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STM32F1 Series

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Part Number	Package	Marketing Status	Core	Operating Frequency(F) (Processor speed)	FLASH Size (Prog)	Data E2PROM nom (B)	Internal RAM Size	Timers (16 bit) typ ()	Timers (32 bit) typ ()	Other timer functions
STM32F100C4	LQFP 48 7x7x1.4	Active	ARM Cortex-M3	24	16	-	4	6	-	2 x etc., RTC, 24-bit down counter
STM32F100C6	LQFP 48 7x7x1.4	Active	ARM Cortex-M3	24	32	-	4	6	-	2 x etc., RTC, 24-bit down counter
STM32F100C8	LQFP 48 7x7x1.4	Active	ARM Cortex-M3	24	64	-	8	7	-	2 x etc., RTC, 24-bit down counter
STM32F100CB	LQFP 48 7x7x1.4	Active	ARM Cortex-M3	24	128	-	8	7	-	2 x etc., RTC, 24-bit down counter
STM32F100R4	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex-M3	24	16	-	4	6	-	2 x etc., RTC, 24-bit down counter
STM32F100R6	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex-M3	24	32	-	4	6	-	2 x etc., RTC, 24-bit down counter
STM32F100R8	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex-M3	24	64	-	8	7	-	2 x etc., RTC, 24-bit down counter
STM32F100RB	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex-M3	24	128	-	8	7	-	2 x etc., RTC, 24-bit down counter

STM32F100RC	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	24	256	-	24	11	-	2 x etc., RTC, 24-bit down counter
STM32F100RD	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	24	384	-	32	11	-	2 x etc., RTC, 24-bit down counter
STM32F100RE	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	24	512	-	32	11	-	2 x etc., RTC, 24-bit down counter
STM32F100V8	LQFP 100 14x14x1.4	Active	ARM Cortex- M3	24	64	-	8	7	-	2 x etc., RTC, 24-bit down counter
STM32F100VB	LQFP 100 14x14x1.4	Active	ARM Cortex- M3	24	128	-	8	7	-	2 x etc., RTC, 24-bit down counter
STM32F100VC	LQFP 100 14x14x1.4	Active	ARM Cortex- M3	24	256	-	24	11	-	2 x etc., RTC, 24-bit down counter
STM32F100VD	LQFP 100 14x14x1.4	Active	ARM Cortex- M3	24	384	-	32	11	-	2 x etc., RTC, 24-bit down counter
STM32F100VE	LQFP 100 14x14x1.4	Active	ARM Cortex- M3	24	512	-	32	11	-	2 x etc., RTC, 24-bit down counter
STM32F100ZC	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	24	256	-	24	11	-	2 x etc., RTC, 24-bit down counter
STM32F100ZD	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	24	384	-	32	11	-	2 x etc., RTC, 24-bit down counter
STM32F100ZE	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	24	512	-	32	11	-	2 x etc., RTC, 24-bit down counter

STM32F101C6	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	36	32	-	6	2	-	2 x etc., RTC, 24-bit down counter
STM32F101C8	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	36	64	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F101CB	LQFP 48 7x7x1.4; UFQFPN 48 7x7x0.55	Active	ARM Cortex- M3	36	128	-	16	3	-	2 x etc., RTC, 24-bit down counter
STM32F101R4	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	36	16	-	4	2	-	2 x etc., RTC, 24-bit down counter
STM32F101R6	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	36	32	-	6	2	-	2 x etc., RTC, 24-bit down counter
STM32F101R8	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	36	64	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F101RB	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex- M3	36	128	-	16	3	-	2 x etc., RTC, 24-bit down counter
STM32F101RC	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	36	256	-	32	6	-	2 x etc., RTC, 24-bit down counter
STM32F101RD	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	36	384	-	48	6	-	2 x etc., RTC, 24-bit down counter
STM32F101RE	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	36	512	-	48	6	-	2 x etc., RTC, 24-bit down counter
STM32F101RF	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	36	768	-	80	12	-	2 x etc., RTC, 24-bit down counter
	LQFP 64		ARM							2 x etc., RTC, 24-bit

STM32F101RG	10x10x1.4	Active	Cortex-M3	36	1024	-	80	12	-	down counter
STM32F101T4	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	36	16	-	4	2	-	2 x etc., RTC, 24-bit down counter
STM32F101T6	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	36	32	-	6	2	-	2 x etc., RTC, 24-bit down counter
STM32F101T8	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	36	64	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F101TB	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	36	128	-	16	3	-	2 x etc., RTC, 24-bit down counter
STM32F101V8	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	36	64	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F101VB	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	36	128	-	16	3	-	2 x etc., RTC, 24-bit down counter
STM32F101VC	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	36	256	-	32	6	-	2 x etc., RTC, 24-bit down counter
STM32F101VD	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	36	384	-	48	6	-	2 x etc., RTC, 24-bit down counter
STM32F101VE	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	36	512	-	48	6	-	2 x etc., RTC, 24-bit down counter
STM32F101VF	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	36	768	-	80	12	-	2 x etc., RTC, 24-bit down counter
STM32F101VG	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	36	1024	-	80	12	-	2 x etc., RTC, 24-bit down

			M3							counter
STM32F101ZC	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	36	256	-	32	6	-	2 x etc., RTC, 24-bit down counter
STM32F101ZD	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	36	384	-	48	6	-	2 x etc., RTC, 24-bit down counter
STM32F101ZE	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	36	512	-	48	6	-	2 x etc., RTC, 24-bit down counter
STM32F101ZF	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	36	768	-	80	12	-	2 x WDG, RTC, 24-bit down counter, 2x16-bit Basic timers
STM32F101ZG	LQFP 144 20x20x1.4	Active	ARM Cortex- M3	36	1024	-	80	12	-	2 x etc., RTC, 24-bit down counter
STM32F102C4	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	48	16	-	4	2	-	2 x etc., RTC, 24-bit down counter
STM32F102C6	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	48	32	-	6	2	-	2 x etc., RTC, 24-bit down counter
STM32F102C8	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	48	64	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F102CB	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	48	128	-	16	3	-	2 x etc., RTC, 24-bit down counter
STM32F102R4	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	48	16	-	4	2	-	2 x etc., RTC, 24-bit down counter

STM32F102R6	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	48	32	-	6	2	-	2 x etc., RTC, 24-bit down counter
STM32F102R8	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	48	64	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F102RB	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	48	128	-	16	3	-	2 x etc., RTC, 24-bit down counter
STM32F103C4	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	72	16	-	6	3	-	2 x etc., RTC, 24-bit down counter
STM32F103C6	LQFP 48 7x7x1.4; UFQFPN 48 7x7x0.55	Active	ARM Cortex- M3	72	32	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F103C8	LQFP 48 7x7x1.4	Active	ARM Cortex- M3	72	64	-	20	4	-	2 x etc., RTC, 24-bit down counter
STM32F103CB	LQFP 48 7x7x1.4; UFQFPN 48 7x7x0.55	Active	ARM Cortex- M3	72	128	-	20	4	-	2 x etc., RTC, 24-bit down counter
STM32F103R4	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex- M3	72	16	-	6	3	-	2 x etc., RTC, 24-bit down counter
STM32F103R6	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex- M3	72	32	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F103R8	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex- M3	72	64	-	20	4	-	2 x etc., RTC, 24-bit down counter
STM32F103RB	LQFP 64 10x10x1.4; TFBGA 64 5x5x1.2	Active	ARM Cortex- M3	72	128	-	20	4	-	2 x etc., RTC, 24-bit down counter
	LQFP 64		ARM							2 x etc.,

STM32F103RC	10x10x1.4; 64 WLCSP	Active	Cortex-M3	72	256	-	48	8	-	RTC, 24-bit down counter
STM32F103RD	LQFP 64 10x10x1.4; 64 WLCSP	Active	ARM Cortex-M3	72	384	-	64	8	-	2 x etc., RTC, 24-bit down counter
STM32F103RE	LQFP 64 10x10x1.4; 64 WLCSP	Active	ARM Cortex-M3	72	512	-	64	8	-	2 x etc., RTC, 24-bit down counter
STM32F103RF	LQFP 64 10x10x1.4	Active	ARM Cortex-M3	72	768	-	96	12	-	2 x etc., RTC, 24-bit down counter
STM32F103RG	LQFP 64 10x10x1.4	Active	ARM Cortex-M3	72	1024	-	96	12	-	2 x etc., RTC, 24-bit down counter
STM32F103T4	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	72	16	-	6	3	-	2 x etc., RTC, 24-bit down counter
STM32F103T6	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	72	32	-	10	3	-	2 x etc., RTC, 24-bit down counter
STM32F103T8	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	72	64	-	20	4	-	2 x etc., RTC, 24-bit down counter
STM32F103TB	VFQFPN 36 6x6x1-0	Active	ARM Cortex-M3	72	128	-	20	4	-	2 x etc., RTC, 24-bit down counter
STM32F103V8	LFBGA 100 10x10x1.7; LQFP 100 14x14x1.4	Active	ARM Cortex-M3	72	64	-	20	4	-	2 x etc., RTC, 24-bit down counter
STM32F103VB	LFBGA 100 10x10x1.7; LQFP 100 14x14x1.4; UFBGA 100 7x7x0.6	Active	ARM Cortex-M3	72	128	-	20	4	-	2 x etc., RTC, 24-bit down counter

STM32F103VC	LFBGA 100 10x10x1.7; LQFP 100 14x14x1.4	Active	ARM Cortex- M3	72	256	-	48	8	-	2 x etc., RTC, 24-bit down counter
STM32F103VD	LFBGA 100 10x10x1.7; LQFP 100 14x14x1.4	Active	ARM Cortex- M3	72	384	-	64	8	-	2 x etc., RTC, 24-bit down counter
STM32F103VE	LFBGA 100 10x10x1.7; LQFP 100 14x14x1.4	Active	ARM Cortex- M3	72	512	-	64	8	-	2 x etc., RTC, 24-bit down counter
STM32F103VF	LQFP 100 14x14x1.4	Active	ARM Cortex- M3	72	768	-	96	14	-	2 x etc., RTC, 24-bit down counter
STM32F103VG	LQFP 100 14x14x1.4	Active	ARM Cortex- M3	72	1024	-	96	14	-	2 x etc., RTC, 24-bit down counter
STM32F103ZC	LFBGA 144 10x10x1.7; LQFP 144 20x20x1.4	Active	ARM Cortex- M3	72	256	-	48	8	-	2 x etc., RTC, 24-bit down counter
STM32F103ZD	LFBGA 144 10x10x1.7; LQFP 144 20x20x1.4	Active	ARM Cortex- M3	72	384	-	64	8	-	2 x etc., RTC, 24-bit down counter
STM32F103ZE	LFBGA 144 10x10x1.7; LQFP 144 20x20x1.4	Active	ARM Cortex- M3	72	512	-	64	8	-	2 x etc., RTC, 24-bit down counter
STM32F103ZF	LFBGA 144 10x10x1.7; LQFP 144 20x20x1.4	Active	ARM Cortex- M3	72	768	-	96	14	-	2 x etc., RTC, 24-bit down counter
STM32F103ZG	LFBGA 144 10x10x1.7; LQFP 144 20x20x1.4	Active	ARM Cortex- M3	72	1024	-	96	14	-	2 x etc., RTC, 24-bit down counter
STM32F105R8	LQFP 64 10x10x1.4	Active	ARM Cortex- M3	72	64	-	64	7	-	2 x etc., RTC, 24-bit down counter
			ARM							2 x etc.,

STM32F105RB	LQFP 64 10x10x1.4	Active	Cortex-M3	72	128	-	64	7	-	RTC, 24-bit down counter
STM32F105RC	LQFP 64 10x10x1.4	Active	ARM Cortex-M3	72	256	-	64	7	-	2 x etc., RTC, 24-bit down counter
STM32F105V8	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	72	64	-	64	7	-	2 x etc., RTC, 24-bit down counter
STM32F105VB	LFBGA 100 10x10x1.7; LQFP 100 14x14x1.4	Active	ARM Cortex-M3	72	128	-	64	7	-	2 x etc., RTC, 24-bit down counter
STM32F105VC	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	72	256	-	64	7	-	2 x etc., RTC, 24-bit down counter
STM32F107RB	LQFP 64 10x10x1.4	Active	ARM Cortex-M3	72	128	-	64	7	-	2 x etc., RTC, 24-bit down counter
STM32F107RC	LQFP 64 10x10x1.4	Active	ARM Cortex-M3	72	256	-	64	7	-	2 x etc., RTC, 24-bit down counter
STM32F107VB	LQFP 100 14x14x1.4	Active	ARM Cortex-M3	72	128	-	64	7	-	2 x etc., RTC, 24-bit down counter
STM32F107VC	LFBGA 100 10x10x1.7; LQFP 100 14x14x1.4	Active	ARM Cortex-M3	72	256	-	64	7	-	2 x etc., RTC, 24-bit down counter

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