (SMDSII+, SPW)	Adapter (GW-Pro2, SPW-uni)
8SOP	SA-8SOP	GA-8SOP
16SOP	SA-16SOP	GA-16SOP
20DIP	SA-20DIP	GA-20DIP
20SOP	SA-20SOP	GA-20SOP
20SSOP	SA-20SSOP	GA-20SSOP
24SDIP	SA-24SDIP	GA-24SDIP
24SOP	SA-24SOP	GA-24SOP
28SOP	SA-28SOP	GA-28SOP
30SDIP	SA-30SDIP	GA-30SDIP
32SDIP	SA-32SDIP	GA-32SDIP
32SOP	SA-32SOP	GA-32SOP
42SDIP	SA-42SDIP	GA-42SDIP
44QFP	SA-44QFP	GA-44QFP
64LQFP	SA-64LQFP	GA-64LQFP
64QFP	SA-64QFP	GA-64QFP
64SDIP	SA-64SDIP	GA-64SDIP
80QFP	SA-80QFP	GA-80QFP
80TQFP	SA-80TQFP	GA-80TQFP
100QFP	SA-100QFP	GA-100QFP
100TQFP	SA-100TQFP	GA-100TQFP
128QFP	SA-128QFP	GA-128QFP
144QFP	SA-144QFP	GA-144QFP
160QFP	SA-160QFP	GA-160QFP

Samsung 4-Bit Microcontroller Tool Guide		
Part Name	OTP Adapter (SMDSII+, SPW)	Adapter (GW-Pro2, SPW-uni)
S3C7-Series		
S3C7048DZ0-AQB4	SA7048-42SDIP SA7048-44QFP	GA7048-42SDIP GA7048-44QFP
S3C7048DZ0-QZR4		
S3C7048DZ0-AQB8 S3C7048DZ0-QZR8		
S3C7515DZ0-ATB5	S3C7515-64SDIP	GA7515-64SDIP
S3C7515DZ0-QTR5	S3C7515-64QFP	GA7515-64QFP
S3C7544XZ0-AMB4	SA7544-24SDIP	GA7544-24SDIP
S3C7544XZ0-SMB4	SA7544-24SOP	GA7544-24SOP

Samsung 8-Bit Microcontroller Tool Guide		
Part Name	OTP Adapter (SMDSII+, SPW)	Adapter (GW-Pro2, SPW-uni)
S3C8-Series		
S3C863AXZ0-AQB9	SA-42SDIP SA8837-42SDIP	GA-42SDIP GA8629-44QFP
S3C863AXZ0-QZR9		
S3C863AXZ0-AQBA		
S3C863AXZ0-QZRA		
S3C880AXZ0-AQBA	SA8837-42SDIP	GA8837-42SDIP
S3C9488XZ0-AOB8	SA-32SDIP SA-32SOP SA-42SDIP SA-44QFP	GA-32SDIP GA-32SOP GA-42SDIP GA-44QFP
S3C9488XZ0-SOB8		
S3C9488ZZ0-AQB8		
S3C9488XZ0-QZR8		
S3C84BBXZ0-TWRB	SA84BB-80TQFP	GA84BB-80TQFP
S3C84BBXZ0-QWRB	SA-80QFP	GA-80QFP
S3C84DBXZ0-TXRB	SA84DB-100TQFP	GA84DB-100TQFP
S3C84DBXZ0-QXRB	SA-100QFP	GA-100QFP

INTERNATIONAL SALES OFFICES

SEMICONDUCTOR BUSINESS SALES & MARKETING DIVISION

San #24 Nongseo-Dong,
Kiheung-Gu, Yongin-City
Kyunggi-Do, Korea
Tel : 82-31-209-1926
Fax : 82-31-209-1909

SAMSUNG SEMICONDUCTOR INC.

3655 North First Street,
San Jose, CA 95134 U.S.A.
Tel : 1-408-544-4000
Fax : 1-408-544-4980

SAMSUNG SEMICONDUCTOR INC. IRVINE OFFICE

3351 Michelson Drive, Suite 250
Irvine CA 92612
Tel : 1-949-975-7000
FAX : 1-949-975-7147

SAMSUNG SEMICONDUCTOR EUROPE GMBH

Samsung Haus,
Am Kronberger Hang 6,
65824, Schwalbach/Ts, Germany
Tel : 49-6196-666665
Fax : 49-6196-663255

SAMSUNG SEMICONDUCTOR EUROPE LTD

Great West House,
Great West Road, Brentford,
Middlesex Tw8 9DQ, UK
Tel : 44-208-3807200
Fax : 44-208-3807220

SAMSUNG SEMICONDUCTOR FRANCE LTD

Centre D affaires
a Boursidiere Rn186, bat
Champagne, bp202, f-92357
Le Plessis Robisson
Tel : 33-1-4601-7180
Fax : 33-1-4094-0216

SAMSUNG JAPAN CORPORATION

ROPPOINGI T-CUBE
3-1-1, Roppongi, Minato-ku
Tokyo 106-8532 Japan
Tel : 81-3-6234-2338
Fax : 81-3-6234-2336

OSAKA BRANCH

6FL., Crystal Tower, 2-27,
1-Chrome, Shiromi Chuo-Ku
Osaka 540-6006, Japan
Tel : 81-6-6949-4848
Fax : 81-6-6949-5133

SAMSUNG ASIA PRIVATE LIMITED

3 Church Street, #24-01/02 Samsung Hub
Singapore 049483
Tel : 65-68333-456
Fax : 65-68333-476

SAMSUNG ELECTRONICS HONG HONG CO., LTD.

43F, Suite 4506-4514, Two International
Finance Center, No. 8 Finance Street, Central,
Hong Kong
Tel : 852-2862-6900
Fax : 852-2866-1343

SAMSUNG ELECTRONICS SHENZHEN CO., LTD.

19FL., Hantang Building, Hua Qiao Cheng,
Nanshan District, Shenzhen, P.R.C CHINA
Tel : 86-755-82461616
Fax : 86-755-82461715

SAMSUNG ELECTRONICS SHANGHAI CO., LTD.

15F Cloud Nine Plaza, No.1118
Yan An (W) RD Shanghai, China
Tel : 86-21-52582211
Fax : 86-21-52582595-5258/2633

SAMSUNG ELECTRONICS CO., LTD SEMICONDUCTOR BUSINESS BEIJING OFFICE

26/F China Merchants Tower,
No.118, Jian Guo Lu, Chao Yang
District, Beijing China, 100022
Tel : 86-10-6566-8100
Fax : 86-10-6566-9410

SAMSUNG ELECTRONICS TAIWAN CO. LTD

10F, No399, Rui Guang Rd. Nei Hu Dist Taipei
Taiwan
Tel : 886-2-2656-8686
Fax : 886-2-2656-8159

MCU Solution Partner INSIDE KOREA

CORE SYSTEM

Room #504, Kolon Science Valley 1, 187-10,
Kuro-Dong, Kuro-Gu, Seoul, Korea
Tel : 82-2-2025-4577
Fax : 82-2-2025-4576
E-Mail : kcc1747@unitel.co.kr

ChipsLine Co.,Ltd.

#1121 Chonggu Bluevill, 11-1 Sunae-Dong,
Bundang-Gu, Sungnam City, Kyungki-Do,
KOREA
Tel : 82-31-719-5460
Fax : 82-31-719-5457
E-Mail : bingo@chipsline.com

Haga Electronics Co., Ltd

313, Daewoo The O ville, 22-5, Shingil-dong,
Youngdeungpo-ku, Seoul, Korea
Tel : 82-2-844-4720
Fax : 82-2-834-2996
E-Mail : hg@haga.co.kr

M.I Korea

#722, 7F, Byucksan/Kyungin Digital Valley2 481-10,
Kasan-Dong, Kumchun-Gu, Seoul, 153-783,
Korea

Tel : 82-2-2113-1107
Fax : 82-2-2113-1109
E-mail : mikor@hanafos.com

SEMINIX Co., Ltd.

2nd Fl. EGTel Building, #835-8 Yoksam-Dong,
Kangnam-Gu, Seoul Korea
Tel : 82-2-539-7891
Fax : 82-2-539-7819
E-mail : sales@seminix.com

VersaChips

3F, Doosung Building 1357-18, Seocho-2Dong,
Seocho-Gu, Seoul, Korea
Tel : 82-2-572-0756
Fax : 82-2-571-3857
E-mail : jhlee@vchips.co.kr

WATLOGIC CO.,LTD

1511, Daerung Technotown 8, 481-11, Gasan-Dong,
Gumchun-Gu, Seoul, Korea
Tel : 82-2-3281-8848
Fax : 82-2-3281-8857
E-mail : mcuprovider@watlogic.co.kr

YELIMSA CO.,LTD.

15, Pasan-Ri, Goa-Eup, Gumi-City, Kyeongsangbuk-
Do, Korea
Tel : 82-54-482-5585
Fax : 82-54-482-5583
E-Mail : bj@yelimsa.co.kr

YaMu Solutions

A-1002, Yeongtong Digital Empire, 980-3
Yeongtong-dong, Yeongtong-gu, Suwon-si,
Kyeonggi-do Korea
Tel : 82-31-303-8420
Fax : 82-31-303-8425
E-Mail : unyeong@yamu.co.kr

MCU Solution Partner OUTSIDE KOREA

AMS TECHNOLOGY CO., LTD.

ROOM 28D, BLOCK1, CITY OF SUNNY PLAZA,
6017 SHENNAN ROAD, FUTIAN DISTRICT,
SHENZHEN, CHINA
Tel : +86-755-82048613
Fax : +86-755-82048471
E-mail : ams@amstech.cn
URL : www.amstech.cn

AMSS Company LTD.

RM210, HuaLian Development Bldg
No.728, XinHua RD, SHANGHAI
CHINA
TEL : +86-21-5258-8171
FAX : +86-21-5258-8173
E-mail : kmkim@amstech.cn
URL : www.amstech.cn

BEIJING TSINGHUA UNISPLENDOR CO., LTD.

Room B602, Xueyan Bd.,
Tsinghua university Beijing, China
TEL : 861-627-1869
FAX : 861-6277-1858

CYBER ELECTRONICS COMPANY

UNIT 908, 9/F., 113 ARGYLE STREET, MONGKOK,
KOWLOON, HONG KONG
TEL : 852-2713-0831
FAX : 852-2591-9122

DONGSUNG ELECTRONICS (HK) LTD

UNIT 2307, 23/F., ENTERPRISE SQUARE THREE,
NO.39 WANG CHIU ROAD, KOWLOON BAY, KLN,
HONGKONG
TEL : 852-2756-5656
FAX : 852-2756-5695

Firstec Electronics Corp

5F-1, No 3-1 Yuan Qu St. Nangang District, Taipei
115
Nangang Software Park
Taiwan
TEL : 886-2-2655-7400
FAX : 886-2-2655-7461
E-mail : kylin@firstec.com.tw

INFO SPACE (HK) LTD

No.1750 Hubei Bldg, Bin He Road
Shenzhen China
TEL : 85-755-356-6167
FAX : 86-755-356-6102

LI SENG TECHNOLOGY LIMITED

ROOM 3701, 118 CONNAUGHT ROAD WEST
HONG KONG
TEL : 852-2540-8348
FAX : 852-2547-5706

MC&T ELECTRONICS LIMITED

UNIT 704, 7/F., HENG NGAI JEWELRY CTR.,
4 HOK YUEN STREET EAST, HUNG HOM, KOWLOON,
HONG KONG
TEL : 852-2191-5009
FAX : 852-2380-5247

YAMU Solutions HK

ROOM C 702, SKYWORTH BUILDING, HI-THCH
INDUSTRIAL PARK, SHENNAN ROAD, SHENZHEN PR
China
TEL : +86-755-2674-3280
FAX : +86-755-2674-3281
E-mail : ds2akm@unitel.co.kr

Yosun Industrial Corp

9F, No 489, Tiding AVE., SEC.2 Nei Hu, Taipei
Taiwan
Tel : 886-2-2659-8168, 8166
Fax : 886-2-2659-7869, 8167
E-mail : gf@yosun.com.tw
URL : www.yosun.com.tw

MCU TOOL SUPPLIERS

AJII System Co., Ltd.

2th FL., Samho Park Tower Bldg.,
1122-10, Ingye-Dong, Paldal-Gu,
Suwon-City, Gyeonggi-Do, Korea
Tel : 82-31-231-9940
Fax : 82-31-231-9877
E-mail : openice@aijssystem.com
URL : http://aijssystem.com/

AJII System HK Co., Ltd.

Room 915-916, South Block, Cangsong B/D,
Terra Industry Park, Futian District,
Shenzhen City, China
Tel : 86-755-8349-6925, 6986(ext.816)
Fax : 86-755-8349-6971
E-Mail : lugi@aijssystem.com
URL : http://aijssystem.com/

ARM Ltd.

110 Fulbourn Road
Cambridge, UK
CB1 9NJ United Kingdom
E-Mail : order-europe@arm.com
URL : http://www.arm.com

Meritech Co., Ltd.

4th Fl, Agaworld B/D, 1357-74
Seocho-Dong, Secho-Gu
Seoul, Korea
TEL : 82-2-586-8203
Fax : 82-2-588-7868
E-Mail : sales@meritech.co.kr
URL : http://www.meritech.co.kr

SEMINIX Co., Ltd.

2nd Fl. EGTel Building, #835-8
Yoksam-Dong, Kangnam-Gu
Seoul Korea(135-080)
Tel : 82-2-539-7891
Fax : 82-2-539-7819
E-mail : sales@seminix.com
URL : www.seminix.com

SAMSUNG Semiconductor Business

San #24 Nongseo-Dong, Kihueng-Gu, Yongin-City, Kyungki-Do, Korea Tel : 82-31-209-1926 Fax : 82-31-209-1909

*The appearance and specifications about the product is subject to change for improvement without a notice.

*The information in this catalogue was updated March, 2007.



©Samsung Electronics Co., Ltd. 2007
Printed in the Republic of Korea