

STMICROELECTRONICS Power Management ICs



STMicroelectronics

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 _C (A)	1	10	100
511-ULN2002A	ULN2002A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.83	.727	.553
◆ 511-ULN2002D1013TR	ULN2002D1013TR	SO-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.95	.804	.627
511-ULN2003A	ULN2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.61	.532	.408
511-ULN2004A	ULN2004A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.76	.652	.497
◆ 511-ULN2004D1013TR	ULN2004D1013TR	SO-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.97	.84	.663
511-ULN2064B	ULN2064B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	3.04	2.72	2.19
511-ULN2065B	ULN2065B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	3.07	2.77	2.22
511-ULN2068B	ULN2068B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	3.04	2.74	2.19
511-ULN2801A	ULN2801A	DIP-18	Eight NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	1.03	.91	.72
511-ULN2802A	ULN2802A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.99	.872	.682
511-ULN2804A	ULN2804A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	1.03	.91	.72
511-ULQ2003A	ULQ2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	.80	.689	.546
◆ 511-ULQ2003D1013TR	ULQ2003D1013TR	SO-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	1.08	.96	.766

GENERAL PURPOSE 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. (nA)	Response Time Typ. (ns)	Supply Currents Typ/Max (mA)		Operating Temperature Range (°C)	Price Each		
							Positive	Negative		1	10	100
◆ 511-LM211D	LM211D	SO-8	S	3	100	200	5.1/6.0	4.1/5.0	-40 to +105	.49	.45	.40
511-LM211N	LM211N	DIP-8	S	3	100	200	5.1/6.0	4.1/5.0	-40 to +105	.61	.53	.41
◆ 511-LM311D	LM311D	SO-8	S	7.5	250	200	5.1/7.5	4.1/5.0	-65 to +150	.42	.30	.254
◆ 511-LM311DT	LM311DT	SO-8	S	7.5	250	200	5.1/7.5	4.1/5.0	-65 to +150	.48	.373	.28
◆ 511-LM311N	LM311N	DIP-8	S	7.5	250	200	5.1/7.5	4.1/5.0	-65 to +150	.52	.439	.327

HIGH SPEED 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. (nA)	Response Time Typ. (ns)	Supply Currents Typ/Max (mA)		Operating Temperature Range (°C)	Price Each		
							Positive	Negative		1	10	100
◆ 511-TS3021ICT	TS3021ICT	SC-70-5	S	6	160	0.038	.073/0.9	---/---	0 to +70	2.10	1.75	1.38
◆ 511-TS3021ILT	TS3021ILT	SOT-23-5	S	6	160	0.038	.073/0.9	---/---	0 to +70	1.90	1.63	1.33
◆ 511-LM319D	LM319D	SO-14	D	8	1000	80	8.0/12.5	3.0/5.0	0 to +70	.77	.73	.702
◆ 511-LM319N	LM319N	DIP-14	D	8	1000	80	8.0/12.5	3.0/5.0	0 to +70	.95	.826	.639

LOW POWER LOW 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. (nA)	Response Time Typ. (ns)	Supply Currents Typ/Max (mA)		Operating Temperature Range (°C)	Price Each		
							Positive	Negative		1	10	100
◆ 511-LM293ADT	LM293ADT	SO-8	D	2	250	1300	0.4/1.0	---/---	-40 to +105	1.02	.87	.693
◆ 511-LM393ADT	LM393ADT	SO-8	D	2	250	1300	0.4/1.0	---/---	0 to +70	.17	.167	.158
◆ 511-LM139APT	LM139APT	TSSOP-14	Q	2	100	1300	1.3/2.5	---/---	-55 to +125	1.89	1.45	1.32
◆ 511-LM239AD	LM239AD	SO-14	Q	2	100	1300	1.3/2.5	---/---	-40 to +105	.65	.49	.452
511-LM239AN	LM239AN	DIP-14	Q	2	100	1300	1.1/2.0	---/---	-40 to +105	.91	.79	.612
◆ 511-LM339AD	LM339AD	SO-14	Q	2	100	1300	1.3/2.5	---/---	0 to +70	.47	.39	.336
◆ 511-LM339AN	LM339AN	DIP-14	Q	2	100	1300	1.3/2.5	---/---	0 to +70	.50	.42	.315
◆ 511-TS3911L	TS3911L	SOT-23-5L	S	5	250	1300	0.2/0.5	---/---	-40 to +125	.88	.76	.60
511-LM293N	LM293N	DIP-8	D	5	250	1300	0.4/1.0	---/---	-40 to +105	.45	.378	.289
◆ 511-LM393D	LM393D	SO-8	D	5	250	1300	0.4/1.0	---/---	0 to +70	.46	.41	.358
511-LM393N	LM393N	DIP-8	D	5	250	1300	0.4/1.0	---/---	0 to +70	.47	.396	.291
◆ 511-LM239D	LM239D	SO-14	Q	5	250	1300	1.3/2.5	---/---	-40 to +105	.20	.19	.178
511-LM239N	LM239N	DIP-14	Q	5	250	1300	1.3/2.5	---/---	-40 to +105	.55	.46	.348
◆ 511-LM239DT	LM239DT	SO-14	Q	5	250	1300	1.3/2.5	---/---	-40 to +105	.55	.432	.318
◆ 511-LM339D	LM339D	SO-14	Q	5	250	1300	1.3/2.5	---/---	0 to +70	.54	.39	.37
511-LM339N	LM339N	DIP-14	Q	5	250	1300	1.3/2.5	---/---	0 to +70	.48	.402	.297
◆ 511-LM339P	LM339PT	TSSOP-14	Q	5	250	1300	1.3/2.5	---/---	0 to +70	.20	.195	.184
◆ 511-LMV3311LT	LMV3311LT	SOT-23-5	S	7	250	---	0.02/0.1	---/---	-40 to +85	.79	.672	.529
◆ 511-LM2903D	LM2903D	SO-8	D	7	250	1300	0.4/1.0	---/---	-40 to +125	.42	.40	.38
511-LM2903N	LM2903N	DIP-8	D	7	250	1300	0.4/1.0	---/---	-40 to +125	.55	.46	.348
511-LM2901N	LM2901N	DIP-14	Q	7	250	1300	1.1/2.0	---/---	-40 to +125	.53	.441	.329
◆ 511-LM2901P	LM2901PT	TSSOP-14	Q	7	250	1300	1.1/2.0	---/---	-40 to +125	.69	.54	.392

MICROPOWER VOLTAGE COMPARATORS

◆ Surface Mount Devices

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							Positive	Negative		1	10	100
◆ 511-TS393IP	TS393IPT	TSSOP-8	D	5	0.6	0.15	0.02/0.04	---/---	-40 to +125	.90	.799	.629
◆ 511-TS3702ID	TS3702ID	SO-8	D	5	0.6	0.15	0.018/0.04	---/---	-40 to +125	1.13	1.00	.795
511-TS3702IN	TS3702IN	DIP-8	D	5	0.6	0.15	0.018/0.04	---/---	-40 to +125	1.06	.93	.742
◆ 511-TS3704IDT	TS3704IDT	SO-14	Q	5	0.6	0.12	0.036/0.08	---/---	-40 to +125	1.43	1.26	.979
◆ 511-TS3704IPT	TS3704IPT	TSSOP-14	Q	5	0.6	0.12	0.036/0.08	---/---	-40 to +125	.60	.571	.54
◆ 511-TS331ICT	TS331ICT	SC-70-5	S	6	160	0.038	.073/0.09	---/---	-40 to +125	1.08	.93	.735
◆ 511-TS331ILT	TS331ILT	SOT-23-5	S	6	160	0.038	.073/0.09	---/---	-40 to +125	1.08	.93	.735
◆ 511-TS721AIL	TS721AILT	SOT-23-5L	S	7	0.3	1500	.006/0.012	---/---	-40 to +85	1.44	1.28	1.02
◆ 511-TS861AIL	TS861AILT	SOT-23-5L	S	7	0.3	500	.006/0.012	---/---	-40 to +85	1.00	.947	.896
◆ 511-TS861IL	TS861ILT	SOT-23-5L	S	7	0.3	500	.006/0.012	---/---	-40 to +85	.97	.919	.869