



LEDドライバ

ステータス	型番	基本仕様	Vin (min) (V)	Vin (max) (V)	Vout (max) (V)	Channels	Isw Limit (A)	Ichannel (max) (A)	LEDx ABS Voltage (V)	fsw (min) (kHz)	fsw (max) (kHz)	Topology	Power MOSFET	Dimming (Output)	Other Features	Grade	Package	Typical LCD Screen Sizes	Iq (mA)	Ishutdown (μA)	Vfb (V)	Rds(on) (mΩ)	Open LED Protection
ACTIVE	MP1488	2.5V-6Vin Boost WLED Driver	2.5	6	25	1	0.8			1300	1300	Boost	Integrated	P-Dim		Catalog	TSOT23	Small (<10")	0.69	0.1	0.104	500	
ACTIVE	MP1518	2.5V-6Vin, 0.35A Boost WLED Driver	2.5	6	25	1	0.35			1300	1300	Boost	Integrated	P-Dim		Catalog	QFN-8 (2x2), TSOT23-6	Small (<10")	0.69	0.1	0.104	500	
ACTIVE	MP2370	1.2A, 24V, 1.4MHz Buck WLED Driver	4.5	24	15	1		1.2			1400	Buck	Integrated		Non Sync.		TSOT23-6	-	0.8		0.155	350	
ACTIVE	MP23701	24V, 2A, 1.5MHz, Synchronous, Step-Down LED Driver	4.2	24		1		2	26	1240	1600	Buck	Integrated	A-Dim		Catalog		Small (<10"), Medium (10"-29")	0.9	10	0.1	HS:100, LS:80	
ACTIVE	MP2410	2A, 1MHz, up to 97% Efficiency Synchronous Buck, analog dimming only	4.2	24	22	1		2			1000	Buck	Integrated		Sync.		TSOT23-6, TSOT23-8	-	0.9		0.1	HS:100, LS:80	
ACTIVE	MP2410A	2A, 1MHz, up to 97% Efficiency Synchronous Buck, analog and PWM dimming	4.2	24	22	1		2			1000	Buck	Integrated		Sync.		TSOT23-6, TSOT23-8	-	0.9		0.1	HS:100, LS:80	
ACTIVE	MP24183	1A, 55V, Programmable Frequency LED Driver with DC and PWM Dimming Control	4.5	55		1		1			1350	Buck-Boost, Buck	Integrated		Non Sync.	Catalog	QFN-10 (3x3)	-	0.8	5	0.198	280	Yes
ACTIVE	MP2480	3A LED driver, Wide 5V to 36V Operating Input Range, Hysteretic Control, Short LED protection	4.5	36	30	1	4.3	3		200	2000	Buck	Integrated	P-Dim	Non Sync.	Catalog		-	0.16	2	0.2	150	No
ACTIVE	MP2481	Buck-Boost WLED Halogen Replacement, up to 5W, Open LED protection, Short LED protection	4.5	36	36	1	2			1400	1400	Buck-Boost	Integrated	P-Dim, A-Dim	Non Sync.	Catalog	MSOP-8E	-	0.6		0.2	300	No
ACTIVE	MP2483	2.5A, 55V, Programmable Frequency LED Driver	4.5	55	55	1		2.5				Low-Side Buck	Integrated		Non Sync.	Catalog	QFN-10 (3x3)	-	0.8	3.4	0.198	280	Yes
ACTIVE	MP24833-A	3A, 55V, White LED Driver Suitable for Step-Down with Current Mode Operation	4.5	55	55	1		3			210	Buck-Boost, Buck, Boost	Integrated		Non Sync.	Catalog		-	0.6	6	0.198	150	Yes
ACTIVE	MP2487	55V, 1A LED Driver	4.5	55		1		1			200	Buck	Integrated		Non Sync.	Catalog		-	130	12	0.2	220	Yes
ACTIVE	MP2488	200kHz, 55V, 2A LED Driver	4.5	55	52	1		2			200	Buck	Integrated		Sync.	Catalog	QFN-10 (3x3)	-	0.13	12	0.2	220	Yes
ACTIVE	MP2489	6V-60V 1A Buck LED Driver with Hysteretic Control, DC and PWM Dimming Control	6	60	57	1		1			600	Buck	Integrated		Non Sync.	Catalog	QFN-6 (3x3)	-	1	65	0.2	500	Yes
ACTIVE	MP24892	6V-45V input Buck LED Driver, Lower Cost version of MP2489	4.5	36		1					600	Low-Side Buck	Integrated		Non Sync.	Catalog	TSOT23-5	-			0.2		No
ACTIVE	MP24893	6V-36V, 1A input, Buck WLED Driver with Hysteretic Control, DC and PWM Dimming Control	6	36	34	1		1				Low-Side Buck	Integrated		Non Sync.	Catalog	QFN-6 (3x3), TSOT23-5	-	1	120	0.23	200	No
ACTIVE	MP24894	6V-60V input Buck WLED Controller with Hysteretic Control, DC and PWM Dimming Control	6	60	57	1		1			1000	Buck Controller	Integrated		Non Sync.	Catalog	TSOT6	-	0.3	80	0.2		Yes
ACTIVE	MP24895	6V-36V, 1A input, Buck WLED Driver with Hysteretic Control, DC and PWM Dimming Control	6	36	34	1		1			600	Low-Side Buck	Integrated		Non Sync.	Catalog	QFN-6 (3x3), TSOT23-5	-	1	170	0.1	200	Yes
ACTIVE	MP24895A	6V-36V, Step-Down, White LED Driver	6	36	34	1		1			600	Low-Side Buck	Integrated		Non Sync.	Catalog	MSOP-8E	-	0.7	170	0.1	200	No
ACTIVE	MP3202	2.5V-6Vin, 1.3A Boost WLED Driver	2.5	6	25	1	1.33			1300	1300	Boost	Integrated	P-Dim		Catalog	QFN-8 (2x2), TSOT23-6	Small (<10")	0.69	0.1	0.104	500	
ACTIVE	MP3301	2.5V-6Vin, 36Vout, 700mA Boost WLED Driver	2.5	6	36	1	1			1300	1300	Boost	Integrated	P-Dim, A-Dim		Catalog	TSOT23-5	Small (<10")	0.69	4	0.2	500	
ACTIVE	MP3302	2.5V-6Vin, 36Vout, 1.3A Boost WLED Driver	2.5	6	36	1	1.33			1300	1300	Boost	Integrated	P-Dim, A-Dim		Catalog	QFN-8 (2x3), TSOT23	Small (<10")	0.69	4	0.2	500	
ACTIVE	MP3306	3V-12Vin Synchronous Boost WLED With Integrated Disconnect FET	3	12	30	1	1.8			690	690	Boost	Integrated	P-Dim, A-Dim	Output/Input Disconnect, Sync Rectification	Catalog	QFN-12 (2x2)	Small (<10")	0.38	0.1	0.202	600	
ACTIVE	MP3308	3V-6Vin, 36Vout Boost WLED Driver with Dual PWM-in for CABC	3	6	36	1	1.3			2200	2200	Boost	Integrated	P-Dim	CABC	Catalog	QFN-14 (3x4)	Small (<10")	0.86	25	0.2	400	
ACTIVE	MP3309	2.7V-5.5Vin, 1.5A, Synchronous Boost WLED Driver for Tablet and Smart Phone	2.7	5.5	35	1	1.5			300	1200	Boost	Integrated	P-Dim, A-Dim	CABC, Sync Rectification	Catalog	QFN-10 (1.4x1.8)	Small (<10")	0.42	1	0.2	300	
ACTIVE	MP3309A	2.7-5.5Vin, 1.8A Synchronous Boost WLED Driver for Over 10 LCD Panel Backlight	2.7	5.5	35	1	1.8			300	1200	Boost	Integrated	P-Dim, A-Dim	CABC, Sync Rectification	Catalog	QFN-10 (3x3)	Medium (10"-29")	0.42	1	0.2	300	
ACTIVE	MP3309C	2.7V-5.5Vin, 1.5A, Synchronous Boost WLED Driver with I2C Interface for Tablet and Smart Phone	2.7	5.5	35	1	1.5			300	1200	Boost	Integrated	P-Dim, A-Dim	CABC, I2C, Sync Rectification	Catalog	QFN-10 (1.4x1.8)	Small (<10")	0.42	1	0.2	300	
ACTIVE	MP3309L	2.7V-5.5Vin, 1.5A, Synchronous Boost WLED Driver with 24V OVP	2.7	5.5	24	1	1.6			300	1200	Boost	Integrated	P-Dim, A-Dim	CABC, Sync Rectification	Catalog	QFN-10 (1.4x1.8)	Small (<10")	0.42	1	0.2	300	
ACTIVE	MP3310	4.5V-25Vin, 50Vout, 1.3A Boost WLED driver	4.5	25	50	1	1.3			300	1200	Boost	Integrated	P-Dim		Catalog	QFN-10 (3x3)	Small (<10"), Medium (10"-29")	1	1	0.5	300	
ACTIVE	MP3310N	4.5V-25Vin, 50Vout, 1.3A Boost WLED driver with OVP Hiccup Protection	4.5	25	50	1	1.3			300	1200	Boost	Integrated	P-Dim		Catalog	QFN-10 (3x3)	Small (<10"), Medium (10"-29")	1	1	0.5	300	
NEW	MP3312	MP3312 - 2.7-5.5Vin, 38Vout Dual Channel Boost WLED Driver, P2P with TPS61163	2.5	5.5	38	2	1.8	0.03	40	1200	1200	Boost	Integrated	A-Dim	1-Wire	Catalog	WLCS9-9 (1.35x1.35)	Small (<10")	1	1	0.24	200	
ACTIVE	MP3313	3-Channel, Max 38V Output, Linear/Exponential, Analog Dimming, Step-Up WLED Driver with I2C	2.7	5.5	38	3	1.5	0.025	40	500	1000	Boost	Integrated	A-Dim	Auto Switching Frequency, I2C controlled, LED Open/short protection, Linear/Exponential Dimming	Catalog	WLCS9-12 (1.3x1.7)	Small (<10")	2.4	1		300	

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ACTIVE	MP3318	3-Channel, 38VOUT, Linear/Exponential Dimming Step-Up WLED Driver with I2C	2.7	5.5	38	3	1.5	0.025	40	500	1000	Boost	Integrated	A-Dim	Auto Switching Frequency, I2C controlled, LED Short/Open, Linear/Exponential Dimming	Catalog	WLCS-12 (1.3x1.7)	Small (<10")		1			250		
ACTIVE	MP3367	6-Channel, Max.150mA/Ch Boost WLED Driver with 15000:1 Dim Ratio and I2C	3.5	36	45	6	3	0.15	50	200	2200	Boost, SEPIC	Integrated	P-Dim, A-Dim, Mix-Dim	High Dimming Ratio, Prog.LED Short Threshold, Prog.OVP Threshold, I2C Interface	Catalog	QFN-24 (4x4), TSSOP28 EP	Small (<10"), Medium (10"-17")		1	0.4		100		
ACTIVE	MP3370	Single String, 38V Vout Boost LED Driver with Current Source	3.5	36	38	1	3	0.9	50	350	450	Boost	Integrated	P-Dim, A-Dim		Catalog		Small (<10"), Medium (10"-29")	3	0.5			100		
NEW	MP3371	8-Channel, Synchronous, 50V Boost WLED Driver with I2C Interface	2.7	30	45	8	2.5	0.05	50	350	1200	Boost	Integrated	P-Dim, A-Dim, Mix-Dim	I2C, LED Short/Open, OTP, OCP, Inductor or Diode Short Protection	Catalog	QFN-24 (4x4)	Small (<10"), Medium (10"-17")	3.2	1			HS:235, LS:155		
NEW	MP3372	8-Channel, Synchronous, 50V Boost, WLED Driver with I2C Interface and Phase Shift Function	2.7	30	45	8	2.5	0.05	50	350	1200	Boost	Integrated	P-Dim, A-Dim, Mix-Dim	I2C, LED Short/Open, OTP, OCP, Inductor or Diode Short Protection Phase Shift Function	Catalog	QFN-24 (4x4)	Small (<10"), Medium (10"-17")	3.2	1			HS:235, LS:155		
NEW	MP3373	8-Channel 350mA/ch Boost WLED Controller with Phase Shift and Ext. Current Sink BJTs	9	40		8		0.35	55	100	1000	Boost	External	P-Dim, A-Dim	Cascade, Inductor Short Protection, Phase Shift PWM Dimming	Catalog	SOIC-28, TSSOP28	Large (30"-45"), Large (>45")	5	1	0.2				
ACTIVE	MP3376	8-Channel, Synchronous, Boost, WLED Driver with I2C Interface	2.7	30	36	8	2.5	0.05	40	350	2400	Boost	Integrated	P-Dim, A-Dim, Smart-Dim	I2C, Inductor or Diode Short and Vout short to GND Protection, LED Short/Open	Catalog	QFN-24 (4x4)	Small (<10"), Medium (10"-29")	5.4	1	0.4				
ACTIVE	MP3376A	8-Channel, Synchronous, Boost, WLED Driver with I2C Interface	2.7	30	37.5	8	2.5	0.05	40	350	2400	Boost	Integrated	P-Dim, A-Dim, Smart-Dim	I2C, Inductor or Diode Short and Vout short to GND Protection, LED Short/Open	Catalog	QFN-24 (4x4)	Small (<10"), Medium (10"-29")	5.4	1	0.4				
NEW	MP3378	4-Channel WLED Controller And High Efficiency Buck Converter	5	24		4		0.35	55	250	2000	Buck, Boost	External	P-Dim, A-Dim	Multiple Outputs	Catalog	SOIC-28, TSSOP28 EP	Medium (10"-29"), Large (30"-45")							
ACTIVE	MP3384L	3V-25Vin, 50Vout, 4-Channel WLED Boost Converter	3	25	50	4	1.2	0.03	50	625	1250	Boost	Integrated	P-Dim		Catalog	QFN-16 (3x3)	Small (<10"), Medium (10"-29")	1.8	2	0.6		500		
ACTIVE	MP3385A	4-ch, 80V Boost WLED Controller with I2C	4.5	33		4		0.3	80	100	900	Boost	External	P-Dim, A-Dim	Cascade, I2C, Inductor Short Protection	Catalog	QFN-20 (4x4)	Medium (10"-29"), Large (30"-45")	3	1	0.6				
NEW	MP3387A	6-String, Max 80mA/String, Step-Up, White LED Driver with Combined Analog and PWM Dimming	3	26		6	2.5	0.08	50	500	1250	Boost	Integrated	Smart-Dim		Industrial	TQFN-24 (4x4)	Medium (10"-29")	1.6						
NEW	MP3387L	6 Strings 50Vout Boost WLED Driver with Smart Dimming for Tablet & Notebook PC	3	25	50	6	2.5	0.045	50	500	1250	Boost	Integrated	Smart-Dim		Catalog	TQFN-24 (4x4)	Medium (10"-29")	1.6	2	0.6		180		
ACTIVE	MP3388S	4.5V-25Vin, 50Vout, 8-Channel Boost WLED Driver	4.5	25	50	8	2	0.03	50	625	1250	Boost	Integrated	P-Dim	Output/Input Disconnect	Catalog	QFN-24 (4x4)	Medium (10"-29")	1.8	2	0.6		180		
ACTIVE	MP3389	5V-28Vin, 12-Channel Boost WLED Controller	5	28		12		0.06	50	100	500	Boost	External	P-Dim	PWM or DC Input Burst, OVP, UVLO, Open/Short LED Protection	Catalog	SOIC-28, TSSOP28 EP	Medium (10"-29"), Large (30"-45"), Large (>45")	4	2	0.6				
ACTIVE	MP3391	9V-35Vin, 8-Channel, 120mA/ch Boost WLED Controller	9	35		8		0.12	55	150	500	Boost	External	P-Dim	Output/Input Disconnect	Catalog	SOIC-28, TSSOP28 EP	Medium (10"-29"), Large (30"-45"), Large (>45")	3.5	2	0.45				
NEW	MP3394S	5V-28Vin, 4-Channel, 200mA/ch Boost WLED Controller	5	28		4		0.2	55	150	500	Boost	External	P-Dim	Cascade	Catalog	SOIC-16, TSSOP16 EP	Medium (10"-29"), Large (30"-45"), Large (>45")	4	2	0.35				
NEW	MP3398A	5V-28Vin, 4-Channel, 350mA/ch WLED Boost Controller with Separate PDIM and ADIM Pins	5	28		4		0.35	55	100	500	Boost	External	P-Dim, A-Dim	Cascade, Inductor Short Protection	Catalog	SOIC-16, SOIC-20, TSSOP16 EP	Medium (10"-29"), Large (30"-45"), Large (>45")	1.35	0.01					
NEW	MP3398D	4-String, Max 350mA/String, Step-Up, White LED Controller with Analog and PWM Dimming	5	28		4		0.35	55	100	500	Boost	External	P-Dim, A-Dim	Cascade Capability, Inductor Short Protection	Catalog	SOIC-16, SOIC-20	Medium (10"-29"), Large (30"-45"), Large (>45")	1.35	0.01					

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NEW	MP3398E	4.5V-33Vin, 4-String, Max 400mA/String, 80V Return, Step-Up, WLED Controller	4.5	33		4		0.4	80	100	900	Boost	External	P-Dim, A-Dim	Cascade Capability, Inductor Short Protection	Catalog	TSSOP16 EP	Medium (10"-29"), Large (30"-45"), Large (>45")	3.85				
ACTIVE	MP4653	Real LIPS CC/CV LLC LED Driver Controller with Audible Noise Elimination	5	30		1				20	250	LIPS (LLC)	External	P-Dim, A-Dim	Output/Input Disconnect	Catalog	SOIC-20	Large (30"-45"), Large (>45")	1.6		0.2		
NEW	MP4655	Pure, Single-Stage, LLC, LED Current and System Voltage Controller for Large LCD TV	9	35		1				20	350	LIPS (LLC)	External	P-Dim, A-Dim	Output/Input Disconnect	Catalog	SOIC-28	Large (>45")	1.6	106	0.2		
ACTIVE	MP4688	80V, 1A Buck WLED Driver with Hysteretic Control	4.5	80	72	1		1			2000	Buck	Integrated		Non Sync.	Catalog		-	0.17	2	0.2	360	Yes
ACTIVE	MP4688S	80V, 0.5A High Side Buck Driver with Hysteresis Current Control	4.5	80		1		0.5			2000	Buck	Integrated		Non Sync.	Catalog		-	0.17	2	0.2	360	Yes
NEW	MP4689A	100V Input, 1A, High-Power LED Driver	4.5	100	72	1		1			1000	Buck	Integrated		Non Sync.	Catalog	SOIC-8 EP	-	0.17	2	0.2	500	Yes
ACTIVE	MP4700	Low-side BCM Mode WLED Buck Controller	8	18		1				80	500	Buck	External	P-Dim		Catalog	SOIC-8	Medium (10"-29"), Large (30"-45"), Large (>45")	0.6		0.3		
ACTIVE	MPQ2483	55V, 2.5A Programmable Frequency LED Driver available in AEC-Q100 with DC and PWM Dimming Control	4.5	55	55	1		2.5			1350	Buck-Boost, Low-Side Buck	Integrated		Non Sync.	Industrial	QFN-10 (3x3)	-	0.8	3.4	0.198	280	Yes
ACTIVE	MPQ2483A-AEC1	55V, 2.5A Programmable Frequency LED Driver with AEC-Q100 Qualified	4.5	55	55	1		2.5			1350	Buck-Boost, Low-Side Buck	Integrated		Non Sync.	Automotive	QFN-10 (3x3), SOIC-14	-	0.8	3.4	0.198	280	Yes
ACTIVE	MPQ2489	Industrial Grade, 6V-60V 1A Buck LED Driver with Hysteretic Control, DC and PWM Dimming Control	6	60	57	1		1			600		Integrated		Non Sync.	Industrial	QFN-6 (3x3)	-	1	65	0.2	500	Yes
ACTIVE	MPQ2489-AEC1	6V-60V 1A Buck LED Driver with Hysteretic Control, DC and PWM Dimming Control with AEC-Q100 Qualification	6	60	57	1		1			600	Low-Side Buck	Integrated		Non Sync.	Automotive	QFN-6 (3x3)	-	1	65	0.2	500	Yes
ACTIVE	MPQ3326-AEC1	PRE-RELEASE 16 Channels, 50mA/ch, LED Driver with Separated PWM Analog Dimming and I2C Interface	4	16		16		0.05	18				Integrated	P-Dim, A-Dim	LED Open/short protection	Automotive	QFN-24 (4x4)	Small (<10"), Medium (10"-17")	4	2			
ACTIVE	MPQ3367-AEC1	6 Channels, Max.150mA/Ch Boost WLED Driver With 15000:1 Dim Ratio and I2C	3.5	36	45	6	3	0.15	50	200	2200	Boost, SEPIC	Integrated	P-Dim, A-Dim, Mix-Dim	High Dimming Ratio, I2C, Prog.LED Short Threshold, Prog.OVP Threshold	Catalog	QFN-24 (4x4), TSSOP28 EP	Small (<10"), Medium (10"-17")	5	1	0.4	100	
ACTIVE	MPQ3369	6-Channel, Maximum 100mA/Ch Boost WLED Driver with 15000:1 Dim Ratio and I2C	3.5	36	45	6	3	0.1	50	200	2200	Boost/SEPIC	Integrated	P-Dim, A-Dim, Mix-Dim	High Dimming Ratio, Prog.LED Short Threshold, Prog.OVP Threshold, I2C Interface	Catalog	QFN-24 (4x4)	Small (<10"), Medium (10"-17")	1		0.4	100	
ACTIVE	MPQ3369-AEC1	6-Channel, Max 100mA/Ch Boost WLED Driver with 15000:1 Dim Ratio and I2C	3.5	36	45	6	3	0.1	50	200	2200	Boost, SEPIC	Integrated	P-Dim, A-Dim, Mix-Dim	High Dimming Ratio, Prog.LED Short Threshold, Prog.OVP Threshold, I2C Interface	Catalog	QFN-24 (4x4), TSSOP28 EP	Small (<10"), Medium (10"-17")	5	1	0.4	100	
ACTIVE	MPQ3386	Industrial Grade, 50V, 6 String White LED Driver	4.5	25	50	6	2	0.03	50	625	1250	Boost	Integrated	P-Dim	Output/Input Disconnect	Industrial	QFN-24 (4x4)	Medium (10"-29")	1.8	2	0.6	180	
NEW	MPQ3387L	Step-up, 6 strings, Max. 45mA/string, Combined Analog and PWM dimming, White LED Driver	3	25	50	6	2.5	0.045	50	500	1250	Boost	Integrated	Smart-Dim		Industrial	TQFN-24 (4x4)	Medium (10"-29")	1.6	2	0.6	180	

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