

General Purpose Microprocessor Support ICs

Real Time Clocks



A - Time of Day WU - Wake-up P - Periodic RC - RAM Clear STD - (HH:MM:SS)  
 WD - Watchdog KS - Kickstart U - Update in Progress CR - Century Register STD+hh (HH:MM:SS + hundredths)

\* Y2K compatible (2 digit counter, software required to calculate century value)  
 \*\* Y2K compliant (4 digit counter, no software intervention necessary)

210884

Mfrs. List No.	Pins	Pkg	Type	Power Options	Clock Format	Calendar Format	User RAM (Bytes)	Interrupts	Bus Type	Order Code	1+	25+	100+	+
DS1302+*	8	DIL		3V-5V	STD	STD	31		3-wire	118-8041	179.00	141.00	113.00	--
DS1602S+*	8	SOIC		-5V	Binary	Binary	31		3-wire	118-8028	337.00	242.00	198.00	--
DS1302Z+*	8	SOIC		3V-5V	STD	STD	31		3 wire	972-6314	189.00	153.00	139.00	--
DS1305+*	16	DIL		3V-5V	STD	STD	96	A x 2	3 wire or SPI	118-8068	288.00	206.00	169.00	--
DS1305E+*	20	TSSOP		3V-5V	STD	STD	96	A x 2	3 wire or SPI	972-6209	306.00	258.00	211.00	--
DS1307+*	8	DIL		5V	STD	STD	56	2-wire		118-8042	212.00	153.00	125.00	--
DS1307Z+*	8	SOIC		5V	STD	STD	56	2-wire		787-140	256.00	195.00	168.00	--
DS1307Z+*	8	SOIC		5V	STD	STD	56	2-wire		972-6322	188.00	156.00	138.00	--
DS1307ZN+*	8	SOIC		5V	STD	STD	56	2-wire		972-5253	236.00	170.00	139.00	--
DS1302+**	8	DIL		5V	BINARY	BINARY				118-8041	179.00	141.00	113.00	--
DS1602+**	8	DIL		5V	BINARY	BINARY			3 wire	118-8027	306.00	220.00	180.00	--
DS1602S+**	8	SOIC		5V	BINARY	BINARY			3-wire	118-8028	337.00	242.00	198.00	--
DS1603**	7	SIL/SIP		5V	BINARY	BINARY			3-wire	670-819	810.00	582.00	501.00	--
DS1315-5*	16	DIL	Clocks	5V	STD+hh	STD			Phantom	309-5757	844.00	685.00	610.00	--
DS1286*	28	DIL	Watchdog	5V	STD+hh	STD	50	A, WD	Parallel/					
			Timekeepers						Byte-wide	403-751	1,497.00	1,045.00	854.00	--
DS12887*	24	DIL	Multiplexed	5V	STD	STD	114	A, P, U	Parallel/	703-400	512.00	390.00	376.00	--
DS12C887**	24	DIL		5V	STD	STD	114	A, P, U	Mux'ed	333-0047	512.00	413.00	376.00	--
DS1687-5**	24	DIL	Time Clocks	5V	STD	STD	114 + (128 SW cntrl)	WU, RC, CR		671-009	801.00	625.00	536.00	--
DS1687-5+**	24	DIL	Time Clocks	5V	STD	STD	114 + (128 SW cntrl)	WU, RC, CR		972-6241	536.00	384.00	312.00	--
DS17287-5**	24	DIL		5V	STD	STD	114 + (128 SW cntrl)			671-010	843.00	680.00	613.00	--

210792/410961

Semiconductors - Integrated Circuits

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Mfrs. List No.	Pins	Pkg	Description	Mfrs. List No.	Order Code	1+	25+	100+	250+	+
68HC68	INTS 16	DIL	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode.	CDP68HC68T1E*	403-702	655.00	575.00	500.00	426.00	--
68HC68	INTS 16	DIL	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode.	CDP68HC68T1EZ*	101-8167	655.00	575.00	500.00	426.00	--
68HC68	INTS 16	SOIC	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode.	CDP68HC68T1M2*	412-6520	655.00	575.00	500.00	426.00	--
68HC68	INTS 16	SOIC	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode.	CDP68HC68T1M2Z*	966-3797	553.00	508.00	454.00	413.00	--
8563	PS 8	DIL	CMOS Real-Time Clock/Calendar with Low Power Consumption and I <sup>2</sup> C-Bus Interface	PCF8563P/F4,112**	890-6122	139.00	113.00	95.00	--	--
8563	PS 8	SOIC	CMOS Real-Time Clock/Calendar with Low Power Consumption and I <sup>2</sup> C-Bus Interface	PCF8563T/F4,112**	890-6130	126.00	102.00	86.00	--	--
8583	PS 8	DIL	Clock/Calendar/Alarm (100ths of seconds to months) with a 256 x 8-bit Static RAM. I <sup>2</sup> C bus interface. 12 or 24 hour mode.	PCF8583P*	403-908	253.00	202.00	152.00	138.00	--
8583	PS 8	SOIC	Clock/Calendar/Alarm (100ths of seconds to months) with a 256 x 8-bit static RAM. I <sup>2</sup> C bus interface. 12 or 24 hour mode. (Rev5 version)	PCF8583T/F5*	120-1272	253.00	202.00	152.00	138.00	--
8593	PS 8	DIL	CMOS Clock/Calendar (hundredths of a second to months) with I <sup>2</sup> C-Bus Interface	PCF8593P,112**	890-6254	250.00	204.00	170.00	--	--
8593	PS 8	SOIC	CMOS Clock/Calendar (hundredths of a second to months) with I <sup>2</sup> C-Bus Interface	PCF8593T/1.112**	890-6262	244.00	201.00	164.00	--	--
12887	MAX 24	DIL	##	DS12887	703-400	512.00	390.00	376.00	--	--
72421	SEIK 18	DIL	CMOS Clock/Calendar (seconds to years) with built-in quartz crystal and INTEL bus interface (120ns access time). Features low current consumption, back-up function, leap year correction, and 12 or 24 hour mode.	RTC72421B*	121-6228	709.00	538.00	430.00	335.00	--
72423	SEIK 24	SOIC	CMOS Clock/Calendar (seconds to years) with built-in quartz crystal and INTEL bus interface (120ns access time). Features low current consumption, back-up function, leap year correction, and 12 or 24 hour mode.	RTC72423B*	121-6229	969.00	696.00	524.00	382.00	--

210602

Mfrs. List No.	Pins	Pkg	Description	Mfrs. List No.	Order Code	1+	25+	100+	250+	+
825X, 16450, 1655X										
16450	TI 40	PLCC	CMOS UART	TL16C450FN..	597-429	158.00	121.00	98.00	91.00	--
16450	TI 40	DIL	CMOS UART	TL16C450N	205-552	162.00	124.00	101.00	94.00	--
16450	STECH 40	DIL	CMOS UART	ST16C450CP40	120-9618	521.00	412.00	355.00	--	--
16550	NSC 40	DIL	CMOS UART with FIFOs	PC16550DN.	482-833	371.00	280.00	220.00	--	--
16550	NSC 40	DIL	CMOS UART with FIFOs	PC16550DN	949-0507	371.00	280.00	220.00	--	--
16554	TI 68	PLCC	CMOS Quad UART with FIFOs	TL16C554FN	110-0960	486.00	418.00	360.00	324.00	--
16C550	TI 48	PQFP	Asynchronous communications element with autoflow control	TL16C550CIPTG4	932-4330	212.00	162.00	124.00	109.00	--
16C550	TI 48	PQFP	Asynchronous communications element with autoflow control	TL16C550CPTG4	932-4348	190.00	145.00	111.00	98.00	--
16C752	TI 48	PQFP	3.3V Dual UART with 64-byte FIFO	TL16C752BPTG4	932-4356	298.00	229.00	190.00	169.00	--
82C50	INTS 40	DIL	CMOS Asynchronous Communications Element - 10MHz	CP82C50A-5	527-750	1,341.00	1,240.00	1,133.00	1,066.00	--
82C50	INTS 40	DIL	CMOS Asynchronous Communications Element - 10MHz	CP82C50A-5Z	121-6115	1,117.00	957.00	863.00	827.00	--
82C54	INTS 24	DIL	CMOS Timer/Counter, 8MHz	CP82C54	559-015	313.00	289.00	265.00	249.00	--
82C54	INTS 24	DIL	CMOS Timer/Counter, 8MHz	CP82C54Z	101-8175	313.00	289.00	265.00	249.00	--
82C55	INTS 44	PLCC	CMOS Programmable peripheral interface (PLCC)	CS82C55AZ	966-3533	288.00	267.00	244.00	229.00	--
82C55	INTS 40	DIL	CMOS Programmable Peripheral Interface, 8MHz	CP82C55A	391-189	290.00	268.00	245.00	231.00	--
82C55	INTS 40	DIL	CMOS Programmable Peripheral Interface, 8MHz	CP82C55AZ	101-8158	290.00	268.00	245.00	231.00	--
82C55	INTS 40	DIL	CMOS Programmable Peripheral Interface, 5MHz	CP82C55A-5	391-190	233.00	215.00	197.00	185.00	--
82C55	INTS 40	DIL	CMOS Programmable Peripheral Interface, 5MHz	CP82C55A-5Z	101-8159	233.00	215.00	197.00	185.00	--

Prices are in Thai Baht and exclude 7% VAT. Due to the volatile nature of certain products, prices are subject to change without notice.