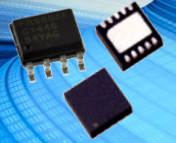


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*Drive your heart,
Power your life*

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
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~V _{in} (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~V _{in} (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~V _{in} (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)
 FR9202T	17V, 2A Synchronous Step-Down DC/DC Converter with High Efficiency at Light Load	HV Sync.	4.5~17	0.765V to 8V	2000	94	850	300	1	V	V	SOT-23-6
 FR9202F	17V, 2A Synchronous Step-Down DC/DC Converter	HV Sync.	4.5~17	0.765V to 8V	2000	94	850	300	1	V	V	SOT-23-6
FR9887	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~23	0.925~V _{in} (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~V _{in} (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~V _{in} (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~V _{in} (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~V _{in} (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~V _{in} (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~V _{in} (Max.) x0.85	4000	95	500	2000	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~V _{in} (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~V _{in} (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~V _{in} (Max.) x0.85	2000	90	500	1000	1	V	V	SOT-23-6
FR9883A	Sync. 2A Buck Internal Comp. Converter with High Efficiency at Light Load	HV Sync.	4.5~18	0.8~V _{in} (Max.) x0.85	2000	90	1000	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~V _{in} (Max.) x0.85	2000	90	500	1000	1	V	V	SOT-23-6

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
 FR9852	17V, 2A Synchronous Step-Down DC/DC Converter with High Efficiency at Light Load	HV Sync.	4.5~17	0.8V to 8V	2000	95	500	400	1	V	V	SOT-23-6 SOT563
 FR9853	17V, 3A Synchronous Step-Down DC/DC Converter with High Efficiency at Light Load	HV Sync.	4.5~17	0.8V to 8V	3000	95	500	400	1	V	V	SOT-23-6
 FR9853P	17V, 3A Synchronous Step-Down DC/DC Converter	HV Sync.	4.5~17	0.8V to 8V	3000	95	500	400	1	V	V	SOT563
 FR9853T	17V, 3A Synchronous Step-Down DC/DC Converter with High Efficiency at Light Load	HV Sync.	4.5~17	0.765V to 8V	3000	94	500	400	1	V	V	SOT-23-6
 FR9853F	17V, 3A Synchronous Step-Down DC/DC Converter	HV Sync.	4.5~17	0.765V to 8V	3000	94	500	400	1	V	V	SOT-23-6
FR9854	Sync. 4A Buck Internal Comp. Converter with fast constant on time control technique (FCOT)	HV Sync.	4.5~18	0.765~8V	4000	94	630	600	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) External SS/PG	HV Sync.	4.5~18	0.765~8V	5500	94	630	600	1	V	V	SOP-8 (EP) TDFN-10 (3x3)
FR9855B	Sync. 5.5A Buck Internal Comp. Converter with fast constant on time control technique (FCOT) External VREG/PG	HV Sync.	4.5~18	0.765~8V	5500	94	630	600	1	V	V	SOP-8 (EP)
 FR9856B	Sync. 6A Buck Internal Comp. Converter with fast constant on time control technique (FCOT) External VREG/PG	HV Sync.	4.5~18	0.765~8V	6000	94	630	600	1	V	V	SOP-8 (EP)
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)
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
 FP6335	1.2A High Efficiency Sync. Buck Converter, Pure PWM	Low V Sync.	2.5~6.0	0.6~Vin	1200	95	1500	400	0.1	V	V	SOT-23-5/6
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
FP6358	2A High Efficiency Sync. Buck Converter, Pure PWM	Low V Sync.	2.5~6.0	0.6~Vin	2000	95	1500	80	0.1	V	V	SOT-23-5
FP6359	3A High Efficiency Sync. Buck Converter, Pure PWM	Low V Sync.	2.5~6.0	0.6~Vin	3000	95	1000	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)
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)

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FP6373	2.5A High Efficiency Sync. Buck Converter	Low V Sync.	2.7-5.5	0.6-V _{in}	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-V _{in}	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-V _{in}	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-V _{in}	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-V _{in}	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-V _{in}	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-V _{in}	1000+ 1000	95	1500+ 1000	80	0.1	V	V	TDFN-12 (3x3)
FP6385	3A High Efficiency Sync. Buck Converter	Low V Sync.	2.5-6.0	0.6-V _{in}	3000	95	1000	80	0.1	V	V	SOT-23-6 (FC)
New FP6396	1.2A High Efficiency Sync. Buck Converter	Low V Sync.	2.5-6.0	0.6-V _{in}	1200	95	1500	30	0.1	V	V	SOT-23-5/6
New FP6397	2A High Efficiency Sync. Buck Converter	Low V Sync.	2.5-6.0	0.6-V _{in}	2000	95	1000	40	0.1	V	V	SOT-23-5/6

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-V _{out}	1.8-4	1000	94	500	25	1	V	V	MSOP-10
FP6713	Low Start-up Sync. Boost Converter, Automatically PWM or PFM Mode	0.85-V _{out}	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-V _{out}	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-V _{out}	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-V _{out}	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-V _{out}	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-V _{out}	2.5-5.25	ADJ (8A)	90	550	30	1	V	V	SOP-8 (EP)
New FP6722	Low Quiescent Current Boost Converter	0.7-5.5	1.8-5.5	500	96	-	5	1	V	V	SOT-23-6
New FP6723/A	Low Quiescent Current Boost Converter	0.7-5.5	3/3.3	350	96	-	5.5	1	V	V	SOT-23-6
FP6730	Large Input Voltage Range, Current Mode Step-up Converter	3-24	V _{in} -24	2500	93	1000	120	1	V	-	SOT-23-5 SOT-23-6
FP6733	Low Vin Start-up 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	V _{in} -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	V _{in} -12	1600	90	640/1200	160	0.1	V	V	MSOP-8
FP6795	Low Noise Step-up Converter, 2A, 0.16Ohm Switch MOSFET	2.6-5.5	V _{in} -16	2000	90	640/1200	160	0.1	V	V	MSOP-8 (EP)
FP67380	1Mhz 2.5A Current-Mode Step-Up DC/DC Converter	3-24	V _{in} -24	2500	95	1000	250	0.1	V	V	TDFN-6 (2x2)

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)
New FP7703B	Programmable Gamma with I ² C Interface	14	9	I ² C	TQFN-28 (5x5)

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	V _{in} -18	4500	92	1200	5600	560	-	V	TQFN-20 (5x5)

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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)
FP7710B	Bias Power for GOP TFT LCD Application of NB/Monitor with Reset and Level Shifter	3~6	7~18	4600	90	640/1200	1440	750	V	V	TQFN-46 (6.5x4.5)

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
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 100mA Channel Charge Pump	2.5~4.8	2xVin	-	92	600KHz	-	2	-	V	TDFN-12 (2.4x1.5)
FP7723	Integrated Switch Dual 50mA Channel Charge Pump	2.5~4.8	2xVin	-	85	-	-	5	-	V	TDFN-12 (3.0x1.5)
FP7631	Display PMIC for TFT LCD TV Panels	8~16.5	13.5~19.8	2500	-	960KHz~1440KHz, 1.2MHz typ.	-	-	-	-	TQFN-48 (5x5)
JD7636	TFT-LCD PMIC with Programmable Output Buffer and 12 Channels Level Shifter for GOP Monitor panels	3.5~6	10~18	3500	90	960~1440	-	-	V	V	TQFN-56 (7x7)
FP9929A	Power Supplier Solution with I2C Interface for EPD Panels, with VGH, VGL, VPOS, VNEG, VREF and VCOM Buffer	2.7~5.5	±15 20~30.5 -25~-20	5000	-	-	-	-	-	-	TQFN-32 (5x5)
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)
FP7665	8-Channel Level-Shifter with Charge-Sharing Functions for GOP TFT LCD Panel	4.7	40	-	-	-	-	TQFN-28 (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)
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
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)
FP6861G	1.68, 2.1, 3.0, 3.67	1	2.5~5.5	1.68, 2.1, 3.0, 3.67	45	SOT-23-5 (FC)

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

Motor Driver

Part No.	Key Features	VIN (V) Range	Output Current (mA)	Control Volt. Range (V) / Interface	Compatible Interface	Thermal Shut Down	Package
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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
FP5510E/F	10-bit Resolution DAC, Power On Reset Power Down Current < 80nA Power Down Control Circuit Integrated Current Sense Resistor Selectable Output Slope Control	2.3~3.6	0~120 Current Sink	1.8~3.3 2-Wire Serial	I ² C	-	6-ball WLCSP
FP5510H	10-bit Resolution DAC, Power On Reset Power Down Current < 80nA Power Down Control Circuit Integrated Current Sense Resistor Selectable Output Slope Control	2.3~3.6	0~150 Current Sink	1.8~3.3 2-Wire Serial	I ² C	-	6-ball WLCSP
FP5510M	10-bit Resolution DAC, Power On Reset Power Down Current < 80nA Power Down Control Circuit Integrated Current Sense Resistor Selectable Output Slope Control Multi I2C Address	2.3~3.6	0~120 Current Sink	1.8~3.3 2-Wire Serial	I ² C (Multi Selectable)	-	6-ball WLCSP
FP5513	10-bit Resolution DAC, Power On Reset Power Down Current < 80nA Power Down Control Circuit Integrated Current Sense Resistor Selectable Output Slope Control	2.3~3.6	0~120 Current Sink	1.8~3.3 2-Wire Serial	I ² C	-	6-ball WLCSP

Motor Driver

Part No.	Key Features	V _{IN} (V) Range	Output Current (mA)	Control Volt. Range (V) / Interface	Compatible Interface	Thermal Shut Down	Package
FP5516W	10-bit DAC H-bridge bi-directional driver	2.3-4.8	+/-100	1.8~3.3 2-Wire Serial	I ² C		6-ball WLCSP
FP5516S	10-bit DAC H-bridge bi-directional driver	2.3-4.8	+/-120	1.8~3.3 2-Wire Serial	I ² C		6-ball WLCSP
FP5518	10-bit DAC VCM driver with 8K eFlash	2.3~3.3	0~100	1.8~3.3 2-Wire Serial	I ² C		8-ball WLCSP
FP5519	10-bit DAC VCM driver with 10K EEPROM	2.3~3.3	0~100	1.8~3.3 2-Wire Serial	I ² C		6-ball WLCSP
FP5519E/F	10-bit DAC VCM driver Integrated 10K EEPROM Power On Reset Power Down Control Circuit Integrated Current Sense Resistor Selectable Output Slope Control	2.65~3.3	0~100	1.8~3.3 2-Wire Serial	I ² C		6-ball WLCSP
FP5520	10-bit DAC H-bridge bi-directional driver with 8K eFlash	2.3~3.3	+/-100	1.8~3.3 2-Wire Serial	I ² C		8-ball WLCSP
FP5529	10-bit DAC VCM driver with 16K EEPROM	2.3~3.3	0~100	1.8~3.3 2-Wire Serial	I ² C		6-ball WLCSP
FP5530	Dual H-Bridge Motor Driver Driver Two DC Motors or One Stepper Motor	2.7~10.8V	0~1000	0~5.5 PWM		150C	TSSOP-16 TQFN-16

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) D (2.5, 1.8) F (1.8, 2.8) H (1.5, 2.8) J (1.3, 2.8) L (1.8, 2.6) N (2.8, 3.3) P (2.85, 2.85) S (1.2, 3.3) V (3.3, 3.3) C (2.8, 1.8) E (3.0, 1.8) G (2.8, 2.8) I (1.8, 3.3) K (1.2, 2.8) M (1.8, 3.0) O (1.8, 1.8) Q (1.5, 3.0) T (3.0, 2.85)	±2%	25	1	V	V	V	SOT-23-6 TSOT-23-6 TDFN-6 (1.6x1.6)
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
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 SC-82-4 TDFN-6 (1.6x1.6)

Selection Guide

FP6160	150mA, High Voltage LDO	150	5~18	500		ADJ	±1%	55	1	V	V	V	SOT-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
FP6182	150mA, Low Iq LDO	150	2.7~5.5	250		1.2, 1.5, 1.8, 2.2, 2.8, 3.3	±1%	1	0.1	V		V	SOT-23-5 TDFN (1x1)
FP6183	150mA, Low Iq LDO	300	2.7~5.5	250		1.0, 1.2, 1.8, 2.2, 2.7, 2.8, 3.0, 3.3	±1%	35	0.1	V	V	V	TDFN (1x1)
FP6185	Low Noise, High PSRR 70dB	300	2.7~5.5	250		1.2, 1.5, 1.8, 2.8, 2.9, 3.3	±2%	35	0.1	V	V	V	SOT-23-5
FP6186	Low Noise, High PSRR 75dB	300	2.2~5.5	230		ADJ	±1%	60	0.1	V	V	V	SOT-23-5
FP6186A	Low Noise, High PSRR 75dB	600	2.2~5.5	400		ADJ	±1%	60	0.1	V	V	V	SOT-23-5
FP6187	Low Noise, High PSRR 75dB	300	1.5~5.5	160		1, 1.2, 1.5, 1.8, 2.5, 2.8, 3.3	±1%	45	0.1	V	V	V	SOT-23-5 TDFN (1x1)
FP6188	Low Noise, High PSRR 70dB	600	2.2~5.5	250		1, 1.2, 1.5, 1.8, 2.5, 2.8, 3.3	±1%	45	0.1	V	V	V	SOT-23-5

DDR Bus Terminator

Part No.	Output Current (Max.)	VIN (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)

DDR Bus Terminator

Part No.	Output Current (Max.)	VIN (V)	Control Volt.	Output Offset Volt.	Load Regulation	Package
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
FP6906	4.5~6.5	1	4.2 ; 4.35	1	V	v	V	SOP-8 SOT-23-5 SOT-23-6

USB Dedicated Charging Port Controller

Part No.	Key Features	VIN (V) Range	BC1.2	Apple	Samsung	QC2.0	typeC	PD2.0	FCP	qc3.0	PD3.0 (pps)	Package
FP6600Q	6 in 1 Dedicated Charging Port Controller with FCP, QC 3.0/2.0 Fast Charging Function	3.2V ~ 6.4V	V	V	V	V	-	-	V	V	-	SOP-8
FP6601Q	6 in 1 Dedicated Charging Port Controller with FCP, QC 3.0/2.0 Fast Charging Function	3.2V ~ 6.4V	V	V	V	V	-	-	V	V	-	SOT-23-6
FP6601M	USB Dedicated Charging Port Controller with QC 2.0 Fast Charging Function	3.2V ~ 6.4V	V	V	V	V	-	-	V	-	-	SOT-23-6
FP6601H	Dedicated Charging Port Controller with FCP, QC2.0 Fast Charging Function (No 12Vout)	3.2V ~ 6.4V	V	V	V	V	-	-	V	-	-	SOT-23-6
FP6606C	Simply USB Type-C PD 3.0 Protocol Controller with FCP, QC 3.0/2.0 Fast Charging Function	3.2V ~ 6.8V	V	V	V	V	V	V	V	V	-	SOP-8 (EP) CPC-16
FP6606AC	Simply USB Type-C PD 3.0 Protocol Controller with FCP, QC 3.0/2.0, Supports Type-A and Type-C (1A1C)	3.2V ~ 6.8V	V	V	V	V	V	V	V	V	-	SSOP-20, TQFN3X3-20 CPC-16, CPC-20
FP6601AA	Dual USB Type-A (A+A) HVDCP Controller with FCP, QC 3.0/2.0 & Plug In/Out Auto Detection	3.2V ~ 6.8V	V	V	V	V	-	-	V	V	-	CPC-20L
FP6601AM	6 in 1 Dedicated Charging Port Controller with FCP, QC 3.0/2.0, Support Plug in/out Auto Detection & Multi-Ports Control	3.2V ~ 6.8V	V	V	V	V	-	-	V	V	-	SSOP-10 CPC-16
FP6606	USB Type-C PD 3.0/PPS, (DRP,DFP,UFP) Controller with QC 4.0+/3.0/2.0, FCP, SCP, BC1.2 & AFC	3.2V ~ 6.8V	V	V	V	V	V	V	V	V	V	TQFN4x4-16, TQFN4x4-24

Selection Guide

FP9936	Dedicated Charging Port Controller with QC3.0/2.0 Fast Charging Function (No 12Vout)	3.2V ~ 6.4V	V	V	V	V	-	-	-	V	V	SOT-23-6
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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
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
FP6395	2.5-6	6	2	Buck	-	95	1.5M	V	TDFN-6 (2x2)
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)
FP7671	4.2-24	40	10x6	Boost with 6 CH Current Balance	9bit PWM or Linear	90	0.6-2M	-	TQFN-24 (4x4)
FP7672	4.2-24	40		Boost	PWM	90	250K-2036.3K	V	TQFN-20 (3.5x3.5)
FR9708/A	2.8-24	24	8	Buck, Boost, Buck-Boost	PWM or Linear	95	1.2M	V	SOT-23-6

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)