

Drivers and Power Supplies

RoHS Compliant This product is RoHS compliant.

EXAR HIGH POWER LED DRIVERS

The Exar XRP7603, XRP7604, and SP7600 pin-compatible 29V non synchronous buck high power LED driver products are PWM step down converters with integrated high side FET optimized to drive high power LEDs at up to 1A or 2A of continuous current. Each Exar high power LED driver features a wide 4.5V to 29V input voltage range that allows for single supply operations from industry standard 5V, 12V, or 24V power rails. These Exar high power LED drivers offer 1.2 MHz constant operating frequency, which allows small external components selection. An internal type II control loop compensation reduces overall component count and solution footprint.



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. 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	25	100
701-XRP7603EDB-F	XRP7603EDB-F	HSOICN-8	High Power	Step-down	4.5 - 29V	Adj	500	PWM & Analog	6	94	Series	2.41	1.82	1.55
701-XRP7604EDB-F	XRP7604EDB-F	HSOICN-8	High Power	Step-down	4.5 - 29V	Adj	1A	PWM & Analog	6	94	Series	3.47	2.62	2.23
701-SP7600EN2-L/TR	SP7600EN2-L/TR	HSOICN-8	High Power	Step-down	4.5 - 29V	Adj	2A	PWM & Analog	6	94	Series	2.47	2.17	1.88

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												1	25	100
701-XRP6840AIBL-F	XRP6840AIBL-F	TQFN-20	Flash	Charge Pump	2.7 - 5.5	5.3	1450	-	3	90+	Parallel	2.18	1.92	1.80
701-XRP6840BIBL-F	XRP6840BIBL-F	TQFN-20	Flash	Charge Pump	2.7 - 5.5	5.3	1450	-	2	90+	Parallel	2.18	1.92	1.80
701-SP7121EK-L	SP7121EK-L	SOT-23	Universal	Linear	2.7 - 5.5	-	25	PWM	2	-	Parallel	.63	.477	.405
701-XRP7620IH-F	XRP7620IH-F	DFN-8	Universal	Current Driver	2.7 - 5.5	-	31	-	4	-	Parallel	2.07	1.56	1.33
701-SP6699EK-L	SP6699EK-L	SOT-23	White	Boost	2.5 - 16	27	Adj.	PWM	5	84	Series	2.07	1.56	1.33
701-SP6887ER4-L	SP6887ER4-L	QFN16	White	Charge Pump	2.7 - 5.5	-	30	PWM	1	90	Series	3.50	2.65	2.25

FAIRCHILD LED DRIVERS



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. 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	.75
512-FAN5608DHMPX	FAN5608DHMPX	MLP-12	Universal	Boost	2.7 - 5	24	20	Analog, PWM, Digital	12	85	Series/Parallel	1.25	1.00	.75
512-FAN5646S700X	FAN5646S700X	SC70-5	Universal	Blinker	2.7 - 5	-	20	Digital	1	-	-	.96	.72	.54
512-FAN5646S701X	FAN5646S701X	SC70-5	Universal	Blinker	2.7 - 5	-	20	Digital	1	-	-	.96	.72	.54
512-FAN5646UC00X	FAN5646UC00X	WL-CSP	Universal	Blinker	2.7 - 5	-	20	Digital	1	-	-	.96	.72	.54
512-FAN5646UC01X	FAN5646UC01X	WL-CSP	Universal	Blinker	2.7 - 5	-	20	Digital	1	-	-	.96	.72	.54

FREESCALE LED BACKLIGHT DRIVERS W/ INTEGRATED POWER SUPPLY

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mfr. 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	1.98
841-MC34844EP	MC34844EP	QFN-EP 32	White	Boost	7 - 28	60	3 A	PWM	160	90	Parallel	2.89	2.10	1.98
841-MC34845EP	MC34845EP	QFN-EP 24	White	Boost	5 - 21	60	2.35 A	PWM	16	90	Parallel	2.05	1.66	1.51

INFINEON LED DRIVERS & ACTIVE BIAS CONTROLLER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Infineon 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	10	100
726-TLE42402M	TLE4240-2M	SCT595-5	Universal	Con. Current	3.0 - 45	15	58	-	-	-	-	1.41	1.26	1.00
726-TLE4242G	TLE4242G	TO263-7	Universal	Con. Current	4.5 - 42	16	500	PWM	3	-	Series	2.57	2.08	2.01
726-BCR402UE6327	BCR402UE6327	SC74-6	Universal	Current	18 Max	Linear	10 - 60	-	-	-	Series	.56	.44	.336
726-BCR405UE6327	BCR405UE6327	SC74-6	Universal	Current	40 Max	Linear	10 - 65	-	-	-	Series	.60	.44	.336
726-BCR401RE6327	BCR401RE6327	SOT143-4	Universal	Current	18 Max	Linear	10 - 60	-	-	-	Series	.54	.42	.291

NXP SEMICONDUCTOR LED DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NXP 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	25	100
771-SAA1064PN	SAA1064/N2,112	DIP24	-	2.5	3.5	-	-	-	-	-	-	1.54	1.45	1.32
771-SAA1064TD	SAA1064T/N2,112	SO24	-	2.5	3.5	-	-	-	-	-	-	1.54	1.49	1.32
771-PCA9626BS,518	PCA9626BS,518	HVQFN48	Universal	2.3 - 5.5	40	100	PWM	24	-	-	Series/Parallel	2.88	2.79	2.66
771-PCA9527DP	PCA9527DP	LQFP48	Universal	2.3 - 5.5	40	100	PWM	24	-	-	Series/Parallel	3.40	3.06	2.38
771-PCA9624PW,118	PCA9624PW,118	TSSOP24	Universal	2.3 - 5.5	40	100	PWM	8	-	-	Series/Parallel	1.60	1.43	1.11
771-PCA9622DR,118	PCA9622DR,118	TSSOP32	Universal	2.3 - 5.5	40	100	PWM	16	-	-	Series/Parallel	2.00	1.80	1.40
771-PCA9922PW,118	PCA9922PW,118	TSSOP16	Universal	2.3 - 5.5	40	Adj.	NA	8	-	-	Series/Parallel	.70	.683	.667
* 771-PCA9901DP,118	PCA9901DP,118	TSSOP8	Universal	2.7 - 5.5	2.7 - 5.5	Adj.	NA	1	-	-	Single	.58	.57	.52
** 771-SSL3250AHN/C1518	SSL3250AHN/C1,528	HVQFN16	White	2.7 - 5.5	9.5	Adj.	Current Regulated SMPS	1	85	-	Series	.92	.90	.69

* LED sequence blinker, single wire serial interface ** Single or Dual photo flash LED driver, stand alone or I2C interface

SUPERTEX HIGH VOLTAGE LED DRIVERS



For quantities of 750 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	LED Type	Driver Type	Input Voltage (V)	Output Voltage (V)	Output Current (mA)	Dimming Type	Number of LEDs	Output Efficiency (%)	Configuration	Price Each		
												1	100	500
689-HV9903K6-G	HV9903K6-G	MLP-6	White	Boost	1.8 - 12.5	< 35	5 - 40	PWM/Linear	1 - 8	> 90	Series	1.06	.88	.82
689-HV9910BLG-G	HV9910BLG-G	SOIC-8	Universal	Switching	9-250	Ext FET	Ext FET	PWM/Linear	Multiple	> 90	Series	1.35	.99	.95
689-HV9911NG-G	HV9911NG-G	SOIC-16	Universal	Switching	9 - 250	Ext FET	Ext FET	PWM/Linear	Multiple	> 90	Series	1.58	1.31	1.21
689-HV9919K7-G	HV9919K7-G	8 Lead DFN	White	Boost	4.5 - 40	<35	45-18	PWM/Linear	1-8	> 90	Series	.76	.68	.596
689-HV9921N3-G	TO-92	Universal	Buck	20 - 400	12 - 80	20	N/A	N/A	4 - 20	> 80	Series	.78	.65	.60
689-HV9921N8-G	HV9921N8-G	SOT-89	Universal	Buck	20 - 400	12 - 80	20	N/A	4 - 20	> 80	Series	.82	.68	.63
689-HV9923N3-G	HV9923N3-G	TO-92	Universal	Buck	20 - 400	12 - 80	30	N/A	4 - 20	> 80	Series	.80	.66	.61
689-HV9923N8-G	HV9923N8-G	SOT-89	Universal	Buck	20 - 400	12 - 80	30	N/A	4 - 20	> 80	Series	.84	.70	.64
689-HV9922N3-G	HV9922N3-G	TO-92	Universal	Buck	20 - 400	12 - 80	50	N/A	4 - 20	> 80	Series	.84	.70	.64
689-HV9922N8-G	HV9922N8-G	SOT-89	Universal	Buck	20 - 400	12 - 80	50	N/A	4 - 20	> 80	Series	.87	.73	.67
689-HV9925SG-G	HV9925SG-G	SOIC-8	Universal	Buck	20 - 400	12 - 80	20 - 50	PWM/Linear	4 - 20	> 80	Series	1.22	1.01	.93
689-HV9930LG-G	HV9930LG-G	SOIC-8	Universal	Boost/Buck	8 - 200	Configurable	Ext FET	PWM	Configurable	> 80	Series	1.24	1.03	.95
689-HV9931LG-G	HV9931LG-G	SOIC-8	Universal	Boost/Buck	8 - 200	Configurable	Ext FET	PWM	Configurable	> 80	Series	1.24	1.03	.95
689-HV9912NG-G	HV9912NG-G	SOIC-16	Universal	Switching	9 - 90	Ext FET	Ext FET	PWM/Linear	< 50	> 90	Series	1.66	1.50	1.33
689-HV9918K7-G	HV9918K7-G	DFN-8	Universal	Boost/Buck	4.5 - 40	Configurable	Ext FET	PWM	Configurable	> 80	Series	1.20	.98	.832
689-HV9961LG-G	HV9961LG-G	SOIC-16	Universal	Boost/Buck	8-200	Configurable	Ext FET	PWM	Configurable	> 80	Series	2.24	1.68	1.61
689-HV9985K6-G	HV9985K6-G	QFN-40	Universal	Boost/Buck/SEPIC	10 - 40	Configurable	Ext FET	PWM	Configurable	> 80	Series	3.35	3.10	2.50
689-CL2K4-G	CL2K4-G	TO-252-3	Universal	Linear	5 - 90	90	20	N/A	1 - 30	> 90	Series/Parallel	.70	.58	.54
689-CL2N3-G	CL2N3-G	TO-92	Universal	Linear	5 - 90	90	20	N/A	1 - 30	> 90	Series/Parallel	.44	.36	.34
689-CL2N8-G	CL2N8-G	SOT-89	Universal	Linear	5 - 90	90	20	N/A	1 - 30	> 90	Series/Parallel	.49	.41	.38
689-CL6K4-G	CL6K4-G	TO-252	Universal	Linear	4 - 90	90	100	N/A	1 - 30	> 90	Series/Parallel	1.52	1.26	1.17
689-CL6N5-G	CL6N5-G	TO-220	Universal	Linear	4 - 90	90	100	N/A	1 - 30	> 90	Series/Parallel	1.62	1.34	1.24