

# STMICROELECTRONICS Power Management ICs



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

## DARLINGTON ARRAYS

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Output Voltage (V)	Output Leakage Current		Temperature Range (°C)	VCE (SAT)		Price Each		
					Max. (µA)	VCE (V)		Max. (V)	@ I <sub>c</sub> (A)	1	10	100
◆ 511-ULN2002A	ULN2002A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.60	.52	.41
◆ 511-ULN2002D1013TR	ULN2002D1013TR	SO-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.47	.451	.411
◆ 511-ULN2003A	ULN2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.34	.329	.31
◆ 511-ULN2004A	ULN2004A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.39	.375	.342
◆ 511-ULN2004D1013TR	ULN2004D1013TR	SO-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.53	.51	.47
◆ 511-ULN2064B	ULN2064B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	2.67	2.40	1.93
◆ 511-ULN2065B	ULN2065B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	2.60	2.35	1.87
◆ 511-ULN2068B	ULN2068B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	2.67	2.40	1.93
◆ 511-ULN2801A	ULN2801A	DIP-18	Eight NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.84	.804	.733
◆ 511-ULN2802A	ULN2802A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.46	.43	.392
◆ 511-ULN2804A	ULN2804A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.84	.804	.733
◆ 511-ULQ2003A	ULQ2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	.27	.25	.23
◆ 511-ULQ2003D1013TR	ULQ2003D1013TR	SO-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	.57	.49	.37

## VOLTAGE COMPARATORS

◆ Surface Mount Devices



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MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max. (mV)	Input Bias Current Max.	Response Time Typ. (ns)	Supply Currents Typ./Max. (mA)		Operating Temperature Range (°C)	Price Each		
							Positive	Negative		1	10	100
<b>General Purpose</b>												
◆ 511-LM211D	LM211D	SO-8	S	3	100nA	200	5.1/6.0	4.1/5.0	-40 to +105	.70	.62	.48
◆ 511-LM211N	LM211N	DIP-8	S	3	100nA	200	5.1/6.0	4.1/5.0	-40 to +105	.50	.36	.30
◆ 511-LM311D	LM311D	SO-8	S	7.5	250nA	200	5.1/7.5	4.1/5.0	-65 to +150	.50	.39	.32
◆ 511-LM311DT	LM311DT	SO-8	S	7.5	250nA	200	5.1/7.5	4.1/5.0	-65 to +150	.48	.37	.25
◆ 511-LM311N	LM311N	DIP-8	S	7.5	250nA	200	5.1/7.5	4.1/5.0	-65 to +150	.45	.35	.28
<b>High Speed</b>												
◆ 511-TS3021ICT	TS3021ICT	SC-70-5	S	6	160nA	0.038	.073/0.9	----/----	0 to +70	1.37	1.22	.97
◆ 511-TS3021ILT	TS3021ILT	SOT-23-5	S	6	160nA	0.038	.073/0.9	----/----	0 to +70	1.86	1.63	.93
◆ 511-TS3011ICT	TS3011ICT	SC70-5	S	8	0.1nA	-	0.52/0.64	0.65/0.88	3.10	3.10	2.72	1.76
◆ 511-TS3011ILT	TS3011ILT	SOT-23-5	S	8	0.1nA	-	0.52/0.64	0.65/0.88	3.10	3.10	2.72	1.76
◆ 511-LM319D	LM319D	SO-14	D	8	100nA	80	8.0/12.5	3.0/5.0	0 to +70	1.10	.96	.78
◆ 511-LM319N	LM319N	DIP-14	D	8	100nA	80	8.0/12.5	3.0/5.0	0 to +70	.79	.68	.53
<b>Low Current Nanopower</b>												
◆ 511-TS881ICT	TS881ICT	SC-70-5	S	6	100pA	100	----/----	----/----	-40 to +125	1.19	.951	.831
<b>Low Power Low Voltage</b>												
◆ 511-TS391IL	TS391IL	SOT-23-5L	S	5	250nA	1300	0.2/0.5	----/----	-40 to +125	.80	.64	.44
◆ 511-LMV331ILT	LMV331ILT	SOT-23-5	S	7	250nA	---	0.02/0.1	----/----	-40 to +85	.75	.60	.45
◆ 511-LM293ADT	LM293ADT	SO-8	D	2	250nA	1300	0.4/1.0	----/----	-40 to +105	.96	.82	.65
◆ 511-LM393ADT	LM393ADT	SO-8	D	2	250nA	1300	0.4/1.0	----/----	0 to +70	.48	.37	.25
◆ 511-LM293N	LM293N	DIP-8	D	5	250nA	1300	0.4/1.0	----/----	-40 to +105	.45	.35	.28
◆ 511-LM393D	LM393D	SO-8	D	5	250nA	1300	0.4/1.0	----/----	0 to +70	.50	.39	.32
◆ 511-LM393N	LM393N	DIP-8	D	5	250nA	1300	0.4/1.0	----/----	0 to +70	.46	.35	.24
◆ 511-LM193DT	LM193DT	SOIC-8	D	5	250nA	1300	0.45/1.0	----/----	-55 to +125	1.27	1.08	.889
◆ 511-LM2903D	LM2903D	SO-8	D	7	250nA	1300	0.4/1.0	----/----	-40 to +125	.46	.40	.31
◆ 511-LM2903N	LM2903N	DIP-8	D	7	250nA	1300	0.4/1.0	----/----	-40 to +125	.40	.29	.21
◆ 511-LMV339IDT	LMV339IDT	SO-14	D	9	400nA	200	0.2/1.0	----/----	-40 to +85	.77	.72	.67
◆ 511-LMV339IDT	LMV339IDT	SO-8	D	9	400nA	200	0.2/1.5	----/----	-40 to +85	.70	.63	.58
◆ 511-LMV339IST	LMV339IST	MiniSO-8	D	9	400nA	200	0.2/1.5	----/----	-40 to +85	.60	.56	.52
◆ 511-LM239AN	LM239AN	DIP-14	Q	2	100nA	1300	1.1/2.0	----/----	-40 to +105	.79	.68	.53
◆ 511-LM139APT	LM139APT	TSSOP-14	Q	2	100nA	1300	1.3/2.5	----/----	-55 to +125	1.06	.941	.727
◆ 511-LM339AD	LM339AD	SO-14	Q	2	100nA	1300	1.3/2.5	----/----	0 to +70	.70	.617	.477
◆ 511-LM339AN	LM339AN	DIP-14	Q	2	100nA	1300	1.3/2.5	----/----	0 to +70	.44	.35	.26
◆ 511-LM239QT	LM239QT	QFN-16	Q	5	25nA	1300	1.1/2.0	----/----	40 to +105	.27	.23	.20
◆ 511-LM339QT	LM339QT	QFN-16	Q	5	250nA	1300	1.1/2.0	----/----	0 to +70	.48	.423	.327
◆ 511-LM139DT	LM139DT	SOP-14	Q	5	250nA	1300	1.1/2.0	----/----	-55 to +125	1.12	1.00	.79
◆ 511-LM239D	LM239D	SO-14	Q	5	250nA	1300	1.3/2.5	----/----	-40 to +105	.45	.32	.26
◆ 511-LM239N	LM239N	DIP-14	Q	5	250nA	1300	1.3/2.5	----/----	-40 to +105	.38	.341	.263
◆ 511-LM239DT	LM239DT	SO-14	Q	5	250nA	1300	1.3/2.5	----/----	-40 to +105	.51	.37	.25
◆ 511-LM339D	LM339D	SO-14	Q	5	250nA	1300	1.3/2.5	----/----	0 to +70	.50	.39	.32
◆ 511-LM339N	LM339N	DIP-14	Q	5	250nA	1300	1.3/2.5	----/----	0 to +70	.40	.29	.21
◆ 511-LM339PT	LM339PT	TSSOP-14	Q	5	250nA	1300	1.3/2.5	----/----	0 to +70	.55	.43	.31
◆ 511-LM2901N	LM2901N	DIP-14	Q	7	250nA	1300	1.1/2.0	----/----	-40 to +125	.43	.34	.23
◆ 511-LM2901P	LM2901P	TSSOP-14	Q	7	250nA	1300	1.1/2.0	----/----	-40 to +125	.55	.43	.29
◆ 511-LMV339IPT	LMV339IPT	TSSOP-14	Q	9	400nA	200	0.2/1.0	----/----	-40 to +85	.87	.78	.72
<b>Micropower</b>												
◆ 511-TS331ICT	TS331ICT	SC-70-5	S	6	160nA	0.038	.073/0.09	----/----	-40 to +125	.94	.81	.64
◆ 511-TS861AIL	TS861AIL	SOT-23-5L	S	7	0.3nA	500	.006/0.12	----/----	-40 to +85	1.00	.94	.86
◆ 511-TS861IL	TS861IL	SOT-23-5L	S	7	0.3nA	500	.006/0.12	----/----	-40 to +85	.97	.91	.75
◆ 511-TS7211AIL	TS7211AIL	SOT-23-5L	S	7	0.3nA	1500	.006/0.12	----/----	-40 to +85	1.28	1.14	.91
◆ 511-TS3702ID	TS3702ID	SO-8	D	5	0.6nA	0.15	0.018/0.04	----/----	-40 to +125	.86	.75	.59
◆ 511-TS3702IN	TS3702IN	DIP-8	D	5	0.6nA	0.15	0.018/0.04	----/----	-40 to +125	1.04	.918	.594
◆ 511-TS393IP	TS393IP	TSSOP-8	D	5	0.6nA	0.15	0.02/0.04	----/----	-40 to +125	.80	.69	.54
◆ 511-TS332IDT	TS332IDT	SO-8	D	6	100nA	210	0.02/0.026	----/----	-40 to +85	.79	.70	.65
◆ 511-TS332IST	TS332IST	MiniSO-8	D	6	100nA	210	----/0.038	----/----	-40 to +85	.81	.72	.67
◆ 511-TS3704IDT	TS3704IDT	SO-14	Q	5	0.6nA	0.12	0.036/0.08	----/----	-40 to +125	1.00	.89	.70
◆ 511-TS3704IPT	TS3704IPT	TSSOP-14	Q	5	0.6nA	0.12	0.036/0.08	----/----	-40 to +125	.60	.38	.368
◆ 511-TS334IDT	TS334IDT	SO-14	Q	6	100nA	210	----/0.038	----/----	-40 to +85	.88	.78	.72
◆ 511-TS334IPT	TS334IPT	TSSOP-14	Q	6	100nA	210	----/0.038	----/----	-40 to +85	.90	.80	.74

## SIGNAL RE-DRIVER

◆ Surface Mount Devices



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (Min/Max) (V)	No. of Input Lines	No. of Output Lines	Data Rate (Gbps)	Operating Temp Range (°C)	Price Each		
								1	10	100
◆ 511-STA1102RUTR	STA1102RUTR	QFN-20	3/3.6	4	4	1.5	-40 to +85	2.07	1.77	1.44

