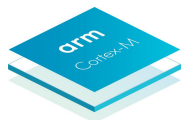
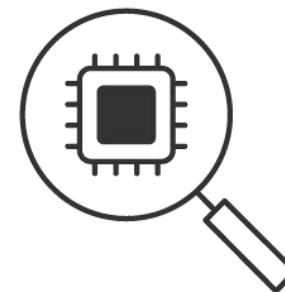


FOCMCU Electronics Corporation



富鴻創芯電子(深圳)有限公司





01

營業範圍 Key Business (P3)

02

器件系列 Analog Devices Series (P4)

03

器件目錄 Product Catalog (P5~P40)

04

營業位置 Business Location (P41)

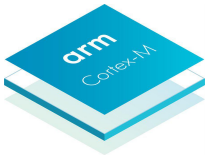
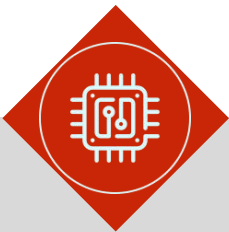
05

重要申明 Important Statement (P42)

目录

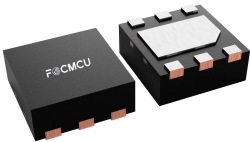
CONTENTS





Microcontrollers

- ARM Cortex-M0+
- ARM Cortex-M3
- ARM Cortex-M4
- ARM Cortex-M7
- ARM Cortex-A7



Analog Devices

- Power IC: DC-DC | LDO | PMIC | RTC Switch(Power/Hall/Load/OVP) ...
- MOSFET : High Voltage / I_D (~300V / ~500A)
- Memory: SPI Flash(1.0~64Mbit)
EEPROM(2K~512Kbit)
- OPA: u/nOPA/Zero Drift/Low Noise
- Analog Switch
- BMU: Battery Charger/Balance/Protection
- Interface: RS-232/RS-485/RS-422
- Motor Driver
- LED Driver: LED Lighting / WLED Backlight



Solutions

- IoT(Internet of Things)
- AI (Edge AI)
- Health Care Electronics
- Microwave communication solutions (24GHz/77GHz)
- 2.4G wireless communication



MCU Advantages

- ... Excellent versatility
- ... Good alternative compatibility
- ... Perfect for mainstream OS
- ... Mass-ready solutions

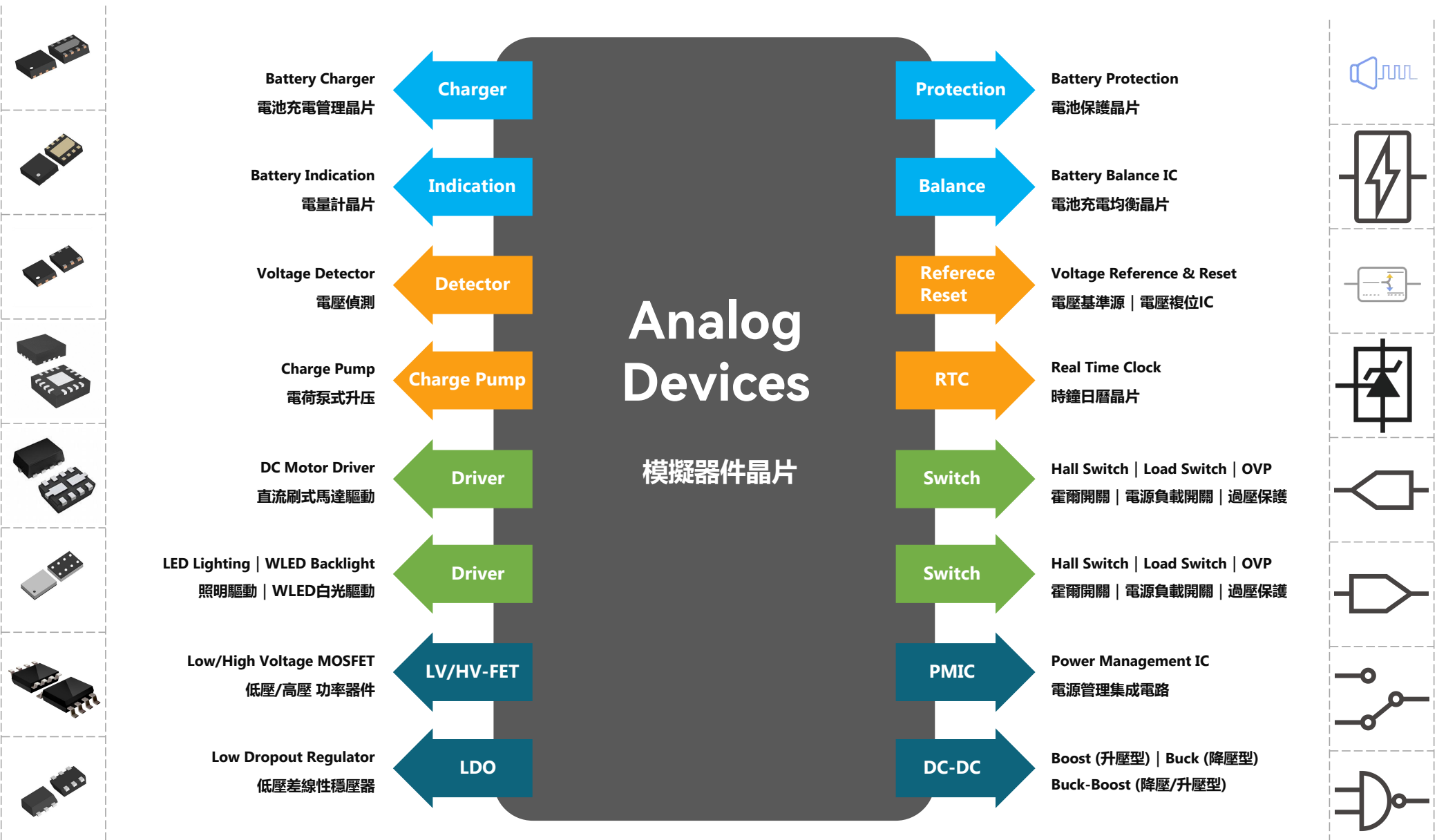
Chip Advantages

- ... Complete range of device selection application types
- ... The device family consists of 2,500+ part number
- ... The device uses advanced wafer process technology
- ... The device is available in an advanced package structure

SDK Advantages

- ... Software: APP PC / Mobile / SDK
- ... Hardware Layout: PCB+BOM
- ... Cloud APP / Server
- ...





Part No.	Vin(V)	Load Current(A)	Vout(V)	Iss(uA)	FOSC (KHz)	Control Mode	Efficiency	Vfb (V)	Power Good Output	Temp Range (°C)	Packaged
FH4001	1.0~6.0	0.6	2.0~6.0	17.0	1000	PWM	90%	1.250	-	-40 ~ +85	SOT-23-6L SOT-89-5L
FH4003	0.9~6.5	0.3	1.8~5.0	15.0	320	PFM Synchronous	95%	0.800	-	-40 ~ +85	SOT-23-3L/5L SOT-89-3L
FH4004	2.7~5.5	0.3	~22.0	90.0	1000	PWM	90%	1.230	-	-40 ~ +85	SOT-23-5L
FH4005	0.8~6.5	0.3	2.1~5.5	6.0	300	PFM	95%	0.900	-	-40 ~ +85	SOT-23
FH4101	1.8~5.5	1.2	2.5~4.5/ADJ	60.0	1000	PFM/PWM	95%	0.600	-	-40 ~ +85	SOT-23-6L
FH4102	1.0~6.0	1.1	2.5~5.5	21.0	1000	PWM	90%	1.000	-	-40 ~ +85	SOT-23-6L
FH4103	2.8~5.0	1.2	~6.0	80.0	1500	PFM/PWM	92%	0.600	-	-40 ~ +85	SOT-23-6L
FH4104	0.6~5.0	1.0	3.3~5.0	1.0	1400	PWM	94%	1.110	-	-40 ~ +85	SOT-23-6L DFN2*2-6L
FH4105	1.8~4.5	1.5	5.0~5.0	40.0	1000	PFM	96%	-	-	-40 ~ +85	SOT-23-5L
FH4135	0.85~4.5	1.0	2.1~5.0	40.0	2000	PWM	96%	0.600	-	-40 ~ +85	DFN2*2-6L
FH4139	0.6~5.5	1.5	5.0	40.0	1000	PWM/PFM	96%	0.600	-	-40 ~ +85	SOT-23-6L
FH4202	2.2~5.5	3.0	~5.5	150.0	1200	Synchronous	94%	1.250	Y	-40 ~ +85	ESOP-8L
FH4203	1.8~5.5	2.1	~5.5	20.0	1200	PWM	92%	0.500	-	-40 ~ +85	DFN3*3-12L QFN4*4-16L

Part No.	Vin(V)	Load Current (A)	Vout (V)	Iss (uA)	FOSC (KHz)	Control Mode	Efficiency	Vfb (V)	Power Good Output	Temp Range (°C)	Packaged
FH4204	2.0~24.0	3.0	~28.0	100.0	1200	PFM/PWM	93%	0.600	-	-40 ~ +85	SOT-23-6L
FH4204B	2.5~5.5	3.0	3.2~5.3	100.0	1000	PFM/PWM	92%	0.600	-	-40 ~ +85	SOT-23-6L
FH4204C	2.2~16.0	2.5	~20.0	100.0	1200	PFM/PWM	92%	0.600	-	-40 ~ +85	SOT-23-6L
FH4204D	2.0~24.0	3.5	~24.0	100.0	1400	PFM/PWM	93%	0.600	-	-40 ~ +85	SOT-23-6L
FH4302	1.8~5.0	3.0	~5.5	50.0	1000	PWM	97%	0.600	-	-40 ~ +85	DFN3*3-12L
FH4303	1.8~5.0	3.0	~5.5	50.0	1000	PWM	97%	0.600	-	-40 ~ +85	QFN3*3-16L
FH47063	1.8~5.5	3.0	2.5~5.5	27.0	500	PWM	96%	1.200	Y	-40 ~ +85	QFN2.0*2.0-10L
FH47065	1.8~5.5	5.0	2.5~5.5	27.0	500	PWM	96%	1.200	Y	-40 ~ +85	QFN2.0*2.0-10L
FH47066	1.8~5.5	6.0	2.5~5.5	27.0	500	PWM	96%	1.200	Y	-40 ~ +85	QFN2.0*2.0-10L
FH47304	3.0~33.0	4.0	~33.0	100.0	1000	PFM/PWM	95%	0.600	-	-40 ~ +85	DFN3.0*3.0-10L
FH47177	2.7~12.0	7.0	~12.6	120.0	200~2.2MHz	PFM PSM(COT)	94%	1.200	-	-40 ~ +85	QFN2.5*2.0-11L
FH47115	2.7~12.0	10.0	4.5~12.6	600.0	200~2.2MHz	PFM PSM(COT)	94%	1.200	Y	-40 ~ +85	DFN4.0*4.0-20L
FH47119	2.7~20.0	14.0	4.5~20.0	130.0	200~1.4MHz	PFM/PWM	95%	1.204	Y	-40 ~ +85	QFN4.5×3.5-20L

Part No.	Vin (V)	Load Current (A)	Vout (V)	Iss (uA)	FOSC (KHz)	Control Mode	Efficiency	Vfb (V)	Power Good Output	Temp Range (°C)	Packaged
FH47120	2.8~16.0	10.0	~16.0	200.0	300~2.0MHz	PFM/PWM	97%	1.000	Y	-40 ~ +85	QFN3.0*3.0-20L
FH47121	2.7~5.5	12.0	~24.0	140.0	600	PWM	91%	1.240	Y	-40 ~ +85	ESOP-8L
FH47196	2.7~12.0	10.0	~13.0	400.0	400	PWM	93%	1.200	-	-40 ~ +85	ESOP-8L
FH47215	3.0~16.0	15.0	~16.0	200.0	300	PWM	95%	1.000	Y	-40 ~ +85	QFN4.0*4.0-18L
FH47315	3.0~30.0	15.0	~30.0	200.0	300	PWM	95%	1.000	Y	-40 ~ +85	QFN4.0*4.0-18L
FH43050	2.7~20.0	10.0	4.5~20.0	54.0	2200	PWM	96%	1.200	Y	-40 ~ +125	QFN3.5*3.0-13L
FH43052	2.7~20.0	10.0	4.5~20.0	54.0	2200	PWM	96%	1.200	Y	-40 ~ +125	QFN3.5*3.0-13L

■ EN: Enable Control ■ OCP: Over Current Protection ■ UVLO: Under Voltage Lock Out ■ SCP: Short Circuit Protection ■ OTP: Over Temperature Protection

Part No.	Vin (V)	Iout (A)	Vout Range (V)	Iss (uA)	FOSC (KHz)	Mode	Efficiency	Vfb (V)	Temp Range (°C)	Packaged
FH4502	2.6~6.0	1.0	0.6~6.0	40	1500	PWM	96%	0.600	-40 ~ +85	DFN2*2-6L
FH4502B	2.6~5.5	1.0	0.6~6.0	40	1500	PWM	96%	0.600	-40 ~ +85	DFN2*2-6L
FH4506	2.5~6.0	1.0	0.6~6.0	40	5500	PWM/PFM	95%	0.600	-40 ~ +85	DFN2*2-6L
FH4507	2.5~5.5	1.2	0.6~6.0	40	2000	PWM/PFM	95%	0.600	-40 ~ +85	DFN2*2-6L
FH4508	2.5~5.5	1.2	0.6~6.0	40	2300	PWM	94%	0.600	-40 ~ +85	SOT-23-5L
FH4509	2.6~7.0	1.3	1.47~5.8	0.1	1500	PWM/PFM	96%	1.130	-40 ~ +85	SOT-23-5L
FH4510	2.5~6.0	2.0	0.6~6.0	40	1000	PWM	96%	0.600	-40 ~ +85	SOT-23-5L
FH4510B	2.6~5.5	1.5	2.6~5.5	50	2000	PWM	97%	0.600	-40 ~ +85	SOT-23-5L
FH4510C	2.6~5.5	2.0	2.6~5.5	80	2000	PWM	97%	0.600	-40 ~ +85	SOT-23-5L
FH4511	2.7~5.5	2.0	0.6~5.5	50	1000	PFM/ PGood	96%	0.600	-40 ~ +85	SOT-23-6L
FH4512	2.6~5.5	2.0	0.6~5.5	30	3000	PWM	96%	0.600	-40 ~ +85	DFN2*2-8L
FH4513	2.6~5.5	2.0	0.6~5.5	30	3000	PWM	96%	0.600	-40 ~ +85	SOT-23-5L

Part No.	Vin (V)	Iout (A)	Vout Range (V)	Iss (uA)	FOSC (KHz)	Mode	Efficiency	Vfb (V)	Temp Range (°C)	Packaged
FH4523	2.6~5.5	3.5	0.45~5.5	50	1500	COT Sync.buck	95%	0.450	-40 ~ +85	DFN2*2-8L
FH43113	2.7~5.5	3.5	0.6~5.5	50	1000	PFM / PGood	96%	0.600	-40 ~ +85	DFN3*3-10L
FH4525	2.5~6.0	7.0	0.4~5.5	65	2100	COT Sync.buck	97%	0.72~1.5	-40 ~ +85	CSP-20L
FH4682	4.5~18.0	2.0	0.8~15.0	600	600	PFM / Fast Response	93%	0.8/0.756	-40 ~ +85	SOT-23-6L
FH4684	4.5~20.0	2.0	0.6~18.0	410	1000	PWM/PFM COT Sync.buc	96%	0.600	-40 ~ +85	SOT-23-6L
FH4630	3.5~18.0	2.0	0.6~15.0	10	500	PWM/PFM	95%	0.600	-40 ~ +85	SOT-23-6L
FH46301	4.0~18.0	2.0	0.6~16.0	4	1000	Force-PWM	96%	0.600	-40 ~ +85	SOT-23-6L
FH46302	4.5~16.0	2.0	0.6~14.0	3	600	PWM/PFM	96%	0.600	-40 ~ +85	SOT-23-6L
FH4631	3.5~18.0	2.0	0.8~17.0	10	600	PWM/PFM	95%	0.800	-40 ~ +85	SOT-23-6L
FH43484	4.5~18.0	3.0	0.923~17.5	10	500	PWM/PFM	95%	0.923	-40 ~ +85	ESOP-8L
FH4635	4.5~18.0	3.0	0.6~12.0	300	500	COT Sync.buck	94%	0.600	-40 ~ +85	SOT-23-6L
FH43207	4.2~16.0	4.0	1.0~14.0	500	500	PWM	95%	0.923	-40 ~ +85	ESOP-8L
FH43255	4.5~18.0	5.0	1.2~15.0	340	600	PFM/Fast Response	94%	0.600	-40 ~ +85	SOT-23-6L
FH43256	4.5~18.0	6.0	1.2~15.0	340	600	PFM / Fast Response	94%	0.800	-40 ~ +85	DFN2*2-6L

Part No.	Vin (V)	Iout (A)	Vout Range (V)	Iss (uA)	FOSC (KHz)	Mode	Efficiency	Vfb (V)	Temp Range (°C)	Packaged
FH4710	4.5~30.0	1.2	0.8~19.0	n/a	1400	PWM	96%	0.800	-40 ~ +85	SOT-23-6L
FH4720	4.5~32.0	2.0	0.6~23.8	4.0uA	500	ECOT PSM	95%	0.6 / 0.8 / 0.765	-40 ~ +85	SOT-23-6L
FH4711	4.5~30	2.0	0.95~28.0	n/a	500	PWM	96%	0.923	-40 ~ +85	SOP-8L
FH33431	4.5~30	2.5	0.8~28.0	3.0uA	570	PWM	95%	0.800	-40 ~ +85	SOP-8L
FH4712	4.5~30	3.0	0.8~21.5	380	340	PWM	96%	0.800	-40 ~ +85	ESOP-8L
FH3330	4.5~30.0	3.0	0.6~26.0	60	500	ECOT PSM	93%	0.6 / 0.8 / 0.765/0.923	-40 ~ +85	ESOP-8L
FH3343B	4.5~30	3.0	0.8~27.0	380	50k to 1.5M	PFM External COMP	95%	0.800	-40 ~ +85	ESOP-8L
FH56000	4.2~28.0	5.0	ADJ	3.0uA	300K(ADJ)	PFM/PWM	93%	0.800	-40 ~ +85	QFN4*4-14L
FH56001	4.5~36.0	10.0	ADJ	15	150~1200	PWM	96%	2.000	-40 ~ +85	QFN4*4-20L
FH56002	6.5~36.0	3.1	0.5~34.0	100	100	PWM	95%	1.200	-40 ~ +85	ESOP-8L
FH56003	6.5~36.0	3.1	0.5~33.8	100	300	PWM	95%	0.900	-40 ~ +85	ESOP-8L
FH4816	4.5~40.0	1.5	4.0~ 36.0(ADJ)	40	800	PWM/PFM	95%	0.800	-40 ~ +85	SOT-23-6L
FH4820	4.5~40.0	2.0	ADJ	80	500	PWM/PFM	93%	0.6/0.8/0.765	-40 ~ +85	SOT-23-6L

Part No.	Vin (V)	Iout (A)	Vout Range (V)	Iss (uA)	FOSC (KHz)	Mode	Efficiency	Vfb (V)	Temp Range (°C)	Packaged
FH4894	5.0~40.0	5.0	0.92~34.0	10	200	PWM	95%	0.920	-40 ~ +85	ESOP-8L
FH48104	4.5~60.0	0.6	0.8~56.0	250	1200	PWM	92%	0.800	-40 ~ +85	SOT-23-6L
FH48110	4.5~60.0	1.2	ADJ	73	500	PWM/PFM	90%	0.800	-40 ~ +85	ESOP-8L
FH4830	8.0~ 80.0	1.0	1.25~68.0	210	100	PWM	85%	1.250	-40 ~ +85	ESOP-8L
FH4832	12.0~90.0	0.6	1.25~90	250	150	PWM	85%	1.250	-40 ~ +85	ESOP-8L
FH89032	7.0~100.0	3.0	ADJ	400	50~500	PWM	97%	1.200	-40 ~ +105	QFN5*5-32L
FH89086	5.0~100.0	2.0	ADJ	200	1000	PWM	90%	2.150	-40 ~ +85	ESOP-8L
LM2576	4.5~45.0	3.0	ADJ	70	52	PFM	83%	1.230	-40 ~ +85	TO-220-5 TO-263-5 ESOP-8L
LM2576H	4.5~60.0	3.0	ADJ	70	52	PFM	83%	1.230	-40 ~ +85	TO-220-5 TO-263-5 ESOP-8L
LM2596	4.5~45.0	3.0	ADJ	70	150	PWM	90%	1.230	-40 ~ +105	TO-220-5 TO-263-5 ESOP-8L
LM2596H	4.5~60.0	3.0	ADJ	70	150	PWM	90%	1.230	-40 ~ +105	TO-220-5 TO-263-5 ESOP-8L

Part No.	Vin range (V)	Vout range (V)	Iout (Max)(A)	Topology	Type	FOSC (KHz)	Iq (Typ)(mA)	Current limit (Typ)(A)	Duty cycle (Max)	Efficiency	Temp Range (°C)	Packaged
FH3440	1.8~5.5	1.8~5.5 (ADJ)	1.0	Buck-Boost	Converter	350~1500	1.00	1.5	87%	95%	-40 ~ +85	MSOP-10L
FH3440B	1.8~5.5	1.8~5.5 (ADJ)	1.0	Buck-Boost	Converter	350~1500	1.00	1.5	85%	95%	-40 ~ +85	SOP-8L
FH3440D	2.5~5.5	1.2~5.0 (ADJ)	1.2	Buck-Boost	Converter	1700	0.16	2.0	85%	95%	-40 ~ +80	DFN3*3-10L
FH3441	1.8~5.0	1.2~5.0 (ADJ)	0.6	Buck-Boost	Converter	1000	0.70	1.1	85%	95%	-40 ~ +85	DFN2*2-8L
FH39701	2.6~5.5	ADJ	1.2	Buck-Boost	Converter	1000	0.60	4.0	90%	96%	-40 ~ +85	DFN3*3-14L
FH39702	2.6~5.5	ADJ	2.0	Buck-Boost	Converter	1000	0.60	5.0	90%	96%	-40 ~ +85	DFN3*3-14L
FH35500	3.5~32.0	2.0~30.0	20.0	Buck-Boost	Controller	150~1200	15.00	n/a	99.50%	94%	-40 ~ +125	QFN4*4-32L
FH35501	3.5~32.0	2.0~30.0	20.0	Buck-Boost	Controller	150~1200	15.00	n/a	99.50%	94%	-40 ~ +125	QFN4*4-32L

Part No.	Vin (V)	Iout (mA)	Vout (V)	Accu	I _Q	PSRR (dB)	V _{DROPOUT} (Typ.)	Features	Packaged
FH6115	1.8~5.5	300	1.5~5.0	±2%	8.0uA	50	0.2V @ 100mA	SCP/ OCP	SOT-23-3L
FH6118	1.5~6.0	300	ADJ	±1.5%	30uA	50	300mV @ 100mA (3.0V type)	EN / SCP / OCP	SOT-23-5L SOT-23-6L
FH6120	1.2~6.5	500	1.2~5.0	±2%	50.0uA	70	100mV@ 100mA	EN / SCP	SOT-23-5L SOT353 FBP1*1-4L DFN2*2-6L
FH6121	2.0~7.0	700	1.5~5.0	±2%	30.0uA	60	50mV @ 100mA (3.0V type)	EN / SCP	SOT-89-5L SOT-23-5L
FH6123	2.0~7.0	300	1.0~5.0	±2%	70.0uA	65	300mV @ 100mA (3.0V type)	EN / SCP	SOT-23-5L SOT-353/SC70-5 SOT-343 DFNWB1*1-4L
FH6125	2.0~5.5	250	1.2~5.0	±1%	0.8uA	35	200mV @ 100mA (3.0V type)	LOW IQ / EN / SCP / OCP	SOT-23-3L SOT-23-5L
FH6126	2.0~7.0	300	0.9~5.0	±2%	60.0uA	60	180mV @ 100mA (3.0V type)	EN / SCP	SOT-23-5L DFN1*1-4L
FH6127	1.8~5.0	300	0.85~1.8	±2%	50.0uA	60	300mV @ 100mA (1.5V type)	EN / SCP	SOT-23-5L
FH6128	1.5~7.0	400	1.20 ~ 5.00	±2%	0.1uA	45	180mV @ 100mA (3.0V type)	EN / SCP	SOT-23-3L SOT-23-5L DFN1*1-4L
FH6130	2.0~6.0	500	1.2~5.0	±2%	40.0uA	70	100mV @ 100mA (3.0V type)	EN / SCP	SOT-23-5L
FH6134	2.0~7.0	500	1.0~5.0	±1.5%	0.3uA	70	100mV @ 100mA (3.3V type)	LOW IQ / EN / SCP / OCP	SOT-23-3L SOT-23-5L SOT-89-3L

Part No.	Vin (V)	Iout (mA)	Vout (V)	Accu	I _Q	PSRR (dB)	V _{DROPOUT} (Typ.)	Features	Packaged
FH6216	1.8~7.0	500	1.5V~6.0	± 2%	8.0uA	50	500mV @ 500mA (3.3V type)	IQ/EN/SCP/OCp	SOT-89-3L SOT-23-6L
FH6226	2.0~7.0	300	1.5 ~ 5.5	± 2%	60.0uA	55	250mV typ. (3.0V,IOUT=100mA)	SCP/OCp	SOT-89-3L SOT-23-3L
FH6236	1.8~7.0	300	1.2 ~ 6.0	± 2%	8.0uA	50	160mV @ 100mA (3.0V type)	SCP/OCp	SOT-89-3L SOT-23-3L
FH6246	~7.0	300	1.2 ~ 6.0	± 2%	5.0uA	50	160mV @ 100mA (3.3V type)	SCP/OCp	SOT-89-3L SOT-23-3L
FH62626	2.7~6.0	1000	2.5~5.0	±1%	1.7uA	53	0.3V at 1000mA	EN / SCP / OCp	eSOP-8L
FH62828	5.5~7.0	1000	5.0	±1%	1.7uA	53	300mV at 1000mA	EN / SCP / OCp	eSOP-8L
FH6241	2.0~24.0	500	Fixed ADJ	±1%	1.5uA	70	350mV @ Iout=100mA / VOUT=5.0V	EN/OCp/SCP/OTP	SOT-23-5L FBP1*1-4L
FH6242	2.0~24.0	500	Fixed	±1%	1.5uA	70	350mV @ Iout=100mA / VOUT=5.0V	EN/OCp/SCP/OTP	SOT-23 SOT-23-3L SOT-23-5L
FH6301	2.0~30.0	200/400	Fixed ADJ	±2%	2.2uA	70	150mV@100mA (Vout: 5V)	EN/OCp/SCP/OTP	SOT-23-5L FBP1*1-4L
FH6329	2.0 ~ 30.0	250	2.1~12.0	±1%	1.8uA	50	600mV@100mA (Vout: 5V)	LOW IQ / SCP	SOT-23-3L SOT-89-3L
FH6363	2.0 ~ 36.0	200	Fixed	±2%	2.2uA	70	660mV@100mA (Vout: 5V)	EN/OCp/SCP/OTP	SOT-23-5L FBP1*1-4L

Part No.	Vin (V)	Iout (mA)	Vout (V)	Accu	IQ	PSRR (dB)	V _{DROPOUT} (Typ.)	Features	Packaged
FH68401	2.5 ~ 40.0	200	Fixed ADJ	±1%	2.0uA	70	350mV@100mA (Vout: 5V)	EN/OCP/SCP/OTP	SOT-23-5L DFN2*2-6L
FH68402	2.7 ~ 40.0	250	Fixed	±2%	1.5uA	80	400mV@100mA (Vout: 3.3V)	EN/OCP/SCP/OTP	SOT-23-3L SOT-23-5L FBP1*1-4L
FH68403	2.5 ~ 40.0	500	Fixed ADJ	±1%	2.0uA	70	350mV@100mA (Vout: 5V)	EN/OCP/SCP/OTP	SOT-23-5L DFN2*2-6L
FH68601	2.0 ~ 60.0	200	Fixed ADJ	±1%	2.2uA	70	660mV@100mA (Vout: 5V)	EN/OCP/SCP/OTP	SOT-23-5L DFN2*2-6L
FH68201	3.0 ~ 125.0	100	Fixed ADJ	±1%	3.0uA	70	500V @50mA (Vout: 5V)	EN/OCP/SCP/OTP	SOT-23-5L DFN2*2-8L
AMS1117	4.8~20.0	1000	1.25~15.0	±2%	3.0mA	60	1.07V@IOUT=100mA	OTP / OCP	SOT-223 TO-252 SOT-89-3L
AMS1117C	4.8~20.0	800	1.20~5.0 ADJ	±2%	2.0mA	60	1.07V@IOUT=100mA	OTP / OCP	SOT-223 TO-252 SOT-89-3L

Part No.	I _{out} (mA)	V _{in} (V)	V _{out} (V)	Accu	I _Q	PSRR (dB)	Features	Packaged
FH6401	300	2.0~7.0	1.2~5.0	±2%	120	70	EN/High PSRR/SCP	SOT-23-6L

■ EN: Enable Control ■ OCP: Over Current Protection ■ UVLO: Under Voltage Lock Out ■ SCP: Short Circuit Protection ■ OTP: Over Temperature Protection ■ OTP: Over Temperature Protection ■ LOW IQ: Low Quiescent Current
■ DCS: Discharge Shunt

■ **Three Terminal Positive Regulators** | 三端穩壓芯片

Part No.	V _{IN} (V) (max)	Output Voltage (V)	Output Current (A)	Dropout Voltage (V)	Output Accuracy	I _Q (mA) (typ)	Temp Range (°C)	Package
FH78xx	35	12,15,18,24,5,6,8,9	1.5	2	±5%	3	-40 ~ 125	TO-220-3L
FH78Lxx	30	10,12,15,18,24,3.3,5,6,8,9	0.1	1.7	±5%	3	-40 ~ 125	SOT-89-3L
FH78Mxx	35	10,12,15,24,5,6,8,9	0.5	2	±5%	1.5	-40 ~ 125	TO-220-3L
FH79xx	-35	-12,-15,-5,-8	1.5	1.1,1.4	2,4	3	-40 ~ 125	TO-220-3L
FH79Lxx	-30	-12,-15,-5,-8	0.1	1.7	4	6	-40 ~ 125	SOT-89-3L

Part No.:	Vin(V)	Final Vbat (V)	Battery Type	Max.Charge Current	Architecture	Control Interface	NTC Monitor (Y/N)	#of Cells	I _Q	FSW (MHz)	Packaged
FH4053	4.25~6.5	4.20V 3.65V	Li-Ion LiFePO4	1000	Linear	Standalone	Y	1	25uA	N/A	ESOP-8L
FH4056	4.00~8.0	4.20V 4.35V	Li-Ion Li-Polymer	1000	Linear	Standalone	Y	1	55uA	N/A	ESOP-8L DFN2*2-8L
FH4056C	4.25~6.5	4.20V	Li-Ion	1000	Linear	Standalone	N	1	40uA	N/A	ESOP-8L
FH4056H	4.25~30.0	4.20V	Li-Ion	1000	Linear	Standalone	Y	1	50uA	N/A	ESOP-8L DFN2*2-8L
FH4058	4.40~6.0	3.63V (ADJ)	LiFePO4	1100	Linear	Standalone	Y	1	3.0uA	N/A	ESOP-8L
FH4063	4.40~6.0	4.20V (ADJ)	Li-Ion	1100	Linear	Standalone	Y	1	3.0uA	N/A	ESOP-8L
FH4063D	4.40~6.0	4.20V (ADJ)	Li-Ion	1100	Linear	Standalone	Y	1	3.0uA	N/A	DFN3*3-8L
FH4064	4.00~9.0	4.20V 4.35V	Li-Ion Li-Polymer	800	Linear	Standalone	N	1	55uA	N/A	DFN2*2-6L
FH4065	4.25~12.0	4.20V	Li-Ion	500	Linear	Standalone	N	1	40uA	N/A	SOT-23-5L SOT-89-5L
FH4066	3.8~6.0	4.20V	Li-Ion	800	Linear	Standalone	N	1	25uA	N/A	SOP-8L
FH5001	4.25~6.5	4.20V	Li-Ion	300	Linear	Standalone	N	1	25uA	N/A	SOT-23-5L
FH5002	4.25~6.5	4.20V	Li-Ion	700	Linear	Standalone	N	1	25uA	N/A	SOT-23-5L
FH5005	4.25~6.5	4.20V	Li-Ion	500	Linear	Standalone	N	1	25uA	N/A	SOT-23-6L

Part No.:	Vin (V)	Final Vbat (V)	Battery Type	Max.Charge Current	Architecture	Control Interface	NTC Monitor (Y/N)	#of Cells	I _q	FSW (MHz)	Packaged
FH5006	4.25~6.5	4.20V	Li-Ion	100	Linear	Standalone	N	1	25uA	N/A	SOT-553 SOT-23-5L
FH5016	4.25~16.0	4.20V	Li-Ion	120	Linear	Standalone	Y	1	0.25uA	N/A	DFN2*2-8L
FH5057	4.25~40.0	4.20V	Li-Ion	1200	Linear	I2C, Standalone	Y	1	0.40uA	N/A	DFN3*3-10L
FH5101	4.5~6.0	4.35V	Li-Polymer	700	Linear	Standalone	N	1	48uA	N/A	SOT-23-5L
FH5202	4.0~8.0	4.20V	Li-Ion	2000	Switching Buck	Standalone	Y	1	140uA	1.50	SOP-8L MSOP-8L
FH5204	4.7~5.5	4.20V 4.35V	Li-Ion Li-Polymer	2000	Switching Buck	Standalone	Y	1	1uA	1.00	ESOP-8L
FH5205	4.3~6.5	4.20V	Li-Ion	2500	Switching Buck	I2C, Standalone	Y	1	70uA	3.00	ESOP-8L
FH5206	4.3~6.5	4.20V	Li-Ion	2500	Switching Buck	I2C, Standalone	Y	1	70uA	3.00	QFN3*3-16L
FH5207	~12.0V	4.20V/4.35V/3.6V	Li-Ion Li-Polymer LiFePO4	2000	Switching Buck	Standalone	Y	1	80uA	0.80	ESOP-8L QFN4*4-16L
FH5301	4.3~6.5	4.35V	Li-Polymer	2500	Switching Buck	I2C, Standalone	Y	1	70uA	3.00	ESOP-8L
FH5302	4.3~6.5	4.35V	Li-Polymer	2500	Switching Buck	I2C, Standalone	Y	1	70uA	3.00	QFN3*3-16L
FH5304	4.0~6.0	4.20V	Li-Ion	2500	Switching Buck	Standalone	Y	1	20.0uA	0.55	DFN3*3-10L
FH5305	4.6~26.0	4.20V	Li-Ion	2500	Switching Buck	Standalone	Y	1	20.0uA	0.55	DFN3*3-10L

Part No.:	Vin (V)	Final Vbat (V)	Battery Type	Max.Charge Current	Architecture	Control Interface	NTC Monitor (Y/N)	#of Cells	Iq	FSW (MHz)	Packaged
FH5306	4.0~6.0	4.20V	Li-Ion	3000	Switching Buck	Standalone	Y	1	70uA	0.80	ESOP-8L
FH5330	4.0~28.0	ADJ	Li-Ion LiFePO4	25.0W	Switching PFM Boost	Standalone	N	1~5	10uA	1.00	SOT-23-6L
FH5401	7.5~28	8.40V	Li-Ion	5000	Switching Buck	Standalone	Y	2	15uA	0.30	TSSOP-16L
FH5402	6.6~30	ADJ	Li-Ion LiFePO4	4000	Switching Buck	Standalone	Y	2	10uA	0.31	SSOP-10L
FH5403	8.9~20	4.20/8.40/12.6 V	Li-Ion	2000	Switching Buck	Standalone	Y	1~3	10uA	0.50	SOP-8L
FH5404	6.0~20.0	4.2V 8.4V	Li-Ion	2000	Switching Buck	Standalone	Y	2	10uA	0.45	SOP-8L
FH5405	10.0~16.0	8.4V 12.6V	Li-Ion	2000	Switching Buck	Standalone	Y	2/3	6.0uA	0.53	ESOP-8L
FH5406	6.6~ 30.0	12.60V	Li-Ion	4000	Switching Buck	Standalone	N	3	10uA	0.30	SSOP-10L
FH5408	3.0~20.0	12.60V	Li-Ion	1000	Switching Boost	I2C, Standalone	Y	3	2.3uA	0.65	QFN4*4-16L
FH5410	8.5~16.0	8.40V	Li-Ion	750	Linear	Standalone	N	2	25uA	N/A	SOT-23-6L
FH5411	9.2~13.0	8.40V	Li-Ion	1000	Linear	I2C, Standalone	Y	2	0.26mA	N/A	SOP-8L
FH5411A	8.9~20.0	8.40V	Li-Ion	1500	Linear	Standalone	Y	2	20.0uA	N/A	SOP-8L
FH5412	2.7~6.5	8.40V	Li-Ion	4000	Switching PFM Boost	Standalone	N	2	14.0uA	1.00	SOP-8L

Part No.:	Vin (V)	Final Vbat (V)	Battery Type	Max.Charge Current	Architecture	Control Interface	NTC Monitor (Y/N)	#of Cells	Iq	FSW (MHz)	Packaged
FH5413	2.7~6.5	16.80V	Li-Ion	3000	Switching PFM Boost	Standalone	Y	4	18.0A	1.00	SOP-8L
FH5465	6.6~30.0	ADJ	Li-Ion LiFePO4	4000	Switching Buck	Standalone	N	1~5	10.0uA	0.31	SSOP-10L
FH5486	4.7~24.0	4.20/4.35/8.40 /12.6V	Li-Ion	2000	Switching Buck	Standalone	Y	1~3	3.0uA	0.45	ESOP-8L
FH56963	3.9~13.5	3.856~4.624	Li-Ion Li-Polymer	3000	Switching Buck/Boost	I2C, OTG, NVDC	Y	1	26uA	1.50	QFN4*4~24L
FH56954	3.9~13.5	4.2/4.35/4.4	Li-Ion Li-Polymer	3000	Switching Buck/Boost	I2C, OTG, NVDC	Y	1	26uA	1.50	QFN4*4~24L
FH53600	2.7~6.5	1.46V	LiFePO4	1190	Switching PFM Buck	I2C, Standalone	N	1	6.0uA	0.50	ESOP-8L
FH53601	2.7~6.5	1.90V	LiFePO4	1190	Switching PFM Buck	I2C, Standalone	Y	1	6.0uA	0.50	SSOP-10L
FH53085	3.8~6.5	3.20V	LiFePO4	1000	Linear	Standalone	Y	4	3.0uA	N/A	ESOP-8L
FH53387	2.7~6.5	18.0V	LiFePO4	35.0W	Switching PFM Boost	I2C, Standalone	N	4~12	5.8uA	1.00	SSOP-10L
FH53125	2.7~6.0	ADJ	SuperCap	1500	Linear	Standalone (RC-Settable)	N	1~2	3.0uA	N/A	ESOP-8L

Part No. 型号	V _{OC} P (V) 过充检测电压	V _{OC} R (V) 过充恢复电压	V _{OD} P (V) 过放检测电压	V _{OD} R (V) 过放恢复电压	I _{OV} 1 过放检测电流	I _{out} Max. 持续放电电流	V _{OI} (mV) 过流检测精度	#of Cell 电池数量	0V Changing 0V充电功能	Shutdown Current 静态电流	R _{ss} on (mΩ) 內阻	Temp Range (°C) 工作温度	Package 封装形式
FH7002	3.500 ~ 4.500	3.400 ~ 4.000	1.800 ~ 2.200	1.800 ~ 2.400	/	/	15	1	Y	0.7uA	/	-40 ~ +85	SOT-23-6L
FH7003	4.280	4.080	2.750	2.500	3.0A	2.0A	150	1	Y	0.7uA	49	-40 ~ +85	SOT-23-5L
FH7022A	4.300	4.100	2.400	3.000	1.0A	0.5A	50	1	Y	0.7uA	50	-40 ~ +85	SOT-23-3L
FH7022B	4.425	4.100	2.400	3.000	1.0A	0.5A	50	1	Y	0.7uA	50	-40 ~ +85	SOT-23-3L
FH7022	4.300	4.100	2.400	3.000	3.0A	2.1A	50	1	Y	0.7uA	50	-40 ~ +85	SOT-23-3L
FH7009	4.350	4.150	2.400	3.000	1.0A	2.0A	22	1	Y	0.1uA	40	-40 ~ +85	DFN2*2-6L
FH7010	4.300	4.100	2.400	3.000	1.0A	1.0A	28	1	Y	0.1uA	50	-40 ~ +85	DFN2*2-6L
FH7019	4.300	4.100	2.400	3.000	9.0A	4.5A	50	1	Y	0.7uA	12	-40 ~ +85	DFN3*3-10L
FH7020	4.300	4.100	2.400	3.000	13.0A	8.0A	25	1	Y	0.7uA	12	-40 ~ +85	DFN3*3-10L
FH7088	4.300	4.100	2.400	3.000	16.0A	8.0A	20	1	Y	0.7uA	5.5	-40 ~ +85	ESOP-8L
FH7089	4.300 4.250	4.100 4.250	2.400 2.900	3.000	8.5A	4.0A	50	1	Y	0.7uA	20	-40 ~ +85	ESOP-8L
FH7110	4.200~4.550	4.200~4.550	2.4~3.0	2.4~3.0	0.66 ~ 1.33A	1.2A	50	1	Y	0.1uA	56	-40 ~ +85	DFN1.5*2-6L
FH7202	3.500~4.400	3.200~4.300	2.0~2.9	2.5~3.0	/	/	15	2	Y	0.1uA	40	-40 ~ +85	SOT-23-6L
FH7214	3.650~4.425	3.450~4.225	2.1~2.5	2.5~3.0	/	/	20	2	Y	0.1uA	40	-40 ~ +85	SOT-23-6L
FH7300	3.500~4.400	3.470~4.050	2.32~2.70	2.58~3.00	/	/	15	3	/	4.0uA	30	-40 ~ +85	SOP-8L

■ Battery Balance IC | 電池充電平衡晶片

Part No.	VDD	Overcharge Detection Voltage VCU	Overcharge Release Voltage VCR	Overcharge Detection Delay Time TOC	Operation Temperature Range	Packaged
FH52213	1.5~8.0V	4.00~4.50V	3.80~4.50V	250ms	-40°C~ +85°C	SOT-23-6L
FH53341	1.5~8.0V	4.18~4.22V	4.16~4.21V	220ms	-40°C~ +85°C	SOT-23-5L

■ Battery Indication IC | 電池電量計晶片

Part No.	Cell chemistry	#of Cells	Voltage Detection Accuracy	Communication interface	Battery capacity (Max)(mAh)	Implementation	External capacity indication	I _Q	Operating Temperature range	Package
FH5060	Li-Ion/Li-Polymer	Single Cell	±1%	I/O	/	Pack, System	LED	10.0uA	-20 ~ 85°C	SOT-23-6L

■ Charger Pump | 電荷泵式升壓器

Part No.	Vin	Vout	Regulated	Iout	I _{SHDN}	Eff.	Frequency	CH	SHDN	Package
FH3200	1.8~5.5V	5.0V	±4%	120	1.0uA	92%	750KHz	1	Y	SOT-23-6L
FH3200A	1.8~5.5V	5.0V	±3%	250	1.0uA	78%	360KHz	1	Y	SOT-23-6L
FH4004A	2.7~5.0V	5.0V 3.3V	±2.5%	350mA	1.0uA	81%	360KHz	1	Y	SOT-23-6L
FH4004C	1.8~5.0V	3.3V	±4%	250mA	1.0uA	83%	1200KHz	1	Y	SOT-23-6L
FH4004D	2.5~5.0V	ADJ (2.5~5.0V)	-	350mA	1.0uA	85%	400KHz	1	Y	TSOT-23-6L

Part Number	Vin(V)	Operating Current	Crystal frequency	Operating clock frequency (Max.)	RAM	Interface	Temp Range	Packaged Type
FH8563	1.8~5.5	0.80mA	32.768KHz	400KHz	16*8	IIC	-45 ~ 85(°C)	SOP-8L MSOP-8L
FH85163	1.0~5.5	0.80mA	32.768KHz	400KHz	16*8	IIC	-45 ~ 85(°C)	SOP-8L TSSOP-8L MSOP-8L
FH1302	1.3~5.5	1.20mA	32.768KHz	2.0MHz	31*8	Serial 3-Wire	-45 ~ 85(°C)	SOP-8L
FH1307	4.5~5.5	0.20mA	32.768KHz	100KHz	56*8	IIC	-45 ~ 85(°C)	SOP-8L
FH1381	2.0~5.5	0.30mA	32.768KHz	2.0MHz	31*8	Serial 3-Wire	-45 ~ 85(°C)	SOP-8L ESOP-8L
NE555	~18.0	40uA	f =0.7/RC	1.0MHz	/	CMOS/TTL	-45 ~ 85(°C)	SOP-8L

Part NO.	Voltage Range (V)	VM (V)	Output Current (A)	Rdson (HS+LS) (mΩ)	Control Interface	Built-in Charge Pump	Operating temperature range (°C)	Packaged
FH8118	2.7~7.2	2.7~7.2	1.4	550	1*PWM	No	-20.0~85.0	SOT23-6L
FH8118S	2.4~7.2	2.7~7.2	1.8	530	1*PWM	No	-20.0~85.0	SOP-8L
FH83131	1.8~6.0	1.8~6.0	1.2	480	1*PWM	No	-40.0~85.0	SOT-23-6L
FH8351	1.8~6.0	1.8~6.0	1.2	480	2*PWM	No	-40~85.0	SOT-23-6L DFN2*2-8L
FH8208	4.5~15.0	2.4~7.2	1.5	530	1*PWM	No	-20.0~85.0	SOP-8L
FH8209	1.8~12.0	1.8~7.0	1.5	650	1*PWM	Yes	-20.0~85.0	SOP-8L
FH8837A	1.5~5.5	1.5~12.0	1.2	285	1*PWM	Yes	-40.0~85.0	SOP-8L DFN2*2-8L
FH8837B	1.5~5.5	1.5~12.0	1.8	285	1*PWM	Yes	-40.0~85.0	DFN2*2-8L
FH8838	2.0~7.0	1.8~12.0	1	520	1*PWM	Yes	-40.0~85.0	DFN2*2-8L
FH8870	6.8~45.0	6.8~45.0	1.5	660	2*PWM	Yes	-40.0~85.0	ESOP-8L
FH8871	6.5~45.0	6.5~45.0	3.6	565	2*PWM	Yes	-40.0~85.0	ESOP-8L
FH8872	3.0~25.0	n/a	4.2	91	1*PWM	No	-25.0~85.0	SOP-8L

Part No.	Vin Range (V)	Vout (V) (max)	Isw Limit (mA)	FOSC	LED Num.	Shutdown Current (uA)	V _{FB}	Topology	Dimming Control	Temp Range (°C)	Package
FH2120	3.0~6.0	~26.0	2500	1.2MHz	17*3	1.0uA	0.20V	Boost	PWM	-40 ~ 85°C	SOT-23-6L
FH2121	2.0~6.0	2.0~6.0	800	1.4MHz	1	1.0uA	0.10V	Buck	PWM/PFM	-40 ~ 85°C	SOT-23-5L
FH2121B	2.5~5.5	2.5~5.5	1200	1.5MHz	1	1.0uA	0.10V	Buck	PWM/PFM	-40 ~ 85°C	SOT-23-5L
FH2122	2.5~5.5	~30.0V	1600	1.1MHz	8	3.0uA	0.25V	Boost	PWM	-40 ~ 85°C	TSOT-23-6L SOT-23-6L
FH2124	2.5~5.5	~30.0V	1000	1.1MHz	3*13	3.0uA	0.20V	Boost	PWM	-40 ~ 85°C	TSOT-23-6L SOT-23-6L
FH2125	3.0~24.0	~28.0	2000	1.2MHz	7	1.0uA	0.20V	Boost	PWM	-40 ~ 85°C	SOT-23-6L
FH2127	2.5~5.5	~40.0V	1600	1.2MHz	10	1.0uA	0.10V	Boost	PFM/PWM	-40 ~ 85°C	SOT-23-5L
FH2128	2.5~5.5	~30.0V	600	1.2MHz	5	0.1uA	1.23V	Boost	PWM	-40 ~ 85°C	SOT-23-5L
FH2129	2.7~5.5	~38.0V	1500	1.1MHz	1*10	0.1uA	0.20V	Boost	PWM	-40 ~ 85°C	TSOT-23-6L SOT-23-6L
FH2130	2.0~6.0	~24.0V	1600	3.0MHz	4*10	1.0uA	0.20V	Boost	PWM	-40 ~ 85°C	SOT-23-6L
FH2305B	0.8~5.5	~24.0	2500	700KHz	3*8	76uA	0.46V	Boost	PWM	-35~ 130°C	SOT-23-6L
FH5361	2.8~5.5	~42.0V	1650	0.85MHz	3*13	0.1uA	0.20V	Boost	PWM	-40 ~ 85°C	DFN2*2-6L

Part No.	Vin Range (V)	Vout (V)(max)	I _{sw} Limit (mA)	FOSC	LED Num.	Shutdown Current (uA)	V _{FB}	Topology	Dimming Control	Temp Range (°C)	Package
FH5661	2.7~5.5	~37.0V	1300	1.1MHz	3*13	0.1uA	0.20V	Boost	PWM	-40 ~ 85°C	SOT-23-6L DFN2*2-6E
FH5662	2.7~5.5	~37.0V	1300	1.1MHz	3*13	0.1uA	0.30V	Boost	PWM	-40 ~ 85°C	SOT-23-6L TSOT-23-6L DFN2*2-6L
FH5669	2.8~30.0	~30.0V	4000	20K~1.0MHz	8	10.0uA	0.20V	Boost	PWM	-40 ~ 85°C	DFN3*3-10L

Part No.	Vin (V)	Iout (mA)	FOSC	LED Num.	Shutdown Current (uA)	Light Control	Topology	Temp Range (°C)	Package
FH2305	3.6~100.0	1000	1.0MHz	~	200uA	PWM Dimming	Boost	-20 ~ 85°C	SOP-8L
FH2700	3.2~60.0	6000	1.0MHz	~	200uA	PWM Dimming	Boost	-20 ~ 85°C	ESOP-8L
FH29910	10.0~600.0	1000	300kHz	~	500uA	PWM Dimming	Buck/Boost	-40 ~ 85°C	SOP-8L
FH7136	2.7~7.0	3000	~	~	80uA	PWM Dimming	Linear	-20 ~ 85°C	SOT-89-5L
FH7138	2.7~7.0	3000	~	~	60uA	PWM Dimming	Linear	-20 ~ 85°C	SOT-89-5L SOT-23-5L
FH2221	2.0~5.0	300	40KHz	~	1.0uA	PWM Dimming	Linear	-40 ~ 85°C	SOT-23-6L

Part No.	Drivers per package	Switching voltage (Max)(V)	Output voltage (Max)(V)	Peak output current (mA)	Delay time (Typ)(ns)	Input compatibility	Vol @ lowest spec current (Typ)(mV)	Iout/ch (Max)(mA)	Iout_off (Typ)(uA)	I _{max} (A)	FET	Operating temperature range (°C)	Package
ULN2803A	8	50	50	500	130	CMOS, TTL	900	500	50	0.5	Internal	-30 to 105	SOP-18L
ULN2003AI	7	50	50	500	250	CMOS, TTL	900	500	50	0.5	Internal	-30 to 105	SOP-16L TSSOP-16L
ULN2003A	7	50	50	500	250	CMOS, TTL	900	500	50	0.5	Internal	-40 to 85	SOP-16L TSSOP-16L
ULN2004A	7	50	50	500	250	CMOS	900	500	50	0.5	Internal	-40 to 85	SOP-16L TSSOP-16L

Part No.	Vin Range	Max. Resolution Segment × Comm	LCD Voltage	Bias	Gray Scale	Serial Data	Built-in OSC.	Ext. Crystal	Temp Range (°C)	Package
HT1620	2.4V~3.3V	32×4, 32×3, 32×2	3/2V _{DD}	1/2, 1/3	--	1	--	√	-40~85	LQFP-64L
HT1621	2.4V~5.2V	32×4, 32×3, 32×2	≤V _{DD}	1/2, 1/3	--	1	√	√	-40~85	LQFP-44L SSOP-48L LQFP-48L
HT1622	2.7V~5.2V	32×8	≤V _{DD}	1/4	--	1	√	--	-40~85	LQFP-44L LQFP-64L
HT1623	2.5V~5.5V	35x8	2.5V~5.5V	1/4	--	2	√	√	-40~85	TSSOP-48L LQFP-48L
HT1624	2.5V~5.5V	36x4	2.5V~5.5V	1/3	--	2	√	√	-40~85	TSSOP-48L
HT1625	2.5V~5.5V	40x4	2.5V~5.5V	1/2, 1/3	--	2	--	--	-40~85	LQFP-64L

Part No.	Vin (V)	V _{DET}	Accu	I _Q	Output Type	Delay Time	Packaged
FH2800	0.7~8.0	1.5~7.0	±1%	4.0uA	NMOS CMOS	N	SOT-23-5L SOT-353
FH2801	0.7~7.0	1.5~6.0	±2%	2.0uA	NMOS CMOS	N	SOT-23-3L
FH2802	0.7~7.0	1.5~5.0	±2%	2.0uA	NMOS CMOS	1ms~50ms 50ms~200ms 80ms~400ms	SOT-23-3L SOT-89-3L
FH2803	0.7~7.0	1.5~5.0	±2%	1.5uA	NMOS	1ms~50ms 50ms~200ms 80ms~400ms	SOT-143
FH2805	0.7~7.0	1.0~6.5	±1%	0.9uA	CMOS	200ms	SOT-23-3L
FH2806	0.7~7.0	1.0~6.5	±1%	0.9uA	NMOS	200ms	SOT-23-3L
FH2807	0.7~7.0	1.0~7.0	±1%	0.6uA	CMOS	Adjustable	SOT-23-5L
FH2808	0.7~7.0	1.0~7.0	±1%	0.6uA	NMOS	Adjustable	SOT-23-5L
FH2816	-0.3~22.0	2.0~7.0	±2.4%	3.0uA	NMOS CMOS	N	SOT-23-3L SOT-89-3L
FH2817	1.5~18.0	2.0~7.0	±1%	1.8uA	CMOS	N	SOT-23-3L SOT-89-3L
FH2818	1.5~18.0	2.0~7.0	±1%	1.8uA	NMOS	N	SOT-23-3L SOT-89-3L

Part No.	Vcc (V)	Vout (V)	Reset active Low or High	Delay	Output Type	I _Q / I _{DIS}	Recommend	Function Brief (Chs.)	Packaged
FH8003	1.15~6.00	2.63V / 2.93V	Low	140ms(Typ.)	Open Drain	3.2uA	Voltage Monitor	精确的复位阈值: ±2.5% 漏极开路输出 最小140ms的复位脉冲宽度	SOT-23-3L
FH8009	0.70~6.00	4.63V / 4.38V / 4.00V / 3.08V 2.93V / 2.63V / 2.30V	Low	140ms(Typ.)	CMOS	3.2uA	Voltage Monitor	精确的复位阈值: ±2.5%、±1% 漏极开路输出/COMS输出 最小140ms的复位脉冲宽度	SOT-23L SOT-23-3L
FH8010	0.70~6.00	4.63V / 4.38V / 4.00V / 3.08V 2.93V / 2.63V / 2.30V	High	140ms(Typ.)	CMOS	3.2uA	Voltage Monitor	精确的复位阈值: ±2.5%、±1% 漏极开路输出/COMS输出 最小140ms的复位脉冲宽度	SOT-23L SOT-23-3L
FH8011	0.70~6.00	4.63V / 4.38V / 4.00V / 3.08V 2.93V / 2.63V / 2.30V	High	140ms(Typ.)	TTL / COMS	3.2uA	Voltage Monitor	手动复位功能 精确的复位阈值: ±2.0% 最小140ms的复位脉冲宽度	SOT-143-4L
FH705	1.15~6.00	4.65V	Low	200ms (Typ.)	TTL / COMS	50.0uA	Voltage Monitor	内置看门狗电路 手动复位功能 低电压比较器	SOP-8L
FH706	1.15~6.00	4.40V / 4.00V / 3.08V / 2.93V / 2.63V	Low	200ms (Typ.)	TTL / COMS	50.0uA	Voltage Monitor	内置看门狗电路 手动复位功能 低电压比较器	SOP-8L
FH707	1.15~6.00	4.65V	Low / High	200ms (Typ.)	TTL / COMS	30.0uA	Voltage Monitor	手动复位功能 低电压比较器	SOP-8L
FH708	1.15~6.00	4.40V / 4.00V / 3.08V / 2.93V / 2.63V	Low / High	200ms (Typ.)	TTL / COMS	30.0uA	Voltage Monitor	手动复位功能 低电压比较器	SOP-8L
FH813	1.15~6.00	4.65V / 4.40V / 4.00V / 3.08V / 2.93V / 2.63V	High	200ms (Typ.)	TTL / COMS	50.0uA	Voltage Monitor	内置看门狗电路 手动复位功能 低电压比较器	SOP-8L

Part No.	V _{KA}	I _{KA}	V _{REF}	Voltage Tolerance	Temp Range (°C)	Packaged
FH431	40V	100mA	2.5V	±0.4%	-40°C~ +85°C	SOT-23-3L
FH432	8V	100mA	2.5V	±1%	-40°C~ +85°C	SOT-23-3L
FH431A	36V	100mV	2.5V	±0.5%	-40°C~ +85°C	SOT-23-3L
FH432A	18V	100mV	1.25V	±0.5%	-40°C~ +85°C	SOT-23-3L

Part No.	Translators per Package	Data Rate (Mbps)	V _{CCA} Range (V)	V _{CCB} Range (V)	Bidirectional	V _{CC} Shutdown I/O State	Shutdown Icc Max (uA)	Logic Output	Features	Package
VLT0102	2	24/2	1.65~5.5	2.3~5.5	Yes	Hi-Z	5.50	Open-Drain/Push-Pull	GPIO Level Shifter	SOT-23-8L TDFN-1.4x1-8L VSSOP-8L
VLT0104	4	24/2	1.65~5.5	2.3~5.5	Yes	Hi-Z	1.00	Open-Drain/Push-Pull	GPIO Level Shifter	TSSOP-14 QFN2x2-12L QFN3.5x3.5-14L
VLT0204	4	100	1.2~5.5	1.65~5.5	Yes	Hi-Z	1.00	Push-Pull	GPIO Level Shifter	TSSOP-14L QFN2x2-12L QFN3.5x3.5-14L

Part No.	Vin Range (V)	Description	Switch Rdson (mΩ)	Response Time	Peak Current (A)	OVP trig (V)	Soft-start	Package	Comment
FH87008	2.00~36.00	36V/34mΩ high side over voltega protector	34	100nS	4.00	0.50	Yes	SOT-23-6L DFN2*2-6L	OVP level adjustable, Fast response time
FH87014	3.35~36.00	36V/35mΩ high side over voltega protector	35	100nS	5.00	1.26	Yes	SOT-23-6L	OVP level adjustable, Fast response time
FH87016	3.35~36.00	36V/33mΩ high side over voltega protector w.500V 7V TVS	33	100nS	4.00	6.10	Yes	DFN3*3-12L	OVP level adjustable, Fast response time
FH87018	5.00~20.00	20V/12mΩ low side over voltega protector	12	100nS	4.00	0.50	Yes	SOT-23-6L	OVP level adjustable, Fast response time
FH87028	3.60~36.00	36V/30mΩ low side over voltega protector	30	68nS	4.00	1.27	Yes	SOT-23-6L	OVP level adjustable, Fast response time
FH87240	2.70~18.00	18V/50mΩ prevent output from high voltage damage	50	Floating	4.00	Fix_19.10	Yes	SOT-23-5L	OVP threshold 19.1V, Output Auto Discharge
FH87241	2.70~18.00	18V/60mΩ 5.7V output voltage clamp	60	Floating	4.50	5.70	Yes	SOT-23-5L	18.3V Input Voltage OVP, Output Auto Discharge
FH87043	3.50~30.00	30V/2A OVP+OCP	130	70ns	0.50	Fix_6.15	Yes	DFN2*2-8L	Li+ Charger Front-End Protection IC With OVP, OCP and NTC
FH87402	2.70~38.00	38V/1.2A/Rds(on): 150mΩ OVP+OCP	150	100nS	1.70	Fix_6.65	Yes	DFN1.6*1.6-6L	6.6V typical OVP threshold and 100ns fast OVP response time.
FH879xx	~29.0	Over-Voltage Protection Load Switch	30.7	50ns	8.00	5.95/6.2/6.8	Yes	QFN1.8*1.3-12L	OVP 5.95V/6.2V/6.8V/9.98V/10.5V and 14V, adjusted 4V~20V OVLO
FH87334	2.5~30.0	30V/2A High Side Over Voltage Protector	110	100nS	2.00	6.00	Yes	SOT-23-6L SOT-23-3L	OVP IC, 2.5~40V, OVP fixed 6.1V, 1.5A
FH86121	4.00~20.00	32V/30mΩ high side over voltega protector	30	100nS	5.50	FIX_6.9	NA	CSP3*4-12L	OVP level adjustable, Fast response time

Part No.	Vin (V)	Current Limit (A)	Output Revers	Channel	I _Q (uA)	EN logic	Soft-Start	Ron (mΩ)	Temp Range (°C)	Package	SPQ
FH8097	2.2~6.0	1.30	No	1	23.00	H	Y	100	-40°C~ +85°C	SOT-23-5L	3000EA
FH8221 FH8222	2.5~5.5	ADJ (0.4~2.0)	Yes	1	15.00	H/L	Y	80	-40°C~ +85°C	SOT-23-5L	3000EA
FH8208	2.0~5.5	2.1 3.5	No	1	40.00	H	Y	70	-40°C~ +85°C	SOT-23-5L	3000EA
FH8260	2.5~5.5	ADJ (0.3~3.5)	Yes	1	30.00	H	Y	60	-40°C~ +125°C	DFN2x2-6L	3000EA

Part No.	Vin (V)	Average Current (uA)	Circuit type	Output Form	Magnetic Characteristics	Temp Range (°C)	Package
FH8915	1.65~6.0	3.00	Omnipolar	NMOS	Bops=1.5mT,Bopn=-1.5mT, Brps=1.1mT,Brpn=-1.1mT	-40 ~ 85	SOT-23-3L TSOT-23-L
FH8913	1.65~6.0	3.00	Omnipolar	NMOS	Bops=3.5mT,Bopn=-3.0mT, Brps=3.7mT,Brpn=-2.6mT	-40 ~ 85	SOT-23-3L TSOT-23-3L DFN2*2-3L
FH8912	2.4~5.5	4.00	Omnipolar	CMOS NMOS	Bops=3.5mT,Bopn=-3.0mT, Brps=3.7mT,Brpn=-2.6mT	-40 ~ 85	SOT-23-3L
FH8911	3.8~35	10.00	Switch	NMOS	Bops=0.6mT,Bopn=-1.85mT, Brp=1.5mT	-40 ~ 125	SOT-23-3L

■ **CMOS Logical Circuit** CMOS邏輯電路

Part No.	Voltage Range	Function	Group	Symbol	Iq	Tpd	Temp Range (°C)	Packaged
FH74SZ08	1.2V ~ 6.0V	2-input CMOS and Gate	SZ	AND2	1.0uA	2.6ns (TYP.)	-40 ~ +85	SOT-353
FH74SZ04	1.2V ~ 6.0V	CMOS inverter	SZ	INV	1.0uA	2.6ns (TYP.)	-40 ~ +85	SOT-353

■ **Standard Logics Circuit** 标准逻辑电路

Part Number	V _{CC Min} (V)	V _{CC Max} (V)	Number of Gates	Family	tpd max@ (1.5V)	tpd max @ 1.8V (ns)	tpd max @ 2.5V (ns)	tpd max @ 3.3V (ns)	tpd max @ 5.0V (ns)	Input/ Output Current	Function/ Description	Output Type	Packages
FH74HC00	2.00	6.00	4	HC			90		18	4	QUAD 2 Input NAND Gate	Push-Pull	SOP-14L
FH74HC04	2.00	6.00	4	HC			90		18	4	HEX 1 Input Inverter	Push-Pull	SOP-14L
FH74HC05	2.00	6.00	6	HC			90		18	4	HEX 1 Input Inverter	Open-Drain	SOP-14L
FH74HC08	2.00	6.00	4	HC			90		18	4	QUAD 2 Input AND Gate	Push-Pull	SOP-14L
FH74HC125	2.00	6.00	4	HC			100		20	4	QUAD 2 Input 3-State Buffer OE Low	3-State	SOP-14L
FH74HC126	2.00	6.00	4	HC			100		20	4	QUAD 2 Input 3-State Buffer OE High	3-State	SOP-14L
FH74HC138	2.00	6.00		HC			190		38	4	3-to-8 Line Decoder Demultiplexer	Push-Pull	SOP-16L TSSOP-16L
FH74HC14	2.00	6.00	6	HC			125		25	4	HEX 1 Input Schmitt Trigger Inverter	Push-Pull	SOP-14L
FH74HC164	2.00	6.00	4	HC			170		12	4	8-Bit Shift Register		SOP-14L
FH74HC32	2.00	6.00	4	HC			90		18	4	QUAD 2 Input OR Gate	Push-Pull	SOP-14L
FH74HC245	3.00	6.00		HC					13				SOP-20L
FH74HC595	2.00	6.00		HC			220		44	4	8-Bit Shift Register 8-Bit Output Register	Push-Pull	SOP-16L

Part No.	Description	Architecture	Resolution	Update Rate (SPS)	Input configuration	Interface	SNR	VDDspan	Icc	Temperature Range (°C)	Package
FH1808	96kHz,24bit audio ADC	Σ-Δ	24bit	8kHz ~ 96kHz	2CH single-ended input	24-bit left justified / I2S	99dB	2.7V ~ 3.6V(DVDD) 4.5V ~ 5.5V(AVDD)	2mA(DVDD) 10mA(AVDD)	-40 ~ 85°C	TSSOP-14L
FH5340	192kHz,24bit audio ADC	Σ-Δ	24bit	8kHz ~ 192kHz	2CH single-ended input	24-bit left justified / I2S	96dB	3.0V ~ 3.6V(DVDD) 3.0V ~ 3.6V(AVDD)	2mA (DVDD) 10mA (AVDD)	-40 ~ 85°C	TSSOP-16L
FH17606	8 Channel 16bits 200KS/s Simultaneous Sampling DAS	Σ-Δ	16bit	2kHz ~ 20kHz	8CH / 6CH / 4CH	16-bit SPI/QSPI/MICROWIRE/DSP	88.0dB	±10.0V(AVDD) ±5.0V(DVDD)	2.6uA (AVDD) 35mA(DVDD)	-40°C~125°C	LQFP12*12-64L

Part No.	Description	Architecture	Resolution	Signal frequencies	Ouput configuration	Interface	Vcc span	Icc	Package
FH54344	24bit, 192KHz Dual channel audio DAC circuit	Δ-Σ	24bit	8KHz-192KHz	2-Channel	I2S	2.7V~5.5V	20mA	MSOP-10L

Part No.	Supply Voltage (V)	Interface	Data Rate (kbps)	No. of Rx.	No.of Tx.	Temp Range	Package
RS232	4.5~5.5	RS232	120	2	2	-40 to +85(°C)	SOP-16L
RS3232	3.0~5.5	RS232	470	2	2	-40 to +85(°C)	SOP-16L TSSOP-16L
RS3122	1.8 / 3.0~5.5	RS232	1000	2	2	-40 to +125(°C)	QFN-24L
RS721	10.8~42.0	M-Bus	300 ~9600bps	2	2	-25 to +85(°C) -40 ~ 100(°C)	SOP-16L
RS726	22.0~42.0	M-Bus	300 ~9600bps	1	1	-25 to +85(°C)	ESOP-8L

Part No.	Supply Voltage (V)	Interface	Data Rate (kbps)	DUPLEX	No. of Tx.	No. of Rx.	Bus Nodes	Bus-Polarity Correcting	Temp Range	Package
RS485	3.0~5.5	RS485/RS422	0.25	Half	1	1	256	YES	-40 to +85(°C)	SOP-8L
RS485N	4.5~5.5	RS485/RS422	0.50	Half	1	1	256	YES	-40 to +85(°C)	SOP-8L
RS487	3.0~5.5	RS485/RS422	0.50	Half	1	1	256	NO	-40 to +85(°C)	SOP-8L
RS487N	3.0~5.5	RS485/RS422	20.00	Half	1	1	256	NO	-40 to +85(°C)	SOP-8L
RS3085	3.0~5.5	RS485/RS422	10.00	Half	1	1	256	NO	-40 to +85(°C)	SOP-8L
RS75176	3.0~5.5	RS485/RS422	5	Half	1	1	128	NO	-40 to +85(°C)	SOP-8L DFN-8L
RS75176N	3.0~5.5	RS485/RS422	10	Half	1	1	128	NO	-40 to +85(°C)	SOP-8L DFN-8L

Part No.	Keys	VDD	Operating current	Output Type	Maxium ON Time	Power on/ reflash Time	Sensing Method	LDO Built	Temp Range	Package
FH8223	Single	2.4~5.5	1.5uA	CMOS	45ms	0.5 / 4 sec	Self Capacitance	Y	-20 ~ 85(°C)	SOT-23-6L
FH8233	Single	2.4~5.5	1.5uA	CMOS	16ms	0.5 / 4 sec	Self Capacitance	Y	0 ~ 85(°C)	SOT-23-6L
FH8323	Single	2.0~5.5	1.5uA	CMOS	16ms	0.5 / 4 sec	Self Capacitance	Y	0 ~ 70(°C)	DFN2*2-6L
FH8323Q	Single	2.4~5.5	3.5uA	CMOS	16ms	0.5 / 4 sec	Self Capacitance	Y	-20 ~ 85(°C)	DFN2*2-6L
FH8224	4/3/2	2.4~5.5	2.5uA	CMOS/ NMOS	60ms	0.5 / 4 sec	Self Capacitance	Y	-40 ~ 85(°C)	SOP-16L SOP-8L
FH8225	6	2.5~5.5	23.0uA	CMOS/OD	32ms	0.5 / 80 sec	Self Capacitance	Y	0 ~ 70(°C)	SOP-16L
FH8226	Single	2.0~5.5	3.0uA	PWM	0	0.5 / 4 sec	Self Capacitance	Y	0 ~ 70(°C)	SOT-23-6L SOP-8L

Part No.	Supply Voltage (V)	CH.	GBW (Typ)(MHz)	Ron (Max)(Ohm)	Iq (Max)(uA)	Switch configuration	Temp Range	Package
FH3157	1.80~5.50	1	100	2.00	0.30	SPDT	-40~125(°C)	SC70-6L
FH4157	1.65~5.50	1	100	1.15	0.30	SPDT	-40~125(°C)	SC70-6L
FH4222	1.65~4.50	2	250	4.50	1.00	DPDT	-40 ~ +85(°C)	MSOP-10L
FH2103	1.80~5.50	1	30	0.60	1.00	SPDT	-40~125(°C)	SC70-6L SOT-23-6L
FH2057	1.80~5.50	1	300	4.50	1.00	SPDT	-40~125(°C)	SC70-6L SOT-23-6L
FH2117	2.50~5.50	2	400	4.00	0.15	SPDT	-40 ~ +85(°C)	QFN1.4*1.8-10L
FH2118	2.50~5.50	2	80	0.80	0.15	SPDT	-40 ~ +85(°C)	QFN-1.4*1.8-10L
FH2257	1.80~5.50	1	30	0.60	1.00	SPDT	-40~125(°C)	SC70-6L SOT-23-6L
FH2299	1.80~5.50	4	300	4.50	1.00	SPDT	-40~125(°C)	QFN3*3-16L

Part No.	VDD (V)	CH	Iq (uA)	GBW (Typ)(MHz)	Slew Rate (Typ)(V/us)	Rail-Rail In / Out	Vos (offset voltage) (mV)	Offset Drift (Typ)(uV/C)	Temp Range (°C)	Packaged
LM358	3.0~36.0	2	200	1.20	0.55	Yes	3.00	1.00	-40 ~ +85	SOP-8L MSOP-8L
LMV358	2.5~5.5	2	130	1.00	0.70	Yes	4.00	2.00	-40 ~ +85	SOP-8L MSOP-8L
LM321	3.0~32.0	1	200	1.00	0.55	Yes	3.00	1.00	-40 ~ +85	SOT-23-5L
LMV321	2.5~5.5	1	60	1.20	0.50	Yes	4.00	2.00	-40 ~ +85	SC70-5 SOT-23-5L
LM324	3.0~36.0	4	200	1.20	0.55	Yes	3.00	1.00	-40 ~ +85	SOP-14L TSSOP-14L
LMV324	2.5~5.5	4	130	1.00	0.70	Yes	4.00	2.00	-40 ~ +85	SOP-14L TSSOP-14L
LM124	5.0~32.0	4	170	1.20	0.50	No	5.00	/	-40 ~ +85	SOP-14L
LM224	3.0~32.0	4	/	1.20	0.50	No	5.00	/	-40 ~ +85	SOP-14L
LM258	4.0~32.0	2	50	1.00	0.30	No	7.00	7.00	-40 ~ +85	SOP-8L
LMV2191	1.8~6.0	1	0.9	0.018	0.01	Yes	0.60	0.40	-40 ~ +85	SC70-5 SOT-23-5L
LM2902	3.0~36.0	4	200	1.20	0.55	Yes	3.00	1.00	-40 ~ +85	SOP-14L TSSOP-14L
LM2904	3.0~36.0	2	200	1.20	0.55	Yes	3.00	1.00	-40 ~ +85	SOP-8L MSOP-8L
FH2336	2.5~5.5	1	930	1.53	0.90	Yes	0.02	0.02	-40 ~ +85	SOT-23-5L
FH2335	2.5~5.5	2	465	1.53	0.90	Yes	0.02	0.02	-40 ~ +85	SOP-8L MSOP-8L

Part No.:	VIN Range (V)	Architecture	Channels	Output Power (Max)	Load (Ω) (Min)	I _{SD} (uA)	THD+N (%)	Efficiency (%)	fOSC (kHz)	PSRR (db)	Temp Range (°C)	Packaged
FH2010	3.0~5.0	Class-D	1	3.0W	4.0	1	0.05%	90	400	80	-40 ~ +85	MSOP-8L
FH2011	3.0~5.5	Class-D	1	3.0W	4.0	0.1	1.00%	90	800	75	-40 ~ +85	SOP-8L
FH2011N	2.5~5.5	Class-D	1	1.0W	8.0	1.00	1.00%	89	300	24	-40 ~ +85	SOT-23-6L
FH8145	2.5~5.5	Class-D	1	5.0W	2.0	0.10	10.00%	90	500	80	-40 ~ +85	ESOP-8L
FH8158	3.0~5.25	Class-D	1	5.0W	2.0	0.10	0.30%	90	350	80	-40 ~ +85	SOP-8L
FH8138	2.5~5.5	Class-D	1	5.0W	2.0	0.10	10.00%	90	500	77	-40 ~ +85	SOP-8L
FH8305	2.5~6.0	Class-D	1	5.10W	2.0	0.10	10.00%	90	750	80	-40 ~ +85	ESOP-8L
FH8121	2.5~6.0	Class-D	1	4.20W	4.0	0.10	10.00%	90	750	80	-40 ~ +85	SOP-8L
FH8122	2.5~5.5	Class-D	1	3.00W	4.0	0.10	10.00%	90	750	80	-40 ~ +85	SOP-8L
FH8126	2.5~5.5	Class-D	1	3.1W	4.0	0.10	10.00%	90	500	80	-40 ~ +85	DFN2*2-8L
FH84216	5.0~10.0	Class-D	2	10.0W	4.0	4.00	0.03%	92	440	85	-40 ~ +85	ETSSOP-24L
FH84225	6.0~18.0	Class-D	2	18.0W	4.0	1.00	0.06%	94	280	65	-40 ~ +85	TSSOP-24L

Part No.:	VIN Range (V)	Architecture	Channels	Output Power (Max)	Load (Ω) (Min)	I _{SD} (uA)	THD+N (%)	Efficiency (%)	fOSC (kHz)	PSRR (db)	Temp Range (°C)	Packaged
FH8508	2.5~8.8	AB / D	1	8.0W	4.0	0.10	10.00%	90	750	80	-40 ~ +85	ESOP-8L
FH8139	2.5~7.0	AB / D	1	5.5W	2.0	0.50	10.00%	90	350	77	-40 ~ +85	ESOP-8L
FH8511	3.0~8.8	AB / D	1	17.0W	3.0	0.10	10.00%	90	330	80	-40 ~ +85	ESOP-8L
FH84251	3.0~5.25	AB/D	2	3.00W	4.0	1.00	0.20%	90	350	80	-40 ~ +85	QFN3*3-16L
FH4890	2.2~5.0	Class-AB	1	1.00W	4.0	0.10	1.00%	/	/	66	-40 ~ +85	SOP-8L MSOP-8L
FH4990	2.2~5.5	Class-AB	1	2.00W	8.0	0.10	1.00%	/	/	76	-40 ~ +85	MSOP-8L
FH4871	2.0~6.0	Class-AB	1	3.00W	3.0	0.60	10.00%	/	/	85	-40 ~ +85	SOP-8L ESOP-8L
FH4872	2.0~6.0	Class-AB	2	3.00W	3.0	1.00	0.40%	/	/	70	-40 ~ +85	TSSOP-24L
FH4863	2.0~6.0	Class-AB	2	2.20W	3.0	0.70	0.30%	/	/	67	-40 ~ +85	SOP-16L
FH8107	1.8~5.5	Class-AB	1	1.50W	4.0	0.20	1.00%	/	/	60	-40 ~ +85	DFN2*2-8L
FH8002	2.0~5.5	Class-AB	1	3.00W	8.0	0.6	0.25%	/	/	60	-40 ~ +85	SOP-8L

Part No.	Key Features	Vin (V)	Vout (V)	Iout (A)	Max Eff.(%)	Freq. (KHz)	DC-DC Ch.	Others	OCP	Package
FH78021	2Chs Buck	2.5~6.0	0.6~Vin	1.20/1.20	94	1500	2	-	V	DFN3*3-10L
FH7056	3 CHs Buck 1 CH LDO I2C	2.7~5.5	0.6~Vin	3.00/1.50/2.00/0.30	96	1500	3	LDO * 1	V	QFN4*4-24L
FH7003C	3 CHs Buck	2.5~5.5	0.6~Vin	1.50/1.50/1.50	93	1500	3	-	V	QFN3*3-20L
FH7059	2A+2A+2A+2A Sync Buck	2.7~5.5	0.6~Vin	2.00/2.00/2.00/2.00	96	1500	4	-	V	QFN4*4-24L
FH7036	2A+2A+2A Sync Buck	2.7~5.5	0.6~Vin	2.00/2.00/2.00	96	1500	3	-	V	QFN3*3-20L
FH7002	PWM Boost DC/DC LDO	2.5~5.5	2.5~5.5/ADJ	600.00	/	1.2MHz	1	/	V	SOT-23-6L
			3.0	300.00		/	/	LDO * 1		
FH7005	PWM Boost DC/DC Dual LDO	2.5~5.5	2.5~5.5/ADJ	600.00	/	1.2MHz	1		V	QFN3*3-10L
			1.2~5.0 ADJ	300*2		/	/	LDO * 2		

Part No.	Voltage Range	Density	Erase/write Cycles	Serial Interface	Max Frequency	Temp Range (°C)	Packages
FM24C02A	1.7V-5.5V	2Kbit	4	IIC	1MHz	-40 ~ +85	SOP-8L TSSOP-8L TSOT-23-5L UDFN2*2-8L
FM24C02B	1.7V-3.6V	2Kbit	4	IIC	1MHz	-40 ~ +85	
FM24C02C	1.7V-5.5V	2Kbit	4	IIC	400KHz	-40 ~ +85	
FM24C04D	1.7V-5.5V	4Kbit	4	IIC	1MHz	-40 ~ +85	
FM24C08D	1.7V-5.5V	8Kbit	4	IIC	1MHz	-40 ~ +85	
FM24C16D	1.7V-5.5V	16Kbit	4	IIC	1MHz	-40 ~ +85	SOP-8L TSSOP-8L TSOT-23-5L
FM24C32D	1.7V-5.5V	32Kbit	4	IIC	1MHz	-40 ~ +85	
FM24C64D	1.7V-5.5V	64Kbit	4	IIC	1MHz	-40 ~ +85	
FM24C128D	1.7V-5.5V	128Kbit	4	IIC	1MHz	-40 ~ +85	
FM93C46A	1.7V-5.5V	1Kbit	4	Microwire	2MHz	-40 ~ +85	SOP-8L TSSOP-8L TSOT-23-5L
FM93C56A	1.7V-5.5V	2Kbit	4	Microwire	2MHz	-40 ~ +85	
FM93C66A	1.7V-5.5V	4Kbit	4	Microwire	2MHz	-40 ~ +85	
FM25080	1.7V-5.5V	8Kbit	4	SPI	20MHz	-40 ~ +85	SOP-8L TSSOP-8L TDFN2*3-8L SOT-23-5L
FM25160	1.7V-5.5V	16Kbit	4	SPI	20MHz	-40 ~ +85	
FM25320	1.7V-5.5V	32Kbit	4	SPI	20MHz	-40 ~ +85	
FM25640	1.7V-5.5V	64Kbit	4	SPI	20MHz	-40 ~ +85	

Part No.	Density	Org	Vcc Range	Serial Interface	Speed @ >3.0V	Temp Range (°C)	Packages
FM25Q01	1Mbit	128k x 8	2.7V-3.6V	SPI, Dual SPI, Quad SPI, QPI	108MHz	-45 ~ 85(°C)	SOP-8L TSSOP-8L DFN2*3-8L
FM25Q02	2Mbit	256k x 8	2.7V-3.6V	SPI, Dual SPI, Quad SPI, QPI	108MHz	-45 ~ 85(°C)	SOP-8L TSSOP-8L DFN2*3-8L
FM25Q04	4Mbit	512k x 8	2.7V-3.6V	SPI, Dual SPI, Quad SPI, QPI	108MHz	-45 ~ 85(°C)	SOP-8L TSSOP-8L DFN2*3-8L
FM25Q08	8Mbit	1024k x 8	2.7V-3.6V	SPI, Dual SPI, Quad SPI, QPI	108MHz	-45 ~ 85(°C)	SOP-8L TSSOP-8L DFN2*3-8L
FM25Q16	16Mbit	2048k x 8	2.7V-3.6V	SPI, Dual SPI, Quad SPI, QPI	108MHz	-45 ~ 85(°C)	SOP-8L DFN2*3-8L
FM25Q32	32Mbit	4096k x 8	2.7V-3.6V	SPI, Dual SPI, Quad SPI, QPI	108MHz	-45 ~ 85(°C)	SOP-8L DFN2*3-8L
FM25Q64	64Mbit	8192k x 8	2.7V-3.6V	SPI, Dual SPI, Quad SPI, QPI	120MHz	-45 ~ 85(°C)	SOP-8L DFN5*6-8L

Part Number	Aux Supply Vrange (V)	DC/DC Controller or Converter	DC/DC Integrated Switch Rds(on) (Ω)	DC/DC Topology	Fault Response	Recommended fsw (kHz)	Pass Switch Rds(on) (Ω)	PoE Ilimit (mA)	PoE Inrush Limit (mA)	PoE Standards	Pout (W)	Temp Range (°C)	Package	Description
POE8002	~ 57	PD only	/	/	Latch off	/	0.60	450	150	802.3af	15	-40 ~ 85	SOP-8L	15W Power Over Ethernet (PoE) Powered Device (PD) Controller
POE8006	24 to 57	Converter	0.8	Flyback or Buck	Hiccup	300	0.48	920	180	802.3af	13	-40 ~ 105	QFN-28L (4x5)	Fully Integrated, 802.3af-Compatible PoE PD Interface with 13W Primary-Side Regulated Flyback or Buck Converter

Part Number	PoE Standards Supported	Vin (min) (V)	Vin (max) (V)	Current Limit	PSE Ports	FET	MPS Method	Pair Control	Operating Temp Range (°C)	Package	Description
PSE3924	IEEE 802.3af/at	44	57	Programmable	4	External	DC Disconnect	2 Pair	-40 to 125	QFN-32L (5x5)	Quad-Port, IEEE 802.3af/at-Compliant PSE Controller for Power over Ethernet Applications



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