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Selection Guide



Product Portfolio

Switching Regulator

<i>HV Buck DC/DC Converter</i>	1
<i>LV Buck DC/DC Converter</i>	2
<i>Buck DC/DC Controller</i>	2
<i>Boost DC/DC Converter</i>	2
<i>Boost DC/DC Controller</i>	3

Display Power

<i>P-Gamma</i>	3
<i>LCD Bias Power</i>	3
<i>Level Shifter</i>	4

Power Switch

<i>USB Power Switch</i>	4
<i>Load Switch</i>	4

Motor Driver

<i>Motor Driver</i>	4
---------------------------	---

Linear Regulator

<i>Low Dropout Regulator</i>	4
<i>DDR Bus Terminator</i>	5

Battery Power

<i>Li-ion Charger</i>	5
<i>USB Dedicated Charging Port Controller</i>	5

Supervisory

<i>Reset IC</i>	5
-----------------------	---





LED Driver

<i>White LED Driver</i>	6
<i>Flashlight LED Driver</i>	6

*Drive your heart,
Power your life*










Selection Guide

HV Buck DC/DC Converter

Part No.	Key Features	Type	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OCP	Package
FR9701	2A Buck Converter	HV Async.	4.5~23	0.805~15	2000	92	600	1800	10	V	V	SOT-23-6
FR9702	1.8A Buck Converter	HV Async.	4.5~23	0.805~15	1800	90	1400	1800	10	V	V	SOT-23-6
FR9801	Sync. 2A Buck Internal Comp. Converter	HV Sync.	4.5~21	0.8~17.85	2000	94	600	2500	1	V	V	SOT-23-6
FR9802	Sync. 1.5A Buck Internal Comp. Converter	HV Sync.	4.5~21	0.8~16.8	1500	94	1200	2500	1	V	V	SOT-23-6
FR9801E	Sync. 2A Buck Internal Comp. Converter	HV Sync.	4.5~18	0.8~Vin (Max.) x0.85	2000	94	600	2500	1	V	V	SOT-23-6
FR9886	Sync. 2.5A Buck Internal Comp. Converter	HV Sync.	4.5~23	0.925~20	2500	96	340	2500	1	V	V	SOP-8 SOP-8 (EP)
FR9886A	Sync. 2A Buck Internal Comp. Converter	HV Sync.	4.5~21	0.925~14.5	2000	91	1200	3500	1	V	V	SOP-8 (EP)
FR9886C	Sync. 2A Buck External Comp. Converter	HV Sync.	4.5~21	0.925~17.85	2000	90	340	2000	1	V	V	SOP-8 SOP-8 (EP)
FR9886D	Sync. 2A/2.5A Buck Internal Comp. Converter	HV Sync.	4.5~23	0.925~Vin (Max.) x0.85	2000/ 2500	95	340	2000	1	V	V	SOP-8 SOP-8 (EP)
FR9886E	Sync. 2A Buck Internal Comp. Converter	HV Sync.	4.5~18	0.925~Vin (Max.) x0.85	2000	96	340	2000	1	V	V	SOP-8
FR8207	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~23	0.765~18.4	2000	95	650	2000	1	V	V	SOP-8 (EP)
FR8209	Sync. 3A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~23	0.765~18.4	3000	95	650	2000	1	V	V	SOP-8 (EP)
FR9887	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~23	0.925~Vin (Max.) x0.85	2000	95	340	2000	1	V	V	SOP-8 SOP-8 (EP)
FR9889	Sync. 3A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~23	0.925~Vin (Max.) x0.85	3000	95	340	2000	1	V	V	SOP-8 (EP)
FR9889C	Sync. 3A Buck Converter with High Efficiency at Light Load External Comp.	HV Sync.	4.5~23	0.925~Vin (Max.) x0.85	3000	95	340	2000	1	V	V	SOP-8 (EP)
FR9888	Sync. 3.5A Buck Internal Comp. Converter	HV Sync.	4.5~23	0.925~20	3500	96	340	2500	1	V	V	SOP-8 (EP)
FR9888A	Sync. 3A Buck Converter	HV Sync.	6~21	0.925~14.5	3000	91	1200	3500	1	V	V	SOP-8 (EP)
FR9888C	Sync. 3.5A Buck External Comp. Converter	HV Sync.	4.5~23	0.925~20	3500	96	340	2500	1	V	V	SOP-8 (EP)
FR9888E	Sync. 3A Buck Internal Comp. Converter	HV Sync.	4.5~18	0.925~Vin (Max.) x0.85	3000	96	340	2500	1	V	V	SOP-8 (EP)
FR9808	Sync. 4A Buck Internal Comp. Converter	HV Sync.	4.75~21	0.8~Vin (Max.) x0.85	4000	90	500/ ADJ	1100	1	V	V	SOP-8 (EP)
FR9809	Sync. 5A Buck Internal Comp. Converter	HV Sync.	4.75~21	0.8~Vin (Max.) x0.85	5000	90	500/ ADJ	1100	1	V	V	SOP-8 (EP)
FR9618	Sync. 3A Buck Internal Comp. Converter	HV Sync.	4.5~23	0.925~20	3000	96	340	2500	1	V	V	SOP-8 (EP)
FR9618A	Sync. 3A Buck Internal Comp. Converter	HV Sync.	4.5~23	0.925~20	3000	96	240	2500	1	V	V	SOP-8 (EP)
FR9618C	Sync. 3A Buck External Comp. Converter	HV Sync.	4.5~23	0.925~20	3000	96	340	2500	1	V	V	SOP-8 (EP)
FR8018	Sync. 4A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~23	0.765~Vin (Max.) x0.85	4000	95	500	2000	1	V	V	SOP-8 (EP)
FR9899	Dual 2+2A High Efficiency Sync. Buck Converter Internal Comp.	HV Sync.	4.5~16	0.925~10	2000+ 2000	95	340	4000	1	V	V	SOP-8 (EP)
 FR9881	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.6~Vin (Max.) x0.85	2000	90	500	1000	1	V	V	SOT-23-6
 FR9881A	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.6~Vin (Max.) x0.85	2000	90	1000	1000	1	V	V	SOT-23-6
 FR9883	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.8~Vin (Max.) x0.85	2000	90	500	1000	1	V	V	SOT-23-6
FR9885	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.6~Vin (Max.) x0.85	2000	90	500	1000	1	V	V	SOT-23-6
 FR9833Q	Sync. 3A Buck Internal Comp. Converter	HV Sync.	6~30	0.925~16	3000	90	135	2500	1	V	V	SOP-8 (EP)

Selection Guide

HV Buck DC/DC Converter

Part No.	Key Features	Type	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OCP	Package
 FR9854	Sync. 4A Buck Internal Comp. Converter with fast constant on time control technique (FCOT)	HV Sync.	4.5~18	0.765~8V	4000	90	630	1000	1	V	V	SOP-8 (EP) TQFN-16 (3x3)
 FR9855	Sync. 5.5A Buck Internal Comp. Converter with fast constant on time control technique (FCOT)	HV Sync.	4.5~18	0.765~8V	5500	90	630	1000	1	V	V	SOP-8 (EP) TDFN-10 (3x3)
 FR8203	Sync. 2.5A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.6~Vin (Max.) x0.85	2500	94	500	1000	1	V	V	SOT-23-6 (FC)
 FR8204	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.8~Vin (Max.) x0.85	2000	95	500	1000	1	V	V	SOT-23-6 (FC)
 FR8204A	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.8~Vin (Max.) x0.85	2000	95	1000	1000	1	V	V	SOT-23-6 (FC)
 FR8205	Sync. 3A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.6~Vin (Max.) x0.85	3000	94	500	1000	1	V	V	SOT-23-6 (FC)
 FR8205A	Sync. 3A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.6~Vin (Max.) x0.85	3000	94	1000	1000	1	V	V	SOT-23-6 (FC)
 FR8206	Sync. 3A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.8~Vin (Max.) x0.85	3000	95	500	1000	1	V	V	SOT-23-6 (FC)
 FR8206A	Sync. 3A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.8~Vin (Max.) x0.85	3000	91	1000	1000	1	V	V	SOT-23-6 (FC)

LV Buck DC/DC Converter

Part No.	Key Features	Type	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OCP	Package
FP6357	1.2A High Efficiency Sync. Buck Converter, Pure PWM	Low V Sync.	2.5~6.0	0.6~Vin	1200	95	1500	80	0.1	V	V	SOT-23-5
FP6360	1A High Efficiency Sync. Buck Converter, Pure PWM	Low V Sync.	2.5~5.5	0.6~Vin	1000	95	1500	50	0.1	V	V	TDFN-6 (2x2) TQFN-16 (3x3)
FP6361	2A High Efficiency Sync. Buck Converter, Pure PWM	Low V Sync.	2.6~5.5	0.6~Vin	2000	95	1000	3400	0.1	V	V	TQFN-16 (3x3)
FP6372	3.5A High Efficiency Sync. Buck Converter	Low V Sync.	2.7~5.5	0.6~Vin	3500	96	1000	80	0.1	V	V	TDFN-10 (3x3)
FP6373	2.5A High Efficiency Sync. Buck Converter	Low V Sync.	2.7~5.5	0.6~Vin	2500	96	1000	80	0.1	V	V	SOT-23-6
FP6373A	3A High Efficiency Sync. Buck Converter	Low V Sync.	2.7~5.5	0.6~Vin	3000	96	1000	80	0.1	V	V	SOT-23-6
FP6375	2.5A High Efficiency Sync. Buck Converter	Low V Sync.	2.7~5.5	0.6~Vin	2500	96	1000	80	0.1	V	V	SOT-23-5
FP6378A	2A High Efficiency Sync. Buck Converter	Low V Sync.	2.5~6.0	0.6~Vin	2000	95	1000	80	0.1	V	V	SOT-23-5 SOT-23-6
FP6381	1.5A High Efficiency Sync. Buck Converter	Low V Sync.	2.5~6.0	0.6~Vin	1500	95	1500	80	0.1	V	V	TDFN-6 (2x2)
FP6381A	1.2A High Efficiency Sync. Buck Converter	Low V Sync.	2.5~6.0	0.6~Vin	1200	95	1500	80	0.1	V	V	SOT-23-5
FP6382	Dual 1A High Efficiency Sync. Buck Converter	Low V Sync.	2.7~5.5	0.6~Vin	1000+	95	1500+	80	0.1	V	V	TDFN-12 (3x3)
FP6385	3A High Efficiency Sync. Buck Converter	Low V Sync.	2.5~6.0	0.6~Vin	3000	95	1000	80	0.1	V	V	SOT-23-6 (FC)

Buck DC/DC Controller



Part No.	Key Features	Type	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (mA)	PWM Mode	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OCP	Package
FP6329	Buck Controller, Ext. Compensation, High Driving Current, Bootstrap Circuit's Diode Integrated	Synchronous	3.3~12	0.6~Vin	-	Fix Frequency	300	5000	-	V	V	SOP-8 SOP-8 (EP)

Boost DC/DC Converter

Part No.	Key Features	V _{IN} (V)	V _{OUT} (V)	I Limit (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OTP	Package
FP6711	Low Start-up Sync. Boost Converter, Automatically PWM or PFM Mode	0.85~Vout	1.8~4	1000	94	500	25	1	V	V	MSOP-10

Selection Guide

Boost DC/DC Converter

Part No.	Key Features	V _{IN} (V)	V _{OUT} (V)	I Limit (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OTP	Package
FP6713	Low Start-up Sync. Boost Converter, Automatically PWM or PFM Mode	0.85~Vout	1.8~3.8	500	94	1000	25	1	V	V	SOT-23-6
FP6713A	Low Start-up Sync. Boost Converter, Automatically PWM or PFM Mode	0.85~Vout	1.8~3.8	750	94	1000	25	1	V	V	SOT-23-6
FP6714	Low Start-up Sync. Boost Converter, Automatically PWM or PFM Mode	0.85~Vout	1.8~3.8	750	94	1000	25	1	V	V	SOT-23-6
FP6715	Low Start-up Sync. Boost Converter, Automatically PWM or PFM Mode	1.9~Vout	1.9~5.25	2500	93	550	25	1	V	V	SOT-23-6
FP6716	High Efficiency, Sync. Boost Converter, Automatically PWM or PFM Mode	2.5~Vout	2.5~5.25	ADJ (6A)	90	550	30	1	V	V	SOP-8 (EP)
FP6717	High Efficiency, Sync. Boost Converter, Automatically PWM or PFM Mode	2.5~Vout	2.5~5.25	ADJ (8A)	90	550	30	1	V	V	SOP-8 (EP)
 FP6719	High Efficiency, Sync. Boost Converter, Automatically PWM or PFM Mode w/ QC2.0/ Apple/ Samsung/ BC1.2 Fast Charging Detection	2.5~5.5	5/9/12	10A	90	400	50	1	V	V	SOP-8 (EP)
 FP6720	High Efficiency, Sync. Boost Converter, Automatically PWM Mode	2.5~4.5	5~12	10A	90	400	50	1	V	V	SOP-8 (EP)
FP6730	Large Input Voltage Range, Current Mode Step-up Converter	3~24	Vin~24	2500	93	1000	120	1	V	-	SOT-23-5 SOT-23-6
FP6733	Low Vin Stratup PWM Controlled, Step-up DC/DC Converter	0.9~5.5	2.9~5.5	1000	90	550	17	0.1	V	V	SOT-23-6 TSOT-23-6
FP6736	Current Mode Step-up Converter	2.5~5.5	Vin~30	600	90	1400	75	0.1	V	-	SOT-23-5 SOT-23-6 TSOT-23-5
FP6790	1.6A, 0.25Ohm Switch MOSFET, Soft-start, Low Noise	2.6~5.5	Vin~12	1600	90	640/1200	160	0.1	V	V	MSOP-8
FP6795	Low Noise Step-up Converter, 2A, 0.160hm Switch MOSFET	2.6~5.5	Vin~16	2000	90	640/1200	160	0.1	V	V	MSOP-8 (EP)




Boost DC/DC Controller

Part No.	Key Features	V _{IN} (V)	V _{OUT} (V)	I Limit (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OTP	Package
FP6791C	Ext. Switch, UVLO	2.6-6	Upon MOSFET Power	-	90	ADJ	700	-	-	-	TSSOP-8

P-Gamma

Part No.	Key Features	Channel No.	Resolution	Interface	Package
 FP7701	Programmable Gamma with I ² C Interface and Level Shifter	10	10	I ² C	TQFN-56 (8x8)
 FP7702	Programmable Gamma with I ² C Interface	10	10	I ² C	TQFN-40 (6x6)

LCD Bias Power

Part No.	Key Features	V _{IN} (V)	V _{OUT} (V)	I Limit (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OVP	Package
FP6783	Bias Power for TFT LCD of Tablet/ NB/Monitor	2.5~5.5	Vin~18	4500	92	1200	5600	560	-	V	TQFN-20 (5x5)
FP6787	Bias Power for TFT LCD of NB/Monitor with Vcom, Reset and LDO (3.3V)	2.7~5.5	Vin~14	3000	92	640	1000	-	-	V	TSSOP-20 (EP) TQFN-20 (4x4)
FP6787A	Bias Power for TFT LCD of NB/Monitor with Vcom, Reset and LDO (2.5V)	2.7~5.5	Vin~14	3000	92	640	1000	-	-	V	TSSOP-20 (EP) TQFN-20 (4x4)
 FP7708	Display PMIC for TFT LCD TV Panels	8~18	Vin~18	4500	90	600	-	-	V	V	TQFN-40 (5x5)
FP7710/A	Bias Power for GOP TFT LCD Application of NB/Monitor with Reset and Level Shifter	3~6	Vin~18	4600	90	640/1200	1440	750	V	V	TQFN-46 (6.5x4.5)
FP7713	Digital Bias Power for TFT LCD Application of NB with D-Vcom, Buck, AVDD, VGH, VGL and XAO, Schottky Diode Integration	2.5~5.5	Vin~13.3	3000	90	600K~1.2MHz	-	-	-	-	TQFN-28 (4x4)
 FP7720	Dual Channel Output LCD Bias Power	2.5~5.5	5.0V,5.1V,5.5V	1500	88	1000	1000	-	-	V	CSP-15 (1.4x2.3)
 FP7721	Integrated Switch Dual 50mA Channel Charge Pump	2.5~4.8	2xVin	-	92	230KHz	-	2	-	V	TDFN-12 (2.4x1.5)

Selection Guide

LCD Bias Power

Part No.	Key Features	V _{IN} (V)	V _{OUT} (V)	I Limit (mA)	Eff.% Max.	Freq. (KHz)	I _q (μA)	I _s (μA)	Shut Down	OVP	Package
New FP7723	Integrated Switch Dual 50mA Channel Charge Pump	2.5~4.8	2xVin	-	85	300KHz	-	5	-	V	TDFN-12 (3.0x1.5)
FP9928A	Power Supplier Solution with I ² C Interface for EPD Panels, with VGH, VGL, VPOS, VNEG, VREF and VCOM Buffer	2.5~5.5	Vin-20	800	90	PFM	-	0.1	-	-	TQFN-24 (4x4)

Level Shifter

Part No.	Key Features	V _{GH} (V) Min.	V _{GH} (V) Max.	V _{GL} (V) Min.	V _{GL} (V) Max.	Channel No.	Shut Down	Package
FP7732	10-Channel Level-Shifter with Charge-Sharing Function for GOP TFT LCD Panel	16	45	-20	-3	10	V	TQFN-32 (4x4) TQFN-28 (4x4)
FP77350	8-Channel Level-Shifter with Charge-Sharing Function for GOP TFT LCD Panel	16	38	-12	-3	8	V	TQFN-20 (4x4)

USB Power Switch

Part No.	Output Current (A)	Channel No.	V _{IN} (V)	Current Limit Type (A)	RDS(ON) (mΩ)	Package
FP6861C	0.55, 0.7, 1.1, 1.5 1.9, 2.1, 2.5, 3 (min)	1	2.7~5.5	0.775, 1, 1.25, 1.4, 1.75 2.15, 2.45, 2.9, 3.5	70/100	SOT-23-5 SOP-8 MSOP-8
FP6861D	1.5 (min)	2	2.7~5.5	1.75	100	SOP-8
FP6861E-A/B	Adjustable	1	2.7~5.5	0.12~0.17	100	SOT-23-6 TDFN-6 (2x2)
New FP6861E-C/E/F/H	0.7, 1.1, 1.5, 2.1 (min)	1	2.7~5.5	1, 1.4, 1.75, 2.45	110	SOT-23-5
New FP6861F	VIN=5V, Current Limit: 0.8A~3.04A VIN=9V, Current Limit: 0.54A~2.04A VIN=12V, Current Limit: 0.4A~1.52A	1	5~12	VIN=5V, Current Limit: 0.8A~3.04A VIN=9V, Current Limit: 0.54A~2.04A VIN=12V, Current Limit: 0.4A~1.52A	70	SOP-8 (EP) TDFN-6 (2x2)

Load Switch

Part No.	Output Current (A)	Channel No.	V _{IN} (V)	Current Limit Type (A)	RDS(ON) (mΩ)	Package
FP6863	1.5 (min)	1	2.0~5.5	2.5	80	TDFN-8 (2x2) SOT-23-5
FP6866	0.2 (min)	1	2.3~5.5	0.25	200	SOT-23-5

Motor Driver

Part No.	Key Features	VIN (V) Range	Output Current (mA)	Control Volt. Range (V) / Interface	Compatible Interface	Thermal Shut Down	Package
FP5501	Low-saturation, Low-voltage 2 Channels Bi-directional	1.8~5.5	0~400/ Channel	1.8~5.5	-	V	TDFN-10 (3x3)
FP5502	Low-saturation, Low-voltage Bi-directional	1.8~5.5	0~400	1.8~5.5	-	V	SOT-23-6
New FP5510/A	10-bit Resolution DAC, Power On Reset Power Down Current < 80nA Power Down Control Circuit Integrated Current Sense Resistor Selectable Output Slope Control	2.3~5.5	0~120 Current Sink	1.8~3.3 2-Wire Serial	I ² C	-	6-ball WLCSP

Low Dropout Regulator

Part No.	Key Features	I _{OUT} (mA)	V _{IN} (V)	V _{drop} (mV)	V _{OUT} (V)	Accuracy	I _q (μA)	I _s (μA)	Shut Down	OTP	OCP	Package
FP6121	Dual Output, High PSRR 70dB	300 + 300	2.0~5.5	400	A (3.3, 2.8) C (2.8, 1.8) D (2.5, 1.8) E (3.0, 1.8) F (1.8, 2.8) G (2.8, 2.8) H (1.5, 2.8) I (1.8, 3.3) J (1.3, 2.8) K (1.2, 2.8) L (1.8, 2.6) M (1.8, 3.0) N (2.8, 3.3) O (1.8, 1.8) P (2.85, 2.85) Q (1.5, 3.0) S (1.2, 3.3) T (3.0, 2.85) V (3.3, 3.3)	±2%	25	1	V	V	V	SOT-23-6 TSOT-23-6 TDFN-6 (1.6x1.6)
FP6128	Dual Output, Discharge Function, High PSRR 70dB	300 + 300	2.0~5.5	400	F (1.8V, 2.8V)	±2%	25	1	V	V	V	TDFN-6 (1.6x1.6)
FP6130	Low ESR Cap. Industrial Standard XX1117 Pin Compatible	600	2.8~5.5	600	1.8, 2.5, 2.7, 3.3	±2%	30	-	-	V	V	SOT-223

Selection Guide

Low Dropout Regulator

Part No.	Key Features	I _{OUT} (mA)	V _{IN} (V)	V _{drop} (mV)	V _{OUT} (V)	Accuracy	I _q (μA)	I _s (μA)	Shut Down	OTP	OCP	Package
FP6131	Low ESR Cap	600	2.8~5.5	600	1.5, 1.8, 2.5, 2.7, 2.8, 3.0, 3.3, 3.6	±2%	30	-	-	V	V	SOT-23-3 SOT-89
FP6132	Low ESR Cap	600	2.8~5.5	600	1.5, 1.8, 2.5, 2.6, 2.7, 2.8, 3.0, 3.3, 3.6, 3.8	±2%	30	-	-	V	V	SOT-89
FP6134	Low ESR Cap	600	2.8~5.5	600	1.5, 1.8, 2.5, 2.8, 3.0, 3.1, 3.3	±2%	30	0.1	V	V	V	SOT-23-5
FP6136	1A CMOS	1000	2.8~5.5	1100	1.5, 1.8, 2.5, 3.0, 3.3	±2%	35	-	-	V	V	SOT-223 TDFN-8 (3x3)
FP6141	Ultra-Low Quiescent Current	100	2~5.5	250	1.2, 1.5, 1.8, 2.5, 3.0, 3.3	±2%	4	0.1	V	V	V	SOT-23-3 SOT-23-5 TDFN-6 (1.6x1.6)
FP6142	Discharge + Soft-start	500	2.2~5.5	250	1.5, 1.8, 2.5, 2.8, 3.0, 3.1, 3.3	±2%	50	0.7	V	V	V	SC-70-5
FP6145	3A Ultra-Low Dropout with Low ESR Cap.	3000	2.7~5.5	250	ADJ	±2%	1000	5	V	V	V	SOP-8 (EP)
FP6145B	2A Ultra-Low Dropout with Low ESR Cap.	2000	1.2~5.5	240	ADJ	±2%	1000	10	V	V	V	SOP-8 (EP)
FP6146	Low Noise, High PSRR 70dB	300	2.0~5.5	400	1.1, 1.2, 1.5, 1.8, 2.5, 2.6, 2.7, 2.8, 3.0, 3.1, 3.3, 3.6	±2%	35	0.1	V	V	V	SOT-23-3 SOT-23-5 TSOT-23-5 SC-82-4 TDFN-6 (1.6x1.6)
FP6149B	3A Ultra-Low Dropout with Low ESR Cap.	3000	1.2~3.6 5	210	ADJ	±2%	1000	5	V	V	V	SOP-8 (EP)
FP6160	150mA, High Voltage LDO	150	5~18	500	ADJ	±1%	55	1	V	V	V	SOT-23-5
FP6161	Very Low Input Voltage	200	1.65~2.5	500	0.9, 1.0, 1.1, 1.2, 1.5	±2.5%	40	0.1	V	V	V	TSOT-23-5
FP6163	Very Low Input Voltage	400	1.3~5	500	1.0, 1.2	±1.5%	48	0.1	V	V	V	SOT-23-5
FP6166	600mA, Low Noise, High PSRR 70dB	600	2.0~5.5	800	ADJ	±2%	35	0.1	V	V	V	SOT-23-5 SOP-8




DDR Bus Terminator

Part No.	Output Current (Max.)	V _{IN} (V)	Control Volt.	Output Offset Volt.	Load Regulation	Package
FP6137B	±2A	1.8/2.5	3.3~5.5	±20mV	20mV	TO-252-5 TO-263-5 SOP-8 (Fused) SOP-8 (EP)
FP6137E	±2A	1.5/1.8/2.5	3.3~5.5	±20mV	20mV	SOP-8 (EP)
FP6137F	±3A	1.35/1.5/1.8/2.5	3.3~5.5	±20mV	20mV	SOP-8 (EP) TDFN-6 (2x2)

Li-ion Charger

Part No.	V _{IN} (V)	I _{OUT} Max. (A)	V _{OUT} TYP. (V)	Vol. Accy. (%)	VSEN	Temp. Sense	Safety Timer	Package
FP6900B	4.3~6.5	1	4.2	1	V	-	V	TDFN-10 (3x3)
FP6900D	4.3~6.5	1	4.2	1	-	V	V	TDFN-10 (3x3)

USB Dedicated Charging Port Controller



Part No.	Key Features	V _{IN} (V) Range	BC1.2	Apple	Samsung	QC2.0	Package
 FP6600	USB Dedicated Charging Port Controller with QC 2.0 Fast Charging Function	4.0~6.0	V	V	V	V (5/9/12/20V)	SOP-8
 FP6601	USB Dedicated Charging Port Controller with QC 2.0 Fast Charging Function	4.0~6.0	V	V	V	V (5/9/12V)	SOT-23-6
 FR98336	High Efficiency Synchronous BUCK Converter with QC 2.0 Fast Charging Function	6.0~28.0	V	V	V	V (5/9V)	SOP-8 (EP)

Reset IC


Part No.	Key Features	Threshold Voltage (V)	V _{IN} (V)	Delay Time (mS)	Output	Output Type	Package
FP6801	Adjustable Delay Time	2.1, 2.2, 2.4, 2.5 2.6, 2.7, 2.9, 3.1	1.0~5.5	ADJ	Active Low	Open-Drain Push-Pull	SOT-23-5 SC-82

Selection Guide

Reset IC

Part No.	Key Features	Threshold Voltage (V)	V _{IN} (V)	Delay Time (mS)	Output	Output Type	Package
FP6802	Ultra-Low Quiescent Current	2.2, 2.7, 3.2, 3.4 3.5, 3.7, 3.9	1.0-5.5	0.03	Active Low	Open-Drain Push-Pull	SOT-23-3 SC-82
FP6803	Ultra-Low Quiescent Current, Adjustable Delay Time with Manual Reset	0.9, 1.2, 1.5, 1.8, 2.5 3.0, 3.3, 5.0, ADJ	1.7-5.5	0.75-560	Active Low	Open-Drain Push-Pull	SOT-23-6 TDFN-6 (2x2)
 FP6804	Ultra-Low Quiescent Current, Adjustable Delay Time with Manual Reset	0.84, 1.12, 1.16, 1.4, 1.67 2.33, 2.79, 3.07, 4.65, ADJ	1.7-5.5	0.75-490	Active Low	Open-Drain Push-Pull	TSOT-23-6 TDFN-6 (2x2)
 FP6804A	Reset Circuits and OVP Function With Adjustable Delay Time	ADJ	1.7-5.5	0.75-490	Active Low	Open-Drain Push-Pull	SOT-23-6
FP6808	Short Delay Time	2.3, 2.6, 2.9, 3.1 4.0, 4.4, 4.6	1.0-5.5	20-60	Active Low	Open-Drain Push-Pull	SOT-23-5
FP6809	-	2.32, 2.63, 2.93, 3.08 4.0, 4.38, 4.63	1.0-5.5	140-560	Active Low	Open-Drain Push-Pull	SOT-23-3
FP6810	-	2.32, 2.63, 2.93, 3.08, 4.0, 4.38, 4.63	1.0-5.5	140-560	Active High	Push-Pull	SOT-23-3
FP6811	With Manual Reset	2.32, 2.63, 2.93, 3.08 4.0, 4.38, 4.63	1.0-5.5	140-560	Active Low	Open-Drain Push-Pull	SC-82 SOT-143 SOT-23-5
FP6812	With Manual Reset	2.32, 2.63, 2.93, 3.08 4.0, 4.38, 4.63	1.0-5.5	140-560	Active High	Push-Pull	SOT-23-5

White LED Driver

Part No.	V _{IN} (V)	V _{OUT} (V) Max.	LED Numbers Max.	Driving Type	Brightness Control	Eff. (%) Max.	Freq. (Hz)	OVP	Package
FP6745/C	2.5-5.5	40	10	Boost	PWM or Linear	87	1.3M	V	SOT-23-6 TSOT-23-5 TSOT-23-6
FP6751	2.5-5.5	38	10	Boost	PWM	87	1.3M	V	SOT-23-6 TSOT-23-6 TDFN-6 (2x2)
 FP6753 (Controller)	8-35	ADJ	18	Boost	PWM	90	200k	V	SOP-8 SOP-8 (EP)
FP6755	2.5-5.5	29	8	Boost	PWM	87	1.3M	V	SOT-23-6 TSOT-23-6 TDFN-6 (2x2)
FP6770	2.7-4.5	5	8	Charge Pump to Fixed 5V Vout	-	90	2M	-	SOT-23-6 TSOT-23-6 TDFN-6 (1.6x1.6)
FP7711 A	2.5-24	40	10x6	Boost with 6 CH Current Balance	9bit PWM or Linear	90	0.6-2M	-	TQFN-24 (4x4)

Flashlight LED Driver

Part No.	V _{IN} (V)	V _{OUT} (V) Max.	LED Current (A)	Driving Type	Brightness Control	Eff. (%) Max.	Freq. (Hz)	OVP	Package
FP6773C	2.7-5.5	5.5	1	Buck/Boost Charge Pump	Flash/Torch	96	2M	-	TDFN-10 (3x3)