

Drivers and Power Supplies

ROHS Compliant This product is RoHS compliant.

ON SEMICONDUCTOR LED DRIVERS

PRODUCT **NEW**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	On Semiconductor Part No.	Package	Driver Type	Input Voltage (VDC)	Output Voltage (V)	Output Current (mA)	Number of LEDs	Configuration	Price Each		
									1	25	100
863-CAT3200ZI-GT3	CAT3200ZI-GT3	MSOP-8	Charge Pump	2.7-4.5	2.7-6.0	100	6	Parallel	1.17	1.11	1.05
863-CAT3626HV4-GT2	CAT3626HV4-GT2	TQFN-16	Charge Pump	3-5.5	-	192	6	Parallel	2.10	1.90	1.52
698-CAT37TDI-GT3	CAT37TDI-GT3	TSOT-23-5	Boost	2-5.5	20	25	-	-	1.08	.78	.74
698-CAT4008V-T1	CAT4008V-T1	SOIC-16	Linear	3-5.5	-	800	8	Series	1.63	1.25	1.12
698-CAT4008Y-T2	CAT4008Y-T2	TSSOP-16	Linear	3-5.5	-	800	8	Series	1.00	.97	.92
698-CAT4016HV6-GT2	CAT4016HV6-GT2	TQFN-24	Linear	3-5.5	-	1600	16	Series	1.16	.92	.874
863-CAT4104V-GT3	CAT4104V-GT3	SOIC-8	Linear	3-5.5	-	700	8	Series/Parallel	.98	.92	.88
863-CAT4104VP2-GT3	CAT4104VP2-GT3	TDFN-8	Linear	3-5.5	-	700	8	Series/Parallel	1.06	1.00	.954
863-CAT4106HV4-GT2	CAT4106HV4-GT2	TQFN-16	Boost	3-5.5	40	175	10	Series/Parallel	3.45	2.65	2.38
863-CAT4106YP-T2	CAT4106YP-T2	TSSOP-16	Boost	3-5.5	40	175	10	Series/Parallel	2.12	2.07	1.96
698-CAT4137TD-GT3	CAT4137TD-GT3	TSOT-23-5	Boost	2.2-5.5	24	30	5	Series	1.52	1.20	1.08
698-CAT4237TD-GT3	CAT4237TD-GT3	TSOT-23-5	Boost	2.8-5.5	30	100	8	Series	1.52	1.20	1.08
863-NCL30000DR2G	NCL30000DR2G	SOIC-8	Flyback/Buck	12	50	500	15	Series/Parallel	1.95	1.68	1.59
863-NCL30001DR2G	NCL30001DR2G	SOIC-8	Flyback	-0.3-20	-	800	72	Series	2.83	2.50	2.31
863-NCL30100SNT1G	NCL30100SNT1G	TSOP-6	Buck/Boost	18	6.35-18	1200	-	Series/Parallel	1.50	1.39	1.22
863-NCP3066PG	NCP3066PG	PDIP-8	Boost	3.0-40	-	1500	8	Independent	.94	.916	.869
863-NCP5005SNT1G	NCP5005SNT1G	SOT-23	Boost	2.7-5.5	24	50	1-5	Series	.78	.68	.60
863-NCP5007SNT1G	NCP5007SNT1G	SOT-23-5	Boost	2.7-5.5	22	50	1-5	Series	.78	.68	.60
863-NCP5623DTBR2G	NCP5623DTBR2G	TSSOP-14	-	2.7-5.5	-	90	3	-	.90	.87	.826
863-NCV3065PG	NCV3065PG	PDIP-8	Boost	3.0-40	-	1500	8	Independent	1.37	1.09	.84
863-NCV7680PWR2G	NCV7680PWR2G	SOIC-16	Boost	5	45	100	8	Independent	3.40	3.35	3.30
863-NSI45015WT1G	NSI45015WT1G	SOD-123	Linear	45	-	15	80	Series	.27	.22	.19
863-NSI45020AT1G	NSI45020AT1G	SOD-123-2	Charge Pump	2.7-5.5	1.8	501	1-9	Independent	.34	.282	.234
863-NSI45025AT1G	NSI45025AT1G	SOD-123-2	Charge Pump	2.7-5.5	1.8	502	1-10	Independent	.34	.282	.197
863-NSI45025AZT1G	NSI45025AZT1G	SOT-223	Charge Pump	2.7-5.5	1.8	503	1-11	Independent	.47	.392	.276
863-NSI45030AT1G	NSI45030AT1G	SOD-123-2	Charge Pump	2.7-5.5	1.8	504	1-12	Independent	.31	.28	.197
863-NSI45030AZT1G	NSI45030AZT1G	SOT-223	Charge Pump	2.7-5.5	1.8	505	1-13	Independent	.47	.392	.276
863-NSI45020T1G	NSI45020T1G	SOD-123	Constant Current Regulator	7.5	-	22	-	-	.27	.22	.19
863-NSI45025T1G	NSI45025T1G	SOD-123	Constant Current Regulator	7.5	-	25	-	-	.27	.22	.19
863-NSI50010YT1G	NSI50010YT1G	SOD-123	Linear	50	-	10	80	Series	.31	.28	.225

STMICROELECTRONICS LED DRIVERS

STMicroelectronics offers a large portfolio of compact and efficient LED drivers and solutions, fully addressing the lighting market and featuring all the functions needed to ensure greater power savings.

- ST's LED Drivers (Power Logic) comprise a complete set of state-of-the-art ICs designed for LED driving
- Targeted applications include home audio/video equipment (DVD players, set-top boxes), white goods, industrial display and instrumentation

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MOUSER STOCK NO.	ST Micro Part No.	Package	LED Type	Driver Type	Input Voltage (VDC)	Output Voltage (V)	Output Current (mA)	Dimming Type	Number of LEDs	Output Efficiency (%)	Configuration	Price Each		
												1	100	500
511-HVLED805TR	HVLED805TR	SO-16	Monolithic	Current	0.3-3.6	3.6	11500	PWM	---	95	Series	1.58	1.42	1.27
511-ST1CC40PUR	ST1CC40PUR	VFQFPN-8	Monolithic	Current	3.0-18	-	-	PWM	1	100	Series	2.80	1.96	1.52
511-STCF07PNR	STCF07PNR	QFN-16	White	Buck/Boost	2.7-5.5	0.3-6.0	1000	PWM	1	95	Series	4.22	3.08	2.50
511-STCS05ADR	STCS05ADR	SO-8	Universal	Current	0.3-45	1.5	500	PWM	1	95	Series	1.42	1.05	.805
511-STCS1APHR	STCS1APHR	HSOP-8L	Universal	Current	4.5-40	1.5	500	Linear	1	95	Series	2.49	1.84	1.41
511-STCS1APUR	STCS1APUR	DFN-8	Universal	Current	4.5-40	1.5	2000	Linear	1	95	Series	2.49	1.84	1.41
511-STCS1PUR	STCS1PUR	DFN-8	Universal	Current	4.5-40	0.2-5	2000	Linear	1	95	Series	2.09	1.55	1.18
511-STCS2ASPR	STCS2ASPR	PowerSO-10	Universal	Current	4.5-40	0.2-5	2000	Linear	1	95	Series	2.80	2.07	1.58
511-STLA02PUR	STLA02PUR	DFN-6	White	Boost	2.5-18	2.5-27	20	PWM	6	85	Series	1.75	1.22	.99
511-STLD41PUR	STLD41PUR	DFN-8	White	Boost	3.0-21	1.15-38	120	PWM	40	87	Series	2.01	1.62	1.14
511-STLDC08PUR	STLDC08PUR	DFN-10	Universal	Boost	0.8-3.6	5	140	PWM	4	-	Series	3.94	2.82	2.30
511-STP08DP05B1	STP08DP05B1	DIP-16	Universal	Current	3.0-5.5	0.5-20	5-100	Linear	8	95	Series/Parallel	2.00	1.39	1.08
511-STP08DP05MTR	STP08DP05MTR	SO-16	Universal	Buck/Boost	0.7-3	0.4	5-100	PWM	8	95	Series	2.00	1.39	1.08
511-STP08DP05XTTR	STP08DP05XTTR	HTSSOP-16	Universal	Buck/Boost	0.7-3	3.3	5-100	Linear	8	95	Series	2.03	1.45	1.12
511-STP16CP05MTR	STP16CP05MTR	SO-24	Monolithic	Current	3.0-5.5	0.5-20	5-100	Linear	16	95	Series	2.61	1.79	1.41
511-STP16CP05TTR	STP16CP05TTR	TSSOP-24	Universal	Buck/Boost	3.0-5.5	0.5-20	5-100	Linear	16	95	Series	2.75	1.92	1.49
511-STP16CP05XTTR	STP16CP05XTTR	HTSSOP-24	Universal	Buck/Boost	3.0-5.5	5-100	100	Linear	16	95	Series	2.94	2.05	1.59
511-STP16CPC26MTR	STP16CPC26MTR	SO-24	Monolithic	Current	-0.4-0.4	-0.5-20	5-90	Parallel	16	90	Series	1.64	1.44	.911
511-STP16CPC26PTR	STP16CPC26PTR	QSOP-24	Monolithic	Current	-0.4-0.4	-0.5-20	5-90	Parallel	16	90	Series	1.28	1.13	.714
511-STP16CPC26TTR	STP16CPC26TTR	TSSOP-24	Monolithic	Current	-0.4-0.4	-0.5-20	5-90	Parallel	16	90	Series	1.36	1.20	.759
511-STP16CPC05MTR	STP16CPC05MTR	SO-24	Monolithic	Current	3.0-5.5	0.5-20	5-100	Serial	16	95	Series	2.79	1.95	1.51
511-STP16CPC26XTR	STP16CPC26XTR	TSSOP-24	Monolithic	Current	-4.0-0.4	-0.5-20	90	Parallel	---	-	Series	1.39	1.16	.89
511-STP16CPS05MTR	STP16CPS05MTR	SO-24	Universal	Buck/Boost	3.5-5.5	0.5-20	5-100	Linear	16	95	Series	3.20	2.26	1.75
511-STP16CPS05XTTR	STP16CPS05XTTR	HTSSOP-24	Universal	Buck/Boost	3.0-5.5	0.5-20	5-100	Linear	16	95	Series	3.24	2.26	1.75
511-STP16DP05XTTR	STP16DP05XTTR	HTSSOP-48	Monolithic	Current	0.0-7.0	0.5-20	5-100	Serial	16	95	Series/Parallel	3.05	2.13	1.65
511-STP24DP05BTR	STP24DP05BTR	TQFP-48	Universal	Buck/Boost	3.0-5.5	0.5-20	5-100	Linear	24	95	Series	4.03	2.89	2.29

STMICROELECTRONICS DRIVER EVALUATION/DEMONSTRATION BOARDS

PRODUCT **NEW**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ST Micro Part No.	Description	Price Each
511-EVALHVLED805	EvalHVLED805	Demonstration board for use with HVLED805 PWM current mode LED driver	25.00
511-STEVAL-ILL019V1	STEVAL-ILL019V1	Demonstration board that creates a flyback converter using the L6562A, to supply outputs for 4 RGB LED modules	105.00
511-STEVAL-ILL020V1	STEVAL-ILL020V1	Demonstration board for the use of LED7706 to supply LED arrays used to backlight LCD panels	59.06
511-STEVAL-ILL021V1	STEVAL-ILL021V1	Demonstration board for the use of LED7707 to supply LED arrays used to backlight LCD panels	59.06
511-STEVAL-ILL027V2	STEVAL-ILL027V2	Demonstration board for the use of L6562A as a single-stage, high power factor offline LED driver	63.70
511-STEVAL-ILL039V1	STEVAL-ILL039V1	Demonstration board for the use of STLDC08 step-up controller for 2 LEDs	48.10
511-STEVAL-ILL039V2	STEVAL-ILL039V2	Demonstration board for the use of STLDC08 step-up controller for 4 LEDs	48.10