

STMICROELECTRONICS Drivers, Timers, Analog ICs & RTCs

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

For quantities of 500 and up, call for quote.

STMICROELECTRONICS DRIVERS

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Typ/Max (mA)	Drivers Per Pack.	Temperature Range (°C)	Price Each			
								1	10	100	
Surface Mount											
511-E-L6219DS013TR	L6219DS013TR	SO-24	Stepper motor driver	10 to 46	8/15	4	-20 to +85				
Thru-Hole											
511-TDA0161DP	TDA0161DP	DIP-8	Proximity detectors	4 to 35	10/12	1	-55 to +150				
511-L6506	L6506	DIP-18	Current controller for stepping motor	4.5 to 7	---/25	1	-40 to +150				
511-E-TEA3717DP	E-TEA3717DP	PWRDIP-12+2+2	Stepper motor driver	5	---/25	1	0 to +70				
511-L297	L297/1	DIP-20	Stepper motor controller driver	10	---/80	4	-40 to +150				
511-E-L6219	L6219	PWRDIP-20+2+2	Stepper motor driver	46	8/15	1	-55 to +150				
511-E-PBL3717A	PBL3717A	PWRDIP-12+2+2	Bipolar stepper motor driver	50	---/1	1	0 to +70				
511-L295	L295	Multiwatt-15	Dual switch-mode solenoid driver	50	---/2.5	2	-40 to +150				
511-L294	L294	Multiwatt-11	Switch-mode solenoid driver	50	---/4	1	-40 to +150				
511-L298HN	L298HN	Multiwatt-15	Dual full bridge driver	50	---/4	2	-40 to +150				
511-TDE1767DP	TDE1767DP	DIP-8	Relay, lamp & stepping motor driver	50	5.8/8	1	-25 to +85				
511-TDE1798DP	TDE1798DP	DIP-8	Intelligent switch driver	50	6.5/8	1	-25 to +85				
511-L6208N	L6208N	PWRDIP-16+2+2	Bipolar stepper motor driver	52	---/10	2	-40 to +150				

STMICROELECTRONICS TIMERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Sup. Volt. Max. (V)	Supply Current Max. (mA)	Low Level Output Voltage Typ/Max(V)	High Level Output Voltage Typ. (V)	Output Rise Time Typ/Max(ns)	Output Fall Time Typ/Max(ns)	Price Each			
										1	10	100	
Surface Mount													
511-TS555CD	TS555CD	SO-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/---	20/---				
511-TS555IP	TS555IP	TSSOP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/---	20/---				
511-TS555ID	TS555ID	SO-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/---	20/---				
511-SA555D	SA555D	SO-8	Single general purpose	18	6	0.1/0.25	12.5	100/300	100/300				
511-NE555D	NE555D	SO-8	Single general purpose	18	15	0.1/0.25	12.5	100/300	100/300				
511-TS556CD	TS556CD	SO-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/---	20/---				
511-TS556ID	TS556ID	SO-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/---	20/---				
511-NE556D	NE556D	SO-14	Dual general purpose	18	30	0.1/0.25	12.5	100/300	100/300				
Thru Hole													
511-TS555CN	TS555CN	DIP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/---	20/---				
511-TS555IN	TS555IN	DIP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/---	20/---				
511-SA555N	SA555N	DIP-8	Single general purpose	18	6	0.1/0.25	12.5	100/300	100/300				
511-NE555N	NE555N	DIP-8	Single general purpose	18	15	0.1/0.25	12.5	100/300	100/300				
511-TS556CN	TS556CN	DIP-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/---	20/---				
511-TS556IN	TS556IN	DIP-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/---	20/---				
511-SA556N	SA556N	DIP-14	Dual general purpose	18	12	0.1/0.25	12.5	100/300	100/300				
511-NE556N	NE556N	DIP-14	Dual general purpose	18	30	0.1/0.25	12.5	100/300	100/300				

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

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				
511-STM811RW16F	STM811RW16F	SOT-143-4	2.63	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM809SWX6F	STM809SWX6F	SOT-23-3	2.93	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM811SW16F	STM811SW16F	SOT-143-4	2.93	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM810TWX6F	STM810TWX6F	SOT-23-3	3.08	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM809TWX6F	STM809TWX6F	SOT-23-3	3.08	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM811TW16F	STM811TW16F	SOT-143-4	3.08	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM810MWX6F	STM810MWX6F	SOT-23-3	4.38	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM809MWX6F	STM809MWX6F	SOT-23-3	4.38	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM810LWX6F	STM810LWX6F	SOT-23-3	4.63	No	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM809LWX6F	STM809LWX6F	SOT-23-3	4.63	No	Yes	No	No	No	No	No	No	1.0 to 5.5	-40 to +85				
511-STM811LW16F	STM811LW16F	SOT-143-4	4.63	No	Yes	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85				

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-Volatizor 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 busses, 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
Surface Mount										
511-M41T0M6E	M41T0M6E	SO-8	64	8 x 8	I2C	-40 to +85	2.0 to 5.5			
511-M41T00SM6E	M41T00SM6E	SO-8	64	8 x 8	I2C	-40 to +85	2.0 to 5.5			
511-M41T00M6E	M41T00M6E	SO-8	64	8 x 8	I2C	-40 to +85	2.0 to 5.5			
511-M41T60Q6F	M41T60Q6F	QFN-16	64	8 x 8	I2C	-40 to +85	1.3 to 3.6			
511-M41T62Q6F	M41T62Q6F	QFN-16	128	16 x 8	I2C	-40 to +85	1.3 to 3.6			
511-M41T65Q6F	M41T65Q6F	QFN-16	128	16 x 8	I2C	-40 to +85	1.3 to 3.6			
511-M41T11M6E	M41T11M6E	SO-8	512	64 x 8	I2C	-40 to +85	2.0 to 5.5			
511-M41T11MH6E	M41T11MH6E	SOH-28	512	64 x 8	I2C	-40 to +85	2.0 to 5.5			
511-M41T56M6E	M41T56M6E	SO-8	512	64 x 8	I2C	-40 to +85	4.5 to 5.5			
511-M41T81M6E	M41T81M6E	SO-8	160	20 x 8	I2C	-40 to +85	2.0 to 5.5			
511-M41T81SM6E	M41T81SM6E	SO-8	160	20 x 8	I2C	-40 to +85	2.0 to 5.5			
511-M41T94MH6E	M41T94MH6E	SOH-28	512	64 x 8	SPI	-40 to +85	2.7 to 5.5			
511-M41T94MQ6E	M41T94MQ6E	SO-16	512	64 x 8	SPI	-40 to +85	2.7 to 5.5			
511-M41ST84WMQ6E	M41ST84WMQ6E	SO-16	512	64 x 8	I2C	-40 to +85	2.7 to 3.6			
511-M41ST85WMH6E	M41ST85WMH6E	SOH-28	512	64 x 8	I2C	-40 to +85	2.7 to 3.6			
511-M41ST85WMX6	M41ST85WMX6	SOX-28	512	64 x 8	I2C	-40 to +85	2.7 to 3.6			
511-M41ST87YMX6	M41ST87YMX6	SOX-28	1280	160 x 8	I2C	-40 to +85	4.5 to 5.5			
511-M41ST87WMX6	M41ST87WMX6	SOX-28	1280	160 x 8	I2C	-40 to +85	3.0 to 3.6			
511-M41ST95WMX6	M41ST95WMX6	SOX-28	512	64 x 8	SPI	-40 to +85	2.7 to 3.6			