

# STMicroelectronics Analog ICs and RTCs



Products may be RoHS compliant. Check mouser.com for RoHS status.

## SURFACE MOUNT RESET CIRCUITS

These reset circuits are low-power supervisory devices used to monitor power supplies. They perform a single function; asserting a reset signal whenever the VCC supply voltage drops below a preset value and keeping it asserted until VCC has risen above the preset threshold for a minimum period of time.

- Push-pull RST output
- Precision Monitoring of 3V, 3.3V and 5V supply voltages
- 140ms reset pulse width (min)
- Low supply current - 6uA (typ)
- Lead-free package

For quantities of 500 and up, call for quote.

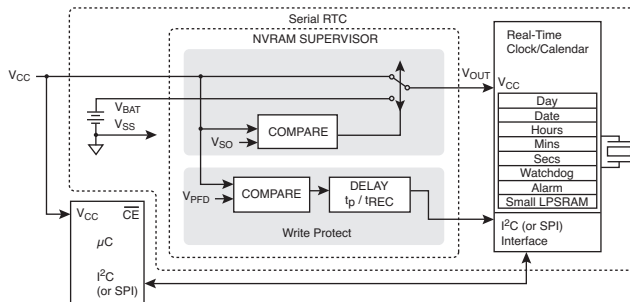
MOUSER STOCK NO.	STM Part No.	Package	Reset Threshold (V)	Device Options								VCC Supply Voltage (V)	Operating Temp. Range (°C)	Price Each			
				Watch dog Input	Active Low RESET	Active High RESET	Manual RESET Input	Battery Switch Over	Power Fail Comp.	Chip Enab. Gating	1			10	100	250	
511-STM809RWX6F	STM809RWX6F	SOT-23-3	2.63	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.47	.31	.291	.271
511-STM811RW16F	STM811RW16F	SOT-143-4	2.63	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.50	.331	.311	.289
511-STM809SWX6F	STM809SWX6F	SOT-23-3	2.93	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.33	.214	.206	.192
511-STM811SW16F	STM811SW16F	SOT-143-4	2.93	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.50	.331	.311	.289
511-STM810TWX6F	STM810TWX6F	SOT-23-3	3.08	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.46	.259	.243	.216
511-STM812TW16F	STM812TW16F	SOT-143-4	3.08	No	No	Yes	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.71	.57	.496	.42
511-STM809TWX6F	STM809TWX6F	SOT-23-3	3.08	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.30	.194	.185	.172
511-STM811TW16F	STM811TW16F	SOT-143-4	3.08	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.50	.321	.311	.289
511-STM810MWX6F	STM810MWX6F	SOT-23-3	4.38	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.46	.259	.237	.216
511-STM809MWX6F	STM809MWX6F	SOT-23-3	4.38	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.46	.259	.243	.216
511-STM810LWX6F	STM810LWX6F	SOT-23-3	4.63	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.46	.256	.24	.214
511-STM812LW16F	STM812LW16F	SOT-143-4	4.63	No	No	Yes	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.61	.496	.42	.363
511-STM809LWX6F	STM809LWX6F	SOT-23-3	4.63	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85	.33	.214	.204	.19
511-STM811LW16F	STM811LW16F	SOT-143-4	4.63	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.56	.363	.346	.323

## SERIAL REAL-TIME CLOCKS (RTC)

Real-Time Clocks keep track of day, date, and time including century, year, month, hour, minutes, and seconds. Many include Battery Switchover circuits, enabling them to keep time even when power is off. Other timekeeping functions offered include Alarm and Watchdog, and a calibration register supports high accuracy requirements.

RTC options include supervisory functions such as Power-on Reset/Low-Voltage Detect, Early Power-Fail Warning, Battery Monitor, and more. Some parts such as the M41ST85 Non-Volatorizer can be used as NVRAM Supervisors by providing Battery Switchover and Write Protection for external Low-Power SRAMs.

ST's popular Serial RTCs support both SPI and I2C buses, and come in packages ranging from QFN16 and TSSOP8 to ST's SNAPHAT® with removable/replaceable battery.



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Density	Organization	Bus Type	Temp. Range (°C)	Supply Voltage (V)	Price Each		
								1	10	100
<b>Surface Mount</b>										
511-M41T0M6E	M41T0M6E	SO-8	64	8 x 8	I2C	-40 to +85	2.0 to 5.5	1.59	1.51	1.37
511-M41T00SM6E	M41T00SM6E	SO-8	64	8 x 8	I2C	-40 to +85	2.0 to 5.5	2.60	2.25	1.87
511-M41T00M6E	M41T00M6E	SO-8	64	8 x 8	I2C	-40 to +85	2.0 to 5.5	2.60	2.03	1.87
511-M41T60Q6F	M41T60Q6F	QFN-16	64	8 x 8	I2C	-40 to +85	1.3 to 3.6	1.26	1.18	1.08
511-M41T62Q6F	M41T62Q6F	QFN-16	128	16 x 8	I2C	-40 to +85	1.3 to 3.6	1.46	1.38	1.25
511-M41T65Q6F	M41T65Q6F	QFN-16	128	16 x 8	I2C	-40 to +85	1.3 to 3.6	2.40	2.06	1.63
511-M41T11M6E	M41T11M6E	SO-8	512	64 x 8	I2C	-40 to +85	2.0 to 5.5	2.43	2.29	2.08
511-M41T11MH6E	M41T11MH6E	SOH-28	512	64 x 8	I2C	-40 to +85	2.0 to 5.5	5.98	5.32	4.57
511-M41T56M6E	M41T56M6E	SO-8	512	64 x 8	I2C	-40 to +85	4.5 to 5.5	1.98	1.95	1.75
511-M41T81M6E	M41T81M6E	SO-8	160	20 x 8	I2C	-40 to +85	2.0 to 5.5	1.91	1.80	1.63
511-M41T81SM6E	M41T81SM6E	SO-8	160	20 x 8	I2C	-40 to +85	2.0 to 5.5	2.63	2.16	1.87
511-M41T94MH6E	M41T94MH6E	SOH-28	512	64 x 8	SPI	-40 to +85	2.7 to 5.5	5.51	5.19	4.37
511-M41T94MQ6E	M41T94MQ6E	SO-16	512	64 x 8	SPI	-40 to +85	2.7 to 5.5	4.44	2.86	2.59
511-M41ST84WMQ6E	M41ST84WMQ6E	SO-16	512	64 x 8	I2C	-40 to +85	2.7 to 3.6	3.38	3.18	2.89
511-M41ST85WMH6E	M41ST85WMH6E	SOH-28	512	64 x 8	I2C	-40 to +85	2.7 to 3.6	7.28	6.85	6.00
511-M41ST85WMX6	M41ST85WMX6	SOX-28	512	64 x 8	I2C	-40 to +85	2.7 to 3.6	7.28	6.09	5.15
511-M41ST87YMX6	M41ST87YMX6	SOX-28	1280	160 x 8	I2C	-40 to +85	4.5 to 5.5	8.24	7.21	6.09
511-M41ST87WMX6	M41ST87WMX6	SOX-28	1280	160 x 8	I2C	-40 to +85	3.0 to 3.6	8.84	7.39	6.26
511-M41ST95WMX6	M41ST95WMX6	SOX-28	512	64 x 8	SPI	-40 to +85	2.7 to 3.6	6.44	6.08	5.37



Analog ICs

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