



Selection Guide

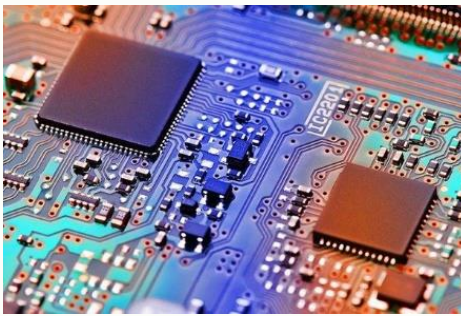
DC/DC

AC/DC

PMIC

Battery

Module



Lighting

Backlighting

ESD

MCU

PLD

Audio

Sensor

TPMS

BLE

Metering

EMC

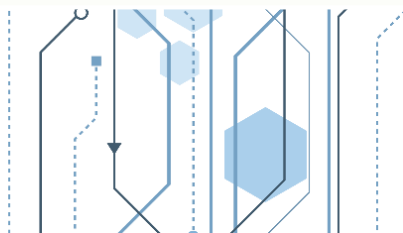
Mesh

Gauge

SAR

Motor

Q2 2022





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The main products include: DC/DC, AC/DC, PMIC, LED lighting, BMS, light sensor, motor driver, audio power amplifier, power module, protection switch, Energy measurement, metering and signal chains solutions.

Silergy has the industry-leading process technology to design innovative mixed-signal and analog IC. Our products are widely used in industrial, consumer, computing and telecom equipment. We have always been committed to providing our customers with better performance and higher reliability analog IC.

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DC/DC

Single Output Step Down (Buck) Converter V_{IN} Max < 7V

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{SW} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (Ron H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8018ADFC	2.5	5.5	0.45	/	0.6	$\pm 2\%$	400/200	1.5	DFN2x2-8	Power Good Indicator, Ultra Low Quiescent Current
SY8851DFC	2.2	5.5	0.5	1	1.2	$\pm 1.5\%$	280/120	0.4	DFN2x2-8	Power Good Indicator, Output Auto Discharge
SY8078BDTC	1.85	5.5	0.6	3	0.4	$\pm 2\%$	350/250	40	DFN1.45x1-6	
SY8081DQC	2.5	5.5	1	2.5	0.6	$\pm 2\%$	230/150	40	DFN1.5x1.5-6	Output Auto Discharge
SY8088IAAC	2.5	5.5	1	1.5	0.6	$\pm 1.5\%$	260/170	50	SOT23-5	Output Auto Discharge
SY8088A1AAC	2.5	5.5	1	1.5	0.6	$\pm 1.5\%$	260/160	50	SOT23-5	
SY8061IDEC	2.5	5.5	1	1.5	0.6	$\pm 1.5\%$	220/130	50	DFN2x2-6	Auto Discharge
SY8075DEC	2.5	6.5	1	1.5	0.6	$\pm 2\%$	260/170	40	DFN2x2-6	
SY8077AAC	2.5	6.5	1	1.5	0.6	$\pm 2\%$	260/170	40	SOT23-5	
SY8080AAC	2.5	5.5	1	3	0.6	$\pm 2\%$	270/160	40	SOT23-5	
SY8871BDFC	2.4	6	1	1	1.2	$\pm 1.5\%$	300/130	400nA@STB=0 15 μ A@STB=1	DFN2x2-8	Power Good Indicator, ultra low I_Q , Hic-cup SCP, Auto Discharge
SY8891ARC	2.5	5.5	1	1.5	0.6	$\pm 1.5\%$	170/100	55	SOT563	Power Good Indicator, Hic-cup SCP, Auto Discharge
SY8891EARC	2.5	5.5	1	1.5	0.6	$\pm 1.5\%$	170/100	/	SOT563	Power Good Indicator, FCCM, Hic-cup SCP, Auto Discharge
SY8842QWC	2.6	5.5	1.5	2	0.6	$\pm 1\%$	180/100	55	QFN1.5x1.5-7	Power Good Indicator, Auto Discharge
SY8841ARC	2.6	5.5	1.5	2	0.6	$\pm 1\%$	180/100	55	SOT563	Output Auto Discharge
SY8002E1ABC	2.5	5.5	2	1.5	0.6	$\pm 1.5\%$	130/85	/	SOT23-6	Power Good Indicator, Hic-cup SCP, Output Auto Discharge
SY8002IABC	2.5	5.5	2	1.5	0.6	$\pm 1.5\%$	130/85	50	SOT23-6	Power Good Indicator, Latch-off Protection
SY8002A1ABC	2.5	5.5	2	1.5	0.6	$\pm 1.5\%$	130/85	50	SOT23-6	Power Good Indicator, Hic-cup Protection
SY8089A1AAC	2.7	5.5	2	1.5	0.6	$\pm 1.5\%$	130/85	50	SOT23-5	Output Auto Discharge
SY8089IAAC	2.5	5.5	2	1.5	0.6	$\pm 1.5\%$	130/85	50	SOT23-5	Latch-off Protection
SY8089E1AAC	2.5	5.5	2	1.5	0.6	$\pm 1.5\%$	130/85	/	SOT23-5	Hic-cup SCP, Auto Discharge
SY8032IABC	2.7	5.5	2	1.5	0.6	$\pm 1.5\%$	130/85	50	SOT23-6	Power Good Indicator
SY8892ARC	2.5	5.5	2	1.5	0.6	$\pm 1.5\%$	125/75	55	SOT563	Power Good Indicator, Hic-cup SCP, Auto-discharge
SY8892EARC	2.5	5.5	2	1.5	0.6	$\pm 1.5\%$	125/75	/	SOT563	Power Good Indicator, Hic-cup SCP, Forced PWM, Auto Discharge
SY8003ADFC	2.7	5.5	3	1	0.6	$\pm 2\%$	110/80	55	DFN2x2-8	Power Good Indicator, Non-latch off protection
SY8003A1DFC	2.5	5.5	3	1.5	0.6	$\pm 1.5\%$	130/85	50	DFN2x2-8	Power Good Indicator, Hic-cup SCP, Auto Discharge
SY8003CDFC	2.7	5.5	3	3	0.6	$\pm 2\%$	100/80	55	DFN2x2-8	Power Good Indicator
SY8053DBC	2.5	5.5	3	1	0.6	$\pm 1.5\%$	85/60	55	DFN3x3-10	Power Good Indicator, Latch off Protection, Auto Discharge

Single Output Step Down (Buck) Converter V_{IN} Max < 7V

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{SW} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (Ron H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8843QWC	2.7	5.5	3	1.5	0.6	$\pm 1\%$	85/50	65	QFN1.5 \times 1.5-7	Power Good Indicator, Auto Discharge
SY8843LQWC	2.7	5.5	3	1.5	0.6	$\pm 1\%$	85/50	65	QFN1.5 \times 1.5-7	Power Good Indicator, Auto Discharge
SY8859QWC	2.7	5.5	3	1	0.6	$\pm 1\%$	85/50	55	QFN1.5 \times 1.5-7	Power Good Indicator, Light Load Mode Selection
SY8859LQWC	2.7	5.5	3	1	0.6	$\pm 1\%$	85/50	55	QFN1.5 \times 1.5-7	Power Good Indicator, Light Load Mode Selection
SY8883DFC	2.5	5.5	3	1	0.6	$\pm 1.5\%$	85/60	55	DFN2 \times 2-8	Power Good Indicator, Latch off Protection, Auto Discharge
SY8883ADFC	2.5	5.5	3	1	0.6	$\pm 1.5\%$	85/60	55	DFN2 \times 2-8	Power Good Indicator, Hic-cup SCP, Auto Discharge
SY8883EDFC	2.5	5.5	3	1	0.6	$\pm 1.5\%$	85/60	/	DFN2 \times 2-8	Power Good Indicator, Hic-cup SCP, Forced PWM, Auto Discharge
SY80063ABC	2.5	5.5	3	1	0.6	$\pm 1.5\%$	85/60	55	SOT23-6	Power Good Indicator, Latch off Protection, Auto Discharge
SY80063AABC	2.5	5.5	3	1	0.6	$\pm 1.5\%$	85/60	55	SOT23-6	Power Good Indicator, Hic-cup SCP, Auto Discharge
SY80063EABC	2.5	5.5	3	1	0.6	$\pm 1.5\%$	85/60	/	SOT23-6	Power Good Indicator, Hic-cup SCP, Forced PWM, Auto Discharge
SY8893ARC	2.5	5.5	3	1.2	0.6	$\pm 1.5\%$	100/60	50	SOT563	Power Good Indicator, Output Auto Discharge
SY8893EARC	2.5	5.5	3	1.2	0.6	$\pm 1.5\%$	100/60	/	SOT563	Power Good Indicator, Hic-cup SCP, Forced PWM, Output Auto Discharge
SY8893LARC	2.5	5.5	3	1.2	0.6	$\pm 1.5\%$	100/60	50	SOT563	Power Good Indicator, Latch-off Protection, Output Auto Discharge
SY80003DQD	2.5	5.5	3	2.2	0.6	$\pm 1\%$	38/30	21	DFN1.5 \times 1.5-6	Power Good Indicator, Hic-cup SCP/OVP/OTP, Auto Discharge
SY80004DQD	2.5	5.5	4	2.2	0.6	$\pm 1\%$	38/30	21	DFN1.5 \times 1.5-6	Power Good Indicator, Hic-cup SCP/OVP/OTP, Auto Discharge
SY8884ADFC	2.5	5.5	4	1	0.6	$\pm 1.5\%$	85/60	55	DFN2 \times 2-8	Power Good Indicator, Hic-cup SCP, Auto Discharge
SY8824BAIC	2.6	5.5	4	1.8	/	$\pm 1\%$	70/40	80	TSOT23-8	Programmable Output Voltage: 0.7625V to 1.55V in 12.5mV Steps; Default 1.15V Output Voltage
SY8824CAIC	2.6	5.5	4	1.8	/	$\pm 1\%$	70/40	80	TSOT23-8	Programmable Output Voltage: 0.7625V to 1.55V in 12.5mV Steps; Default 1.05V Output Voltage
SY8047QDC	2.5	5.5	4	1.25	0.6	$\pm 1.5\%$	75/55	18	QFN3 \times 3-16	Power Good Indicator
SY8057DQDC	2.5	5.5	4	1	/	$\pm 1\%$	70/40	30	QFN3 \times 3-16	Power Good Indicator, VID control, Latch OVP/SCP/OTP, 4A Continuous, 7A Peak Load Current
SY8057FQDC	2.5	5.5	4	1	/	$\pm 1\%$	70/40	30	QFN3 \times 3-16	Power Good Indicator, VID control, Latch-off OVP/SCP/OTP, 4A Continuous, 7A Peak Load Current
SY8856DFC	2.7	5.5	4	3	0.6	$\pm 1.5\%$	35/15	60	DFN2 \times 2-8	Power Good Indicator
SY80704SYC	2.5	6	4	2.4	0.6	$\pm 1.5\%$ (-40~125 $^{\circ}$ C)	25/17	23	DFN2 \times 2-7	Auto Discharge, hic-cup SCP
SY8825QUC	2.5	5.5	5	2	0.6	$\pm 1.5\%$	55/35	18	QFN2 \times 1.5-8	Power Good Indicator
SY80706SYC	2.5	6	6	1	0.6	$\pm 1.5\%$ (-40~125 $^{\circ}$ C)	22/12	23	DFN2 \times 2-7	Auto Discharge, hic-cup SCP

Single Output Step Down (Buck) Converter V_{IN} Max < 7V

DC/DC

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{SW} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (R_{on} H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8036DBC	2.7	5.5	6	1	0.6	$\pm 1.5\%$	50/40	150	DFN3 \times 3-10	Power Good Indicator, EXT SS
SY8876DFC	2.7	6.5	6	1.2	0.6	$\pm 1.5\%$	38/15	60	DFN2 \times 2-8	Power Good Indicator, OCP/UVLO/OTP
SY8827KPKC	2.5	5.5	6	2.4		$\pm 1.5\%$	28/17	65	CSP1.56 \times 1.96-20	I ² C Programmable V_{OUT} : 0.7125V~1.5V in 12.5mV steps, ADDR: 1000001x
SY8816DFC	2.75	6	6	1.2	0.6	$\pm 1.5\%$	35/15	60	DFN2 \times 2-8	Power Good Indicator, OCP/UVLO/OTP Protections
SY8810QQC	2.7	5.5	12	1.5		$\pm 1\%$	12/6	95	QFN3 \times 3-12	Programmable Output Voltage: 0.6V to 1.5V in 11mV steps
SY8030LDEC*	2.5	5.5	0.6	2.25	0.6	$\pm 1.5\%$	300/200	50	DFN2 \times 2-6	
SY8088AAC*	2.5	5.5	1	1.5	0.6	$\pm 2\%$	260/170	40	SOT23-5	
SY8088LACC*	2.5	5.5	1	1.5	0.6	$\pm 2\%$	260/170	40	TSOT23-5	
SY8010DEC*	2.5	5.5	1	1.5	0.6	$\pm 1.5\%$	200/150	50	DFN2 \times 2-6	
SY8011ADQC*	2.5	5.5	1	1.5	0.6	$\pm 2\%$	230/150	40	DFN1.5 \times 1.5-6	
SY8061ADEC*	2.5	5.5	1	1.5	0.6	$\pm 2\%$	260/170	60	DFN2 \times 2-6	Auto Discharge
SY8065LABC*	2.5	5.5	1	1.5	0.6	$\pm 2\%$	250/200	90	SOT23-6	Power Good Indicator
SY8071AAC*	2.5	5.5	1	2	0.6	$\pm 2\%$	260/170	40	SOT23-5	
SY8011BDQC*	2.5	5.5	1.5	1.5	0.6	$\pm 2\%$	210/130	60	DFN1.5 \times 1.5-6	
SY8030DEC*	2.5	5.5	1.5	2.25	0.6	$\pm 1.5\%$	200/150	50	DFN2 \times 2-6	Ext Mode
SY8002EABC*	2.7	5.5	2	1	0.6	$\pm 2\%$	110/80	/	SOT23-6	Power Good Indicator, Force PWM
SY8003LDFC*	2.7	5.5	2	1	0.6	$\pm 2\%$	120/90	55	DFN2 \times 2-8	Power Good Indicator
SY8079PABC*	2.7	6.5	2	1	0.6	$\pm 2\%$	125/95	55	SOT23-6	Power Good Indicator, Non-latch off OVP
SY8079AAC*	2.7	6.5	2	1	0.6	$\pm 2\%$	125/95	55	SOT23-5	Power Good Indicator, 3A Peak Load Current
SY8089AAAC*	2.7	5.5	2	1	0.6	$\pm 2\%$	110/80	55	SOT23-5	Non Latch off Protection
SY8089AAC*	2.7	5.5	2	1	0.6	$\pm 2\%$	110/80	55	SOT23-5	Latch off Protection
SY8032ABC*	2.7	5.5	2.5	1	0.6	$\pm 2\%$	100/80	80	SOT23-6	Power Good Indicator
SY8032EABC*	2.7	5.5	2.5	1	0.6	$\pm 2\%$	100/80	/	SOT23-6	Power Good Indicator, Force CCM
SY8003DFC*	2.7	5.5	3	1	0.6	$\pm 2\%$	110/80	55	DFN2 \times 2-8	Power Good Indicator, Latch SCP/OVP
SY8003EDFC*	2.7	5.5	3	1	0.6	$\pm 2\%$	110/80	-	DFN2 \times 2-8	Power Good Indicator, Force CCM
SY8003FDFC*	2.7	5.5	3	1	0.6	$\pm 1.5\%$	110/80	/	DFN2 \times 2-8	Power Good Indicator

** Not recommended for new design*

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Single Output Step Down (Buck) Converter V_{IN} Max < 7V

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{SW} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (R_{on} H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8003GDFC*	2.7	5.5	3	1	0.6	$\pm 1.5\%$	110/80	55	DFN2 \times 2-8	Power Good Indicator, Latch SCP/OVP
SY8043AQDC*	2.7	5.5	3	1.25	0.6	$\pm 2\%$	75/55	18	DFN3 \times 3-16	Power Good Indicator
SY8047LQDC*	2.5	5.5	3	1.25	0.6	$\pm 2\%$	75/55	18	QFN3 \times 3-16	Power Good Indicator
SY8823QUC*	2.5	5.5	3.5	2	0.6	$\pm 1.5\%$	55/35	18	QFN2 \times 1.5-8	Power Good Indicator
SY8057QDC*	2.5	5.5	4	1	/	/	70/40	30	QFN3 \times 3-16	Power Good Indicator, VID control, Latch OVP/SCP/OTP
SY8057BQDC*	2.5	5.5	4	1	/	$\pm 1\%$	70/40	30	QFN3 \times 3-16	Power Good Indicator, VID control, Latch OVP/SCP/OTP, 4A Continuous, 7A Peak Load Current

* Not recommended for new design

Dual Output Step Down (Buck) Converter V_{IN} Max < 7V

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{SW} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (R_{on} H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8092ADBC	2.5	5.5	1A x2	2	0.6	$\pm 2\%$	220/180	35	DFN3 \times 3-10	Individual EN
SY8831AIC	2.5	5.5	1A x2	1.5	0.6	$\pm 2\%$	260/180	45/55	TSOT23-8	Individual EN
SY8832AIC	2.5	5.5	2A x2	2	0.6	$\pm 2\%$	125/100	35/45	TSOT23-8	Individual EN
SY8024DCC	2.7	5.5	3A x2	1.5	0.6	$\pm 2\%$	105/85	80	DFN3 \times 3-12	Individual EN
SY8821SAC	2.5	5.5	1A/1.5A	2	0.6	$\pm 2\%$	125/100	45	DFN2 \times 1.5-8	Individual EN
SY8821BSAC	2.3	5.5	1Ax2	2	0.6	$\pm 2\%$	125/100	45	DFN2 \times 1.5-8	Individual EN

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Single Output Step down (Buck) Converter V_{IN} Max > 7V

DC/DC

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{SW} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (R_{on} H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8290ABC	5	40	0.3	2	0.6	$\pm 2.0\%$	2000/-	160	SOT23-6	
SY8511ADC	4.5	100	0.6	0.2	0.6	$\pm 1.0\%$	1/-	100	TSOT23-6	Hic-cup SCP
SY89000FCC	7	100	0.6	0.2~0.6	1.225	$\pm 2.0\%$	500/285	/	SO8E	Programmable Switching Frequency
SY8401ABC	4.5	50	0.8	1.2	0.6	$\pm 1.0\%$	700/-	150	SOT23-6	
SY8201ABC	4.5	27	1	0.5	0.6	$\pm 2.0\%$	350/150	400	SOT23-6	
SY8201CABC	4.5	27	1	1.15	0.6	$\pm 2.0\%$	350/150	400	SOT23-6	Force CCM
SY8301ABC	4.5	40	1	2	0.8	$\pm 1.0\%$	380/180	18	SOT23-6	Hic-cup SCP
SY8501FCC	7	100	1	0.2~1	1.2	$\pm 2.0\%$	500/240	400	SO8E	Programmable Switching Frequency
SY89001FCC	7	100	1	0.2~0.6	1.225	$\pm 2.0\%$	500/240	/	SO8E	Programmable Switching Frequency
SY8291ABC	5	40	1.2	0.8	0.6	$\pm 2.0\%$	180/-	160	SOT23-6	
SY8291FABC	9	36	1.2	0.3	0.81	$\pm 2.0\%$	180/-	160	SOT23-6	
SY8502AFCC	7	85	1.2	0.2~0.5	1.2	$\pm 2.0\%$	500/240	/	SO8E	Programmable Switching Frequency /FCCM, 1.2A Continuous/1.8A Peak Output Current Capability
SY8502FCC	7	85	1.2	0.2~0.5	1.2	$\pm 2.0\%$	500/240	400	SO8E	Programmable Switching Frequency, 1.2A Continuous/1.8A Peak Output Current Capability
SY8202ADC	4.5	28	1.7	0.5	0.6	$\pm 2.0\%$	350/150	400	TSOT23-6	Cycle-by-cycle Valley Current Limitation
SY8120E1ABC	4.5	18	2	0.5	0.6	$\pm 1.5\%$	130/105	/	SOT23-6	FCCM, Hic-cup SCP
SY8121B1ABC	4.5	18	2	1.4	0.6	$\pm 1.5\%$	130/105	/	SOT23-6	Hic-cup SCP, FCCM
SY8121C1ABC	4.2	18	2	1.2	0.6	$\pm 1.5\%$	130/105	250	SOT23-6	Hic-cup SCP
SY81052ABC	4.2	18	2	0.5	0.6	$\pm 1.5\%$	130/105	200	SOT23-6	Hic-cup SCP
SY8232FAC	4.5	23	2	0.5	0.6	$\pm 1.5\%$	150/110	400	SO8	EXT SS, Hic-cup SCP
SY8292ABC	5	40	2	0.8	0.6	$\pm 2.0\%$	180/-	160	SOT23-6	
SY8492FCC	4.5	60	2	0.1~1	0.8	$\pm 1.0\%$	175/-	100	SO8E	Power Good Indicator, Hic-cup SCP, Adjustable Switching Frequency
SY8113C1ADC	4.2	18	3	1.2	0.6	$\pm 1.5\%$	80/40	270	TSOT23-6	Hic-cup SCP, Output Auto Discharge
SY8113DAIC	4.5	18	3	0.5	0.6	$\pm 1.5\%$	80/40	100	TSOT23-8	Power Good Indicator, Hic-cup SCP, EXT SS
SY8113IADC	4.2	18	3	0.5	0.6	$\pm 1.5\%$	80/40	200	TSOT23-6	Hic-cup SCP
SY8113B1ADC	4.5	18	3	1.4	0.6	$\pm 1.5\%$	80/40	/	TSOT23-6	Hic-cup SCP
SY8113E1ADC	4.5	18	3	0.5	0.6	$\pm 1.5\%$	80/40	/	TSOT23-6	FCCM, Hic-cup SCP

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Single Output Step Down (Buck) Converter, V_{IN} Max > 7V

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{SW} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (R_{on} H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY81003ADC	4.2	18	3	0.5	0.6	$\pm 1.0\%$	80/40	250	TSOT23-6	Hic-cup SCP, Output auto discharge
SY81003EADC	4.2	18	3	0.6	0.6	$\pm 1.0\%$	80/40	/	TSOT23-6	Hic-cup SCP, Output auto discharge
SY8233FCC	4.5	23	3	0.5	0.6	$\pm 1.5\%$	130/90	400	SO8E	EXT SS
SY8253ADC	4.5	23	3	0.5	0.6	$\pm 1.5\%$	105/50	100	TSOT23-6	Power Good Indicator, EXT SS, Hic-cup SCP
SY8253AIC	4.5	23	3	0.5	0.6	$\pm 1.5\%$	105/50	100	TSOT23-8	Power Good Indicator, EXT SS, Hic-cup SCP
SY8263AIC	4.5	30	3	0.5~2.5	0.6	$\pm 1.5\%$	110/70	19	TSOT23-8	Hic-cup SCP
SY8293FCC	5	40	3	0.8	0.6	$\pm 2.0\%$	180/-	160	SO8E	
SY8303AAIC	4.5	40	3	0.5~2.5	0.6	$\pm 1.5\%$	110/70	18	TSOT23-8	
SY8493FCC	4.5	60	3	0.1~0.5	0.8	$\pm 1.0\%$	150/-	100	SO8E	Adjustable switching frequency range: 100kHz ~500kHz, hic-cup SCP
SY8104IADC	4.2	18	4	0.5	0.6	$\pm 1.5\%$	55/36	200	TSOT23-6	Hic-cup SCP
SY8254RAC	4	23	4	0.6	0.6	$\pm 1.0\%$	85/35	130	QFN3x3-20	Power Good Indicator, Output Discharge, SCP/OVP,UVLO
SY8284RAC	4	23	4	0.5	0.6	$\pm 1.0\%$	85/35	121	QFN3x3-20	Power Good Indicator, Output Discharge,SCP/OVP,UVLO
SY8284BRAC	4	23	4	0.6	Fixed 3.338	$\pm 1.0\%$	85/35	80	QFN3x3-20	Power Good Indicator, Output Discharge,SCP/OVP,UVLO
SY8284CRAC	5.5	23	4	0.6	Fixed 5.1	$\pm 1.0\%$	85/35	115	QFN3x3-20	Power Good Indicator, Output Discharge, SCP/OVP,UVLO
SY8105IADC	4.5	18	5	0.5	0.6	$\pm 1.0\%$	41/27	250	TSOT23-6	
SY8205DNC	4.5	30	5	0.5	0.6	$\pm 1.5\%$	70/40	200	DFN3x4-12	Power Good Indicator, EXT SS
SY8205FCC	4.5	30	5	0.5	0.6	$\pm 1.5\%$	70/40	200	SO8E	EXT SS
SY8156IADC	4.5	18	6	0.4	0.6	$\pm 1.0\%$	29/19	200	TSOT23-6	Output Auto Discharge, SCP
SY8386RHC	4.5	24	6	0.5	0.6	$\pm 1.0\%$	38/19	100	QFN2.5x2.5-16	Power Good Indicator, Output Discharge, Latch-off UVP/OVP/OTP
SY8386ARHC	4.5	24	6	0.6	0.6	$\pm 1.0\%$	38/19	100	QFN2.5x2.5-16	Power Good Indicator, Output Discharge, Hic-cup UVP
SY8386BRHC	4.5	24	6	0.6	Fixed 3.338	$\pm 1.0\%$	36/18	75	QFN2.5x2.5-16	Power Good Indicator, Latch-off Protection, Auto-discharge
NEW SY8366QNC	4	28	6	0.8	0.6	$\pm 1.5\%$	40/20	100	QFN3x3-10	Power Good Indicator, Latch-off SCP/OVP, 12A Peak Current Capability, Programmable peak current limit
NEW SY8366AQQC	4	28	6	0.8	0.6	$\pm 1.5\%$	40/20	100	QFN3x3-12	Power Good Indicator, Hic-cup SCP/OVP, 12A Peak current capability, programmable peak current limit
SY8366HQQC	4	28	6	0.8	0.6	$\pm 1.5\%$	40/20	100	QFN3x3-12	Power Good Indicator, Hic-cup SCP, 12A Peak current capability, programmable peak current limit
SY8366KQQC	4	28	6	0.5	0.6	$\pm 1.5\%$	40/20	100	QFN3x3-12	Power Good Indicator, Hic-cup SCP, 12A peak current capability, programmable peak current limit

Single Output Step Down (Buck) Converter, V_{IN} Max > 7V

DC/DC

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{sw} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (R_{on} H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8388RHC	4.5	24	8	0.5	0.6	$\pm 1.0\%$	30/15	100	QFN2.5x2.5-16	Power Good Indicator, Output Discharge, Latch-off UVP/OVP
SY8388ARHC	4	24	8	0.6	0.6	$\pm 1.0\%$	20/10	140	QFN2.5x2.5-16	Power Good Indicator, Hic-cup UVP, Output discharge
SY8388BRHC	4.5	24	8	0.6	Fixed 3.338	$\pm 1.0\%$	30/15	75	QFN2.5x2.5-16	Power Good Indicator, Latch-off Protection, Auto-discharge
SY8388B3RHC	4	24	8	0.6	Fixed 3.338	$\pm 1.0\%$	20/10	85	QFN2.5x2.5-16	Power Good Indicator, Latch-off Protection, Auto-discharge
SY8388C3RHC	5.5	24	8	0.6	Fixed 5.1	$\pm 1.5\%$	20/10	85	QFN2.5x2.5-16	Power Good Indicator, Latch-off Protection, Auto-discharge
SY8388D3RHC	4	24	8	0.5	0.6	$\pm 1\%$	20/10	140	QFN2.5x2.5-16	Power Good Indicator, Latch-off Protection, Auto-discharge
SY8368AQQC	4	28	8	0.8	0.6	$\pm 1.0\%$	20/10	100	QFN3x3-12	Power Good Indicator, Hic-cup SCP, 16A Peak current capability, programmable output current limit
SY8368LQQC	4.5	28	8	0.5	0.6	$\pm 1.0\%$	20/10	100	QFN3x3-12	Power Good Indicator, OVP
SY8308RBC	4	40	8	0.35/ 0.5	0.6	$\pm 1.0\%$	25/12	60	QFN3.5x3.5-20	Power Good Indicator, programmable soft-start & valley current limit, hic-cup SCP, selectable switching frequency
SY8310RAC	4	24	9	0.6	0.6	$\pm 1.0\%$	27/9	85 in S3 125 in S0	QFN3x3-20	Power Good Indicator, 9A continuous/14A peak current capability, Latch-off UVP/OVP, $\pm 1A$ Source/Sink Current Capability of the VTT LDO
SY8310DRAC	4	24	9	0.6	0.6	$\pm 1.0\%$	27/9	65 in S3 110 in S0	QFN3x3-20	Power Good Indicator, 9A Continuous/12A Peak Current Capability, Latch-off UVP/OVP, $\pm 1A$ Source/Sink Current Capability of the VDDQ LDO
SY8270CTMC	5.5	23	10	0.6	Fixed 5.15	$\pm 1.5\%$	18/8	110	QFN3x4-13	Power Good Indicator, OVP/SCP
SY8371BTMC	4	24	10	0.6	Fixed 3.36	$\pm 1.0\%$	18/8	85	QFN3x4-13	Power Good Indicator, Latch-off Protection, Auto-discharge
SY8370TMC	4	24	11	0.5	0.6	$\pm 1.0\%$	17/7.5	140	QFN3x4-13	Power Good Indicator, Latch-off UVP/OVP, Output Discharge
SY8370C1TMC	5.5	24	11	0.6	Fixed 5.15	$\pm 1.5\%$	17/7.5	110	QFN3x4-13	Power Good Indicator, Latch-off UVP/OVP, Output Discharge
SY81012VDC	2.7	16	12	0.6/ 0.8/1	0.6	$\pm 1.0\%$ (-40~125°C)	12.6/4.3	650	QFN3x4-19	Power Good Indicator; Remote sense, Seamless ILMT, Pre-bias startup, FCCM/PFM, Hic-cup SCP, Programmable Soft-start Time
SY81020VDC	2.9	16	20	0.6/ 0.8/1	0.6	$\pm 1.0\%$ (-40~125°C)	7.5/2.4	550	QFN3x4-19	Power good Indicator; Remote sense, Seamless ILMT, Pre-bias startup, FCCM/PFM, Hic-cup SCP, Programmable Soft-start Time
SY8120IABC*	4.2	18	2	0.5	0.6	$\pm 1.5\%$	130/105	200	SOT23-6	Hic-cup SCP
SY8120B1ABC*	4.5	18	2	0.5	0.6	$\pm 2.0\%$	130/120	400	SOT23-6	
SY8121ABC*	4.5	18	2	1	0.6	$\pm 2.0\%$	170/160	400	SOT23-6	
SY8121BABC*	4.35	18	2	1.2	0.6	$\pm 2.0\%$	170/160		SOT23-6	1.2MHz, FCCM
SY8121CABC*	4.5	18	2	1.2	0.6	$\pm 2.0\%$	130/120	400	SOT23-6	
SY8121DEC*	4.5	18	2	1	0.6	$\pm 2.0\%$	170/160	400	DFN2x2-6	

* Not recommended for new design

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Single Output Step Down (Buck) Converter, V_{IN} Max > 7V

Part Number	V_{IN}		I_{OUT} (Max) (A)	f_{sw} (MHz)	V_{OUT} (Min) (V)	Voltage Accuracy	MOSFET (R_{on} H/L) (m Ω)	Quiescent Current (μ A)	Package	Feature/ Special Function
	Min (V)	Max (V)								
SY8222DBC*	4.5	23	2	0.5	0.6	$\pm 1.5\%$	150/110	400	DFN3 \times 3-10	Power Good Indicator, EXT SS, Hic-cup SCP
SY8113BADC*	4.5	18	3	0.5	0.6	$\pm 1.5\%$	80/40	100	TSOT23-6	Hic-cup SCP
SY8113CADC*	4.5	18	3	1	0.6	$\pm 1.5\%$	80/40	100	TSOT23-6	Hic-cup SCP
SY8113GADC*	4.5	18	3	0.5	0.6	$\pm 1.5\%$	80/40	100	TSOT23-6	Hic-cup SCP, FCCM
SY8203ADBC*	4.5	23	3	1	0.6	$\pm 1.5\%$	120/85	400	DFN3 \times 3-10	Power Good Indicator, EXT SS
SY8213FCC*	4.5	30	3	0.5	0.6	$\pm 1.5\%$	80/50	200	SO8E	Power Good Indicator, EXT SS
SY8223DBC*	4.5	23	3	0.5	0.6	$\pm 1.5\%$	120/85	400	DFN3 \times 3-10	Power Good Indicator, EXT SS, Hic-cup SCP
SY8104AADC*	4.5	18	4	0.5	0.6	$\pm 1.5\%$	50/30	100	TSOT23-6	Instant PWM architecture
SY8104ADC*	4.5	18	4	0.5	0.6	$\pm 1.5\%$	50/30	100	TSOT23-6	
SY8105AADC*	4.5	18	5	0.5	0.6	$\pm 1.5\%$	40/20	100	TSOT23-6	Instant PWM architecture
SY8105ADC*	4.5	18	5	0.5	0.6	$\pm 1.5\%$	50/30	100	TSOT23-6	
SY8286RAC*	4	23	6	0.5	0.6	$\pm 1.0\%$	38/19	120	QFN3 \times 3-20	Power Good Indicator, Output Auto Discharge, Latch-off Protection
SY8286ARAC*	4	23	6	0.6	0.6	$\pm 1.0\%$	38/19	120	QFN3 \times 3-20	Power Good Indicator, Output Auto Discharge, Hic-cup SCP
SY8286BRAC*	4	23	6	0.6	Fixed 3.37	$\pm 1.5\%$	38/19	75	QFN3 \times 3-20	Power Good Indicator, Output Auto Discharge, Latch-off Protection
SY8286CRAC*	5.5	23	6	0.6	Fixed 5.1	$\pm 1.5\%$	38/19	108	QFN3 \times 3-20	Power Good Indicator, Output Auto Discharge, Latch-off Protection
SY8288ARAC*	4	23	8	0.6	0.6	$\pm 1.0\%$	22/11	120	QFN3 \times 3-20	Power Good Indicator, Output Discharge, Hic-cup SCP
SY8288BRAC*	4	23	8	0.6	Fixed 3.37	$\pm 1.5\%$	22/11	75	QFN3 \times 3-20	Power Good Indicator, Output Discharge, Latch-off UVP/OVP
SY8288CRAC*	5.5	23	8	0.6	Fixed 5.1	$\pm 1.5\%$	22/11	108	QFN3 \times 3-20	Power Good Indicator, Output Discharge, Latch-off UVP/OVP
SY8288RAC*	4	23	8	0.5	0.6	$\pm 1.0\%$	30/10	105	QFN3 \times 3-20	Power Good Indicator, Output Discharge, Latch-off UVP/OVP
SY8210AQVC*	4	28	10	0.6	0.6	$\pm 1.5\%$	25/8	300	QFN4 \times 3-19	Power Good Indicator, Memory power, 10A VDDQ/2A VTT LDO, 16A Peak Current capability, Latch off UVP/OVP, Over temperature alert
SY8210DQVC*	4	28	10	0.6	0.6	$\pm 1.5\%$	25/8	300	QFN4 \times 3-19	Power Good Indicator, Memory power, 10A VDDQ/1A VTT LDO, 16A Peak Current capability, Latch-off UVP/OVP, Over temperature alert
SY8270TMC*	4	23	10	0.5	0.6	$\pm 1.0\%$	28/8	100	QFN3 \times 4-13	Power Good Indicator, Latch-off OVP/SCP
SY8182QCC*	4	18	12	0.2~1	0.6	$\pm 1.0\%$	18/6	/	QFN4 \times 4-20	Power Good Indicator

* Not recommended for new design

Single Output Step Up (Boost) Converter (Low Voltage)

DC/DC

Part Number	V _{IN}		I _{LIM} (A)	f _{SW} (MHz)	V _{OUT} (Max) (V)	Sync Boost	Fixed Output Voltage (V)	V _{FB} / Accuracy	Quiescent Current		MOSFET Ron (H/L)(mΩ)	Feature/ Special Function	Package
	Min (V)	Max (V)							Input (μA)	output (μA)			
SY7070AAC	0.7	5	0.35	/	/	✓	3.3	/	0.5	5.5	700/500	Pass-through Function @ Shutdown	SOT23-5
SY7070AAAC	0.7	5	0.35	/	/	✓	3	/	0.5	5.5	700/500		SOT23-5
SY7071AHC	0.7	5	0.35	/	5.25	✓	/	1.0V±3%	0.5	5	700/500	Pass-through Function @ Shutdown	SOT-363
SY7071AAHC	0.7	5	0.35	/	/	✓	5	/	0.5	7	500/400	Pass-through Function @ Shutdown; OVP	SOT-363
SY7072DABC	0.85	5.5	0.6	1	5.5	✓	/	0.5V±1.5%	0.7	5	170/100	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP	SOT23-6
SY87092SUD	1.8	5.5	1	1	5.5	✓	/	1.2V±1.5%	/	/	125/70	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP, CCM Only	DFN2×1.5-6
SY7072AABC	0.85	5.5	2	1	5.5	✓	/	1.2V±1.5%	0.7	5	170/100	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP	SOT23-6
SY7072ABC	1.8	5.5	2	1	5.5	✓	/	1.2V±1.5%	0.7	5	170/100	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP	SOT23-6
SY7092SUC	0.85	5.5	2	1	5.5	✓	/	1.2V±1.5%	0.7	5	125/70	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP	DFN2×1.5-6
SY7063QMC	1.8	5.25	3	0.5	5.5	✓	/	1.2V±1.5%	10	27	40/36	Output Disconnect @Shutdown	QFN2×2-10
SY7069ADC	2.5	5.5	3	1	5.5	✓	/	1.2V±1.5%	8	32	90/50	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP	TSOT23-6
SY7069BADC	2.5	5.5	3	1	5.5	✓	/	1.2V±1.5%	8	32	90/50	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP	TSOT23-6
SY7069CUMC	2.5	5.5	3	1	5.6	✓	/	1.2V±1.5%	8	32	100/70	Auto Bypass Mode When V _{IN} ≥ V _{OUT} ; OVP	CSP1.54×0.9-6
SY7065QMC	1.8	5.25	5	0.5	5.5	✓	/	1.2V±1.5%	10	27	40/20	Auto Output Discharge Function, Input Battery Voltage Monitor, OVP	QFN2×2-10
SY7065AQMC	1.8	5.25	5	0.5	5.5	✓	/	1.2V±1.5%	10	27	40/20	No Output Discharge Function, Input Battery Voltage Monitor, OVP	QFN2×2-10
SY7076QMC	2	5.5	6	0.5	5.5	✓	/	1.2V±1.5%	10	27	40/20	Selectable Forced PWM Mode, Programmable Output Current Limit, OVP	QFN2×2-10
SY7066QMC	1.8	5.25	6	0.5	5.5	✓	/	1.2V±1.5%	10	27	40/20	Auto Output Discharge Function, Input Battery Voltage Monitor, OVP	QFN2×2-10
SY7066AQMC	1.8	5.25	6	0.5	5.5	✓	/	1.2V±1.5%	10	27	40/20	No Output Discharge Function, Input Battery Voltage Monitor, OVP	QFN2×2-10
SY7066BQMC	1.8	5.25	6	0.5	5.5	✓	/	1.2V±1.5%	10	27	40/20	Selectable Forced PWM Mode, OVP	QFN2×2-10
SY7060LAHC*	0.7	5	0.2	/	5.25	✓	/	0.5V±3%	0.5	18	800/450	Pass-through Function@ Shutdown; OVP	SOT-363
SY7060AHC*	0.7	5	0.4	/	5.25	✓	/	0.5V±3%	0.5	18	800/450	Pass-through Function@ Shutdown; OVP	SOT-363
SY7080ABC*	0.9	4	1.8	1.2	4	✓	/	1.2V±3%	65	/	200/90	Output Disconnect @Shutdown	SOT23-6
SY7088DGC*	2.3	5.25	3	1	5.5	✓	/	1.2V±1.5%	2	30	85/70	OVP	DFN2×3-8
SY7088EDGC*	2.3	5.25	3	1	5.5	✓	/	1.2V±1.5%	/	/	85/70	FCCM, OVP	DFN2×3-8

* Not recommended for new design

Single Output Step Up (Boost) Converter (High Voltage)

Part Number	V_{IN}		I_{LIM} (A)	f_{SW} (MHz)	V_{OUT} (Max) (V)	Sync Boost	$V_{FB}/$ Accuracy	Input Quiescent Current (μA)	MOSFET R_{on} (H/L) (m Ω)	Feature/ Special Function	Package
	Min (V)	Max (V)									
SY7208CABC	3	25	0.6	1	25		0.6V \pm 2%	100	-/150	Internal SS/Comp	SOT23-6
SY7152AABC	3	8	2	1	16		0.6V \pm 2%	100	-/130	Internal SS/Comp	SOT23-6
SY7208LABC	3	25	2	1	25		0.6V \pm 2%	100	-/150	Internal SS/Comp	SOT23-6
SY7302ABC	3	33	2	1	33		0.6V \pm 2%	100	-/200	Internal SS/Comp	SOT23-6
SY7388ABC	3.5	30	2	0.85	30		1V \pm 2%	150	-/200	Accurate Input Current Limit	SOT23-6
SY7102ABC	2	6	2.5	1	6		0.6V \pm 2%	200	-/120	Internal SS/Comp	SOT23-6
SY7801DCC	2.5	5.5	2.5	1	6		0.6V \pm 2%	200	-/120	Internal SS, with 2A 80m Ω Load Switch	DFN3 \times 3-12
SY7104ADBC	2	6	4	1	6		0.6V \pm 2%	100	-/90	Internal SS/Comp	DFN3 \times 3-10
SY7304DBC	3	33	4	1	33		0.6V \pm 2%	100	-/120		DFN3 \times 3-10
SY7205ADBC	8.6	15.9	4.5	0.5	16		1.25V \pm 1.5%	120	-/75	Adjustable Soft-start Time, OVP	DFN3 \times 3-10
SY7982QDC	3	9	6	1	13	\checkmark	1V \pm 2%	600	40/80	Power Good Indicator, Integrated 40m Ω Disconnection FET, True Shutdown	QFN3 \times 3-16
SY7219DBC	3	5.5	9	/	36		1.25V \pm 2%	380	-/65	EXT Comp	DFN3 \times 3-10
SY7215ARDC	3	16	15	0.25~1	16	\checkmark	1V \pm 1.5%	230	12/9	Power Good Indicator, Integrated 12m Ω Disconnection FET, Internal SS, OVP/SCP/ True shutdown, Programmable Switching Frequency: 0.25~1MHz	QFN4 \times 4-18
SY7315RDC	4.5	30	15	0.2~1	30	\checkmark	1V \pm 1.5%	230	18/16	Integrated 18m Ω Disconnection FET, OVP/OTP/SCP, True Shutdown, Programmable Switching Frequency: 0.2~1MHz, Power Good Indicator	QFN4 \times 4-18
SY7120RAC	2.8	16	2~10	0.3~2	16	\checkmark	1V \pm 1%	200	20/10	PFM/PWM light load operation mode, Programmable Switching Frequency: 0.3~2MHz, Programmable I_{LIM} : 2~10A, OVP	QFN3 \times 3-20

DC-DC PWM Controller (External Switch)

Part Number	V_{IN}		F_{SW} (MHz)	V_{REF} (V)	Function	Package
	Min(V)	Max(V)				
SY7901DBC	3	25	0.5	1	Current mode DC/DC controller targeted for Boost, SEPIC, Flyback and Forward applications with DC Input Current Limit	DFN3 \times 3-10
SY7902AFHC	3	25	0.3	1	Current mode DC/DC controller targeted for both Boost and SEPIC applications with DC Output Current Limit	SOP10

Step Up/Down Regulator (Power Switch Integrated)

DC/DC

Part Number	V _{IN}		I _{LIM} (A)	f _{SW} (MHz)	V _{OUT} (max) (V)	V _{FB} / Accuracy	Input Quiescent Current (μA)	MOSFET Ron (H/L) (mΩ)	I ² C	Feature/ Special Function	Package
	min (V)	max (V)									
SY9702QOC	2.6	5.5	2	1	3.8	0.6V±1.5%	60	50/50		Output Disconnect @Shutdown	QFN2×3-13
SY9701ADPC	2.6	5.5	1.2	1	3.8	0.6V±1.5%	60	100/100		Output Disconnect @Shutdown	DFN3×3-14
SY9329QFC	4	28	Programmable 6A/8A/10A	0.25/0.5/0.75/1	28	adjustable	310	25/25	√	Selectable Inductor Current Limit and VBUS Output Current Limit Selectable VBUS Output Voltage:5V, 7V, 9V, 12V, 15V, 20V	QFN4×4-32
SY9329BQFC	4	28	Programmable 6A/8A/10A	0.25/0.5/0.75/1	28	adjustable	310	25/25	√	Selectable Inductor Current Limit and VBUS Output Current Limit Selectable VBUS Output Voltage:5V, 9V, 10V, 12V, 15V, 20V	QFN4×4-32
SY9329CQFC	4	28	Programmable 6A/10A	0.25/0.5	28	1V±1.5%	300	25/25		Programmable Output Current Limitation with Ext. Sensing Resistor	QFN4×4-32

LDO Regulator

Part Number	V _{IN} (Min)(V)	V _{IN} (Max)(V)	V _{OUT} (V)	I _{OUT} (A)	Dropout Voltage (mV)	Package	Function
SY6340BAAC	3.6	30	3.3	0.05	100	SOT23-5	LDO Reg.
SY6340DEC	2.3	30	Adjustable	0.15	300	DFN2×2-6	LDO Reg.
SY6340AAC	2.3	30	Adjustable	0.15	300	SOT23-5	LDO Reg.
SY6345AAC	4	40	Adjustable	0.3	300	SOT23-5	LDO Reg.
SY6307BSCC	0.8	5.5	Adjustable	0.5	90	DFN1.2×1.2-6	Current Limiting Protection, Auto-discharge
SY6301DSC	1.6	5.5	Adjustable	1	0.32V @ I _{OUT} =1A, V _{OUT} =1.5V 0.18V @ I _{OUT} =1A, V _{OUT} =2.8V	DFN3×3-6	Current Limiting Protection, Auto-discharge
SY6301BAJC	1.6	5.5	3.3	1	200	SOT223	Current Limiting Protection
SY6103JBC	3	18	Adjustable	3	0.48V @ I _{OUT} =3A	TO252-5	Zero-current Shutdown Mode; Output Short Circuit Protection
SY6103MAC	3	18	Adjustable	3	0.48V @ I _{OUT} =3A	TO263-5	Zero-current Shutdown Mode; Output Short Circuit Protection
SY6103BMAB	3	18	Adjustable	3	0.48V @ I _{OUT} =3A	TO263-5	Zero-current Shutdown Mode
SY6353MAC	3	55	Adjustable	3	0.45V @ Full Load 3A	TO263-5	Zero-current Shutdown Mode
SY6355DBC	2.375	3.5	Adjustable	3	/	DFN3×3-10	Sink and Source DDR Termination Regulator

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Protection Switch

Part Number	Package	Enable Logic	OCP	OVP	No. of Channels	V _{IN} (V)	I _{OUT} (A)	R _{DS(ON)} (mΩ)	Special Function
SY6288AAAC	SOT23-5	H	✓		1	2.5~5.5	0.6	80	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6288BAAC	SOT23-5	L	✓		1	2.5~5.5	0.6	80	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6811PDC	CSP0.9×0.9-4	H			1	1.05~1.95	1	45@V _{IN} =1.2V 35@V _{IN} =1.8V	Auto output cap discharge function, ultra low input voltage
SY6829PRC	CSP0.79×0.79-4	H		✓	1	2.5~6	1	96	Precise clamping output voltage
SY6819AFAC	SO8	H	✓		1	4.5~18	1.2	110@V _{IN} =12V	Programmable blanking time for DFF control, Default Off when EN ON
SY6819FAC	SO8	H	✓	✓	1	4.5~18	1.2	110@V _{IN} =12V	Programmable blanking time for DFF control, Default On when EN ON
SY6829BPRC	CSP0.79×0.79-4	H			1	1.8~5.5	1.5	80	Independent ON/OFF Control Input
SY6280DAAT	SOT23-5	H	✓		1	2.5~5.5	0.1~2	65	Programmable current limit, reverse blocking
SY6280AAAC	SOT23-5	H	✓		1	2.4~5.5	0.4~2	63	Programmable current limit, reverse blocking
SY6281AAAC	SOT23-5	L	✓		1	2.4~5.5	0.4~2	63	Programmable current limit, reverse blocking
SY6288C20AAC	SOT23-5	H	✓		1	2.5~5.5	2	65	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6288D20AAC	SOT23-5	L	✓		1	2.5~5.5	2	65	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6882ADFC	DFN2×2-8	H		✓	1	3~23	2	100	Fixed internal OVP@7.1V, Thermal Shutdown Protection & Auto Recovery
SY6882BDFC	DFN2×2-8	H		✓	1	3~23	2	100	Programmable OVP Threshold Thermal Shutdown Protection & Auto Recovery
SY6883ABC	SOT23-6	H		✓	1	3~23	2	100	Programmable OVP Threshold Thermal Shutdown Protection & Auto Recover
SY6287CABC	SOT23-6	H	✓		1	2.5~5.5	2	65	TUV/CB, UL Certificate
SY6287BDEC	DFN2×2-6	L	✓		1	2.5~5.5	0~2	65	High accurate programmable current limit, reverse blocking
SY6287CDEC	DFN2×2-6	H	✓		1	2.5~5.5	0~2	65	High accurate programmable current limit and reverse blocking
SY6287ZDEC	DFN2×2-6	H	✓		1	2.5~5.5	2	65	Output discharge at shutdown Reverse Blocking, OCB indicator
SY6287LABC	SOT23-6	H	✓		1	2.5~5.5	2	65	Adjustable Current Limit up to 2.0A, OCP/OTP with Latch Off Function
SY6816APAC	CSP0.78×0.78-4	H			1	1.05~5.5	2	37@V _{IN} =5V 38@V _{IN} =3.3V 43@V _{IN} =1.8V	load switch with controlled slew rate
SY6829APRC	CSP0.79×0.79-4	H			1	1.8~5.5	2	95	Ultra low quiescent current for IoT application
SY6288C7AAC	SOT23-5	H	✓		1	2.5~5.5	2.5	70	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB Certificate
SY6288D7AAC	SOT23-5	L	✓		1	2.5~5.5	2.5	70	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB Certificate
SY6288C5CAC	MSOP8	H	✓		1	2.5~5.5	2.5	70	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6288D5CAC	MSOP8	L	✓		1	2.5~5.5	2.5	70	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6282LACC	TSOT23-5	H	✓		1	2.4~6	2.5	80	Programmable current limit

Part Number	Package	Enable Logic	OCP	OVP	No. of Channels	V _{IN} (V)	I _{OUT} (A)	R _{DS(ON)} (mΩ)	Special Function
SY6280CAAT	SOT23-5	H	√		1	2.5~5.5	0.1~2.5	65	Programmable current limit, reverse blocking
SY6288F3ABC	SOT23-6	H	√		1	2.5~5.5	0~3	45	programmable current limit and reverse blocking, UL Certificate
SY6288E1AAC	SOT23-5	H	√		1	2.5~5.5	3	45	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6288E2AAC	SOT23-5	L	√		1	2.5~5.5	3	45	Output discharge at shutdown Reverse Blocking, OCB indicator, TUV/CB, UL Certificate
SY6288F2ABC	SOT23-6	L	√		1	2.5~5.5	3	45	Output discharge at shutdown Reverse Blocking, OCB indicator, UL Certificate
SY6282ACC	TSOT23-5	H	√		1	2.4~6	3	50	Output discharge at shutdown Reverse Blocking, OCB indicator
SY6283ADRC	DFN1.2×1.6-4	H	√		1	2.5~5.5	3	60	Output discharge at shutdown Reverse Blocking
SY6283DRC	DFN1.2×1.6-4	H	√		1	2.5~5.5	3	60	Reverse blocking output, ultra low input voltage
SY6813PEC	6 ball CSP	H			1	1.2~5.5	3	22	Auto output cap discharge function
SY6813APEC	6 ball CSP	H			1	1.2~5.5	3	22	No output cap discharge function
SY6821AAC	SOT23-5	H			1	0.6~3.6	3	45	Programmable turn-on delay, Automatic shutdown discharge
SY6861A1AAC	SOT23-5	H	√		1	2.5~5.5	3	45	Output discharge at shutdown Reverse Blocking, OCB indicator, UL Certificate
SY6861B1ABC	SOT23-6	H	√		1	2.5~5.5	3	45	Output discharge at shutdown Reverse Blocking, OCB indicator, UL Certificate
SY6861A2AAC	SOT23-5	L	√		1	2.5~5.5	3	45	Output discharge at shutdown Reverse Blocking, OCB indicator, UL Certificate
SY6861B2ABC	SOT23-6	L	√		1	2.5~5.5	3	45	Output discharge at shutdown Reverse Blocking, OCB indicator, UL Certificate
SY6863B2ABC	SOT23-6	L	√	√	1	2.5~5.5	3	45	Support Fast Role Swap, OCB, Reverse Block up to 28V, TUV/CB, UL Certificate
SY6863B3ABC	SOT23-6	H	√	√	1	2.5~5.5	3	45	Support Fast Role Swap, OCB, Reverse Block up to 28V, TUV/CB, UL Certificate
SY6863B4ABC	SOT23-6	L	√	√	1	2.5~5.5	3	45	Support Fast Role Swap, OCB, Reverse Block up to 28V, TUV/CB, UL Certificate
SY6886UGC	CSP1.50×1.64-12	H	√	√	1	3~18	3	45	OCP/TSD/OVP Protection; Auto-recovery; Programmable current limit, Reverse blocking
SY6886BUGC	CSP1.50×1.64-12	H	√	√	1	3~18	3	45	OCP/TSD/OVP Protection; Auto-recovery; Programmable current limit
SY6821ADQC	DFN1.5×1.5-6	H			1	0.6~3.6	4	16	Programmable turn-on delay & Automatic shutdown discharge
SY6823DFC	DFN2×2-8	H			2	0.6~5.5	4	28	Programmable turn-on delay & ramp-up time, integrated OTP SCP
SY6874DBC	DFN3×3-10	H	√	√	1	2.5~30	4	50	Programmable soft-start & current limit, 3.3V/5V/12V selectable clamping output
SY6818PLC	CSP1.73×1.73-12	H		√	1	2.5~30	5	R _{PWPT} =53mΩ (typ.)	Programmable OVP with Integrated Reverse Blocking FET, accurate current level indicator
SY6875ADBC	DFN3×3-10	H	√	√	1	2.5~30	5	40	Programmable soft-start & current limit, 3.3V/5V/12V selectable clamping output
SY6875CDBC	DFN3×3-10	H	√	√	1	2.5~30	5	40	Programmable soft-start & current limit, 3.3V/5V/12V selectable clamping output

Protection Switch

Part Number	Package	Enable Logic	OCP	OVP	No. of Channels	V _{IN} (V)	I _{OUT} (A)	R _{DS(ON)} (mΩ)	Special Function
SY6875DDBC	DFN3×3-10	H	√	√	1	2.5~30	5	40	Programmable soft-start & current limit, 3.3V/5V/9V selectable clamping output
SY6875FDBC	DFN3×3-10	H	√	√	1	2.5~30	5	50	Programmable softstart¤t limit, 3.3V/5V/12V selectable clamping output
SY6895ADBC	DFN3×3-10	H	√	√	1	2.5~12	5	40	Fixed Current Limit, Prog. SS
SY6895CDBC	DFN3×3-10	H	√	√	1	2.5~12	5	40	Fixed Current Limit, Prog. SS
SY6884PYC	CSP0.89×1.43-6	H		√	2	2.5~25	5	30	Programmable Over Voltage Threshold
SY6862AQLC	QFN3×4-16	H	√	√	2	HV: 4.5~23 5V: 4~5.5	HV: 5A 5V: 3A	35 (HV Power Path) 50 (5V Power Path)	I ² C Interface, 2 to 1 Power MUX, Fast Role Swap, Programmable Over Current Response Time for HV Power Path
SY6862BQLC	QFN3×4-16	H	√	√	2	HV: 4.5~23 5V: 4~5.5	HV: 5A 5V: 3A	35 (HV Power Path) 50 (5V Power Path)	I ² C Interface, 2 to 1 Power MUX, Fast Role Swap, Programmable Over Current Response Time for HV/5V Power Path, RVS_Mask bit
SY6862CQLC	QFN3×4-16	H	√	√	2	HV: 4.5~23 5V: 4~5.5	HV: 5A 5V: 3A	35 (HV Power Path) 50 (5V Power Path)	I ² C Interface, 2 to 1 Power MUX, Fast Role Swap, Programmable Over Current Response Time for HV/5V Power Path, , RVS_Mask bit
SY6880CPGC	CSP1.8×2-12	H		√	1	2.5~28	5A continuous, 8A peak	38	Fixed internal OVP@6.8V, Reverse block, Surge protection up to 80V
SY6880APGC	CSP1.8×2-12	H		√	1	2.5~28	5A continuous, 8A peak	38	Programmable Over Voltage Threshold from +4V to +7V
SY6881PTC	CSP1.32×1.86-12	H		√	1	2.5~28	Programmable 5A	R _{PWPT} =32mΩ (typ.)	Programmable Over Voltage Threshold from +4V to +22V
SY6898ERYC	QFN2×2-9	H	√		1	2.95~6.5	5	30	Selectable Clamping Output Voltage
SY6896RYC	QFN2×2-9	H	√		1	2.7~5.5	5	30	Programmable high current limit, reverse blocking, VIN state indicate, Selectable Clamping Output
SY6897ATLC	QFN2×2-12	H	√		1	2.5~16	1~5	30	Programmable OUT Slew Rate
SY6885BQDC	QFN3×3-16	H	√	√	1	4~60	5	40	OCP/TSD/OVP Protection, Auto-recovery, Programmable Output Voltage Clamping
SY6876AQSC	QFN3×4-20	H	√	√	1	2.7~18	0.6~5.3	42	True reverse blocking, programmable current limit & dV/dt control, power good and fault outputs
SY6234DUC	DFN3×2-14	H	√		2	0.8~5.5	6	18	Dual-channel, Programmable soft-start time
SY6210DHC	DFN2×3-10	H			1	0.6~5.5	10	2.8	Controlled and Adjustable Slew Rate through C _{SST} , PG Indicator
SY86900IAC	DFN4×3-14	H	√		1	6~80	/	/	Positive High Voltage Ideal Diode-OR with Input Supply and Fuse Monitors

Part Number	Package	Number of Supplies Monitored	Output Driver/ Reset Output	Threshold Voltage (V)	Delay Time (ms)	Reset Threshold Accuracy	Quiescent Current (μ A)	Features
SY6370ADTD	DFN1.45 \times 1-6	1	Active high, Push-pull	Adjustable	Programmable	\pm 1%	9	EN ON delay time programmable
SY6370EDTD	DFN1.45 \times 1-6	1	Active high, open drain	Adjustable	Programmable	\pm 1%	9	EN ON delay time programmable
SY6370FDTC	DFN1.45 \times 1-6	1	Active high, open drain	Adjustable	Programmable	\pm 1%	9	200ns EN ON delay time

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Power Module



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5V Bus Buck Module

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	I _{OUT} (Max) (A)	F _{SW} (MHz)	Output Voltage (V)	V _{FB} Accuracy	Efficiency @ full load	Features	Package	Height (Max)(mm)
SQ76081QUC	2.5	5.5	0.6	3	Adjustable	±2%	80% @ 3.3V _{IN} , 1.8V _{OUT}		QFN2x1.5-8	1
SQ76081AQC	2.5	5.5	0.6	3	1.2	±2%	-		QFN2x1.5-8	1
SQ76081BQC	2.5	5.5	0.6	3	1.5	±2%	-		QFN2x1.5-8	1
SQ76081CQC	2.5	5.5	0.6	3	1.8	±2%	-		QFN2x1.5-8	1
SQ76081DQC	2.5	5.5	0.6	3	2.5	±2%	-		QFN2x1.5-8	1
SQ76081EQC	2.5	5.5	0.6	3	3.3	±2%	-		QFN2x1.5-8	1
SQ76083QUC	1.8	5.5	0.6	3	Adjustable	±2%	83% @ 3.3V _{IN} , 1.8V _{OUT}	Low Iq	QFN2x1.5-8	1
SQ76001RCC	2.5	5.5	1.2	3	Adjustable	±2%	79% @ 3.3V _{IN} , 1.8V _{OUT}		QFN2.5x2-8	1.1
SQ76002AQC	2.7	5.5	2	3	Adjustable	±1.5%	88.7% @ 3.3V _{IN} , 1.8V _{OUT}		QFN3x3-10	1.1
SQ76003AQC	2.7	5.5	3	3	Adjustable	±1.5%	86% @ 3.3V _{IN} , 1.8V _{OUT}		QFN3x3-10	1.1
SQ76003DAFM	2.5	6	3	2.4	Adjustable	±1%	88% @ 3.3V _{IN} , 1.8V _{OUT}		MDFN2.5x2-10	1.3
SQ76004QNC	2.7	5.5	4	3	Adjustable	±1.5%	85% @ 3.3V _{IN} , 1.8V _{OUT}		QFN3x3-10	2.1
SQ76825BQLQ	2.7	5.5	6	1.5	Adjustable, Default: 1V	±1%	83% @ 3.3V _{IN} , 1V _{OUT}	I ² C	QFN3x4-16	2.1
SQ76825B2QLQ	2.7	5.5	6	1.5	Adjustable, Default: 0.85V	±1%	83% @ 3.3V _{IN} , 1V _{OUT}	I ² C	QFN3x4-16	2.1
SQ76825CQLQ	2.7	5.5	6	1.5	Adjustable, Default: 1.5V	±1%	83% @ 3.3V _{IN} , 1V _{OUT}	I ² C	QFN3x4-16	2.1
SQ76825DABM	2.7	5.5	6	1.5	Adjustable, Default: 0V	±1%	83% @ 3.3V _{IN} , 1V _{OUT}	I ² C	MQFN3x4-16	2.1
SQ76825EAIM	2.7	5.5	6	1.5	Adjustable, Default: 1V	±1%	83% @ 3.3V _{IN} , 1V _{OUT}	I ² C	MQFN3.2x4.2-16	2.1

12V Bus Buck Module

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	I _{OUT} (Max) (A)	F _{SW} (MHz)	Output Voltage (V)	V _{FB} Accuracy	Efficiency @ full load	Features	Package	Height (Max)(mm)
SQ76101THC	4.5	18	1	2	Adjustable	±2%	85% @ 12V _{IN} , 3.3V _{OUT}		QFN2.5x2.5-8	2.1
SQ76102ATRC	4.5	18	2	1	Adjustable	±1%	92% @ 12V _{IN} , 5V _{OUT}		QFN3x3-7	2.1
SQ76103ATRC	4.5	18	3	1	Adjustable	±1%	91% @ 12V _{IN} , 5V _{OUT}		QFN3x3-7	2.1

12V Bus Buck Module

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	I _{OUT} (Max) (A)	F _{SW} (MHz)	Output Voltage (V)	V _{FB} Accuracy	Efficiency @ full load	Features	Package	Height (Max)(mm)
SQ76110VVQ	4.5	16	15	Adj	Adjustable	±1%	92% @ 12V _{IN} , 3.3V _{OUT}		QFN7×8-52	4.5
SQ76195RLQ	4.5	15	5	1.5	Adjustable	±1%	86.5% @ 12V _{IN} , 3.3V _{OUT}	I ² C	QFN5×5-20	2.1
SQ76202QNC	4.5	23	2	1.7	Adjustable	±1.5%	83% @ 12V _{IN} , 3.3V _{OUT}		QFN3×3-10	2.1
SQ76201QLQ	5	23	1.5	0.6	Adjustable	±1%	87.5% @ 12V _{IN} , 3.3V _{OUT}		QFN3×4-16	2.1
SQ76201AQLQ	5	16.5	1	0.6	Adjustable	±1%	85% @ 12V _{IN} , -5V _{OUT}	Reverse V _{OUT} Buck-Boost	QFN3×4-16	2.1

Non-isolated Module

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	I _{OUT} (Max) (A)	F _{SW} (MHz)	Output Voltage (V)	V _{FB} Accuracy	Efficiency @ full load	Features	Package	Height (Max)(mm)
SQ75072QNC	0.85	5.5	0.5	2	Adjustable	±1.5%	90% @ 3.3V _{IN} , 5V _{OUT}	Boost	QFN3×3-10	1.1
SQ75001QNC	0.85	5.5	1	2	Adjustable	±1.5%	90% @ 3.3V _{IN} , 5V _{OUT}	Boost	QFN3×3-10	2.1
SQ74001ACM	2.65	5.5	1.5	1	3.3 (Recommended)	±1.5%	84.5% @ 3.3V _{IN} , 3.3V _{OUT}	Buck-Boost	MQFN2×3-13	1.2

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Based on patent 3D package technology and advanced single-die solution, Silergy provides higher power density and larger capacity, reducing size, total cost and layout complexity.

Silergy power module have been widely used in 5G, communication, server, industry, robot and other fields.



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Battery Management

Part Number	Function	Package	V _{IN} (V)	Max. Charge Current (A)	F _{sw} (MHz)	Series Cells	Cell Voltage	Special Function
SY6978ADC	Linear Charger	TSOT23-6	3.8~5.5	0.5	/	Single Cell	4.2V	High CC&CV Accuracy, Thermal regulation
SY6927FAC	Single-Cell High Efficiency Switching Charger	SO8	4~16	1.2	0.8	Single Cell	4.1V	Adaptive Input Current Limit
SY6927BFAC	Single-Cell High Efficiency Switching Charger	SO8	4~16	1.5	0.8	Single Cell	4.2V	Adaptive Input Current Limit
SY6923PPC	Single-Cell with USB-OTG	CSP1.93x2.05-20	4~6	1.55	3	Single Cell	3.5~4.44V	Compliance with USB and USB OTG, MTK reference design
SY6923D1PPC	Single-Cell with USB-OTG	CSP1.93x2.05-20	4~6	1.25/1.55	3	Single Cell	3.5~4.44V	Compliance with USB and USB OTG
SY6908AQDC	Single-Cell Bi-directional Power Bank	QFN3x3-16	4.5~5.5	2	0.5	Single Cell	4.2V	Adaptive current limit, 2.5A Boost, 3in1 Power Bank
SY6908BQDC	Single-Cell Bi-directional Power Bank	QFN3x3-16	4.5~5.35	2	0.5	Single Cell	4.35V	Adaptive current limit, 2.5A Boost, 3in1 Power Bank
SY6918AQDC	Single-Cell Bi-directional Power Bank	QFN3x3-16	4.5~5.35	2	0.5	Single Cell	4.2V,4.35V	Prog. current limit, 2.5A Boost
SY6952AQIC	Single-cell Charger Step Down Reg.	QFN4x4-16	4~23	2	0.8	Single Cell	4.2V,4.35V	Power Path Management and Adaptive Input Current Limit
SY6952CDCC	Single-cell Charger Step Down Reg.	DFN3x3-12	4~23	2	0.8	Single Cell	4.2V, 4.35V	Power Path Management and Adaptive Input Current Limit
SY6952BFCC	Single-cell Charger Step Down Reg.	SO8E	4~23	2	0.8	Single Cell	4.2V, 4.35V	Adaptive Input Current Limit
SY6952B1FCC	Single-cell Charger Step Down Reg.	SO8E	4~23	2	0.8	Single Cell	4.1V, 4.4V	Adaptive Input Current Limit
SY6918EQDC	Single-cell Battery Power Bank Charger	QFN3x3-16	4.7~5.5	2	0.5	Single Cell	4.25V, 4.4V	Prog. Current Limit, 2.5A Boost
SY6918CQDC	Single-Cell Bi-directional Power Bank	QFN3x3-16	4.5~5.35	2.5	0.5	Single Cell	4.2V, 4.35V	Prog. Current Limit, 2.5A Boost
SY6918GQDC	Single-cell Battery Power Bank Charger	QFN3x3-16	4.5~5.35	2.5	0.5	Single Cell	4.2V, 4.35V	Prog. Current Limit, 4.75V Boost
SY6907QCC	Single Cell NVDC Switching Charger	QFN4x4-24	3.9~6	2.5	1.5	Single Cell	3.5~4.4V	I ² C Control, USB OTG, Power Path Management
SY6924QDC	Multi-cell Charger Step Down Reg.	QFN3x3-16	4~14	2.5	0.5	1-2 Cells	4.2V, 4.35V	Adaptive input current limit, Blocking FET integrated
SY6924BQDC	Multi-cell Charger Step Down Reg.	QFN3x3-16	4~14	2.5	0.5	1-2 Cells	4.1V, 4.25V	Adaptive input current limit, Blocking FET integrated
SY6924CQDC	Multi-Cell Li-Ion Battery Charger	QFN3x3-16	4~13	2.5	0.5	1-2 Cells	4.1V, 4.2V	Adaptive Input Power Limit, Blocking FET integrated
SY6928TYC	Single Cell Li-Ion DC/DC Switching Charger	QFN4x4-26	4.5~5.7	3	0.35	Single Cell	4.2V/4.35V/4.4V	dual output data port, adjustable battery level indication

Switching Charger

Part Number	Function	Package	V _{IN} (V)	Max. Charge Current (A)	F _{sw} (MHz)	Series Cells	Cell Voltage	Special Function
SY6928BTYC	Single Cell Li-Ion DC/DC Switching Charger	QFN4x4-26	4.5~5.7	3	0.35	Single Cell	4.2V, 4.35V, 4.4V	dual output data port, adjustable battery level indication, 5% low power alarm
SY6974QCC	Single Cell Li-Ion DC/DC Switching Charger	QFN4x4-24	3.9~13.5	3	1.5	Single Cell	3.856~4.624V, step 32mV	NVDC power path management, OTG
SY6974BQCC	Single Cell Li-Ion DC/DC Switching Charger	QFN4x4-24	3.9~13.5	3	1.5	Single Cell	3.856~4.624V, step 32mV	NVDC power path management, OTG, BC1.2 compliance
SY6974CQCC	Single Cell Li-Ion DC/DC Switching Charger	QFN4x4-24	3.9~13.5	3	1.5	Single Cell	3.856~4.624V, step 32mV	NVDC power path management, OTG, Default Input OVP 14V
SY6970BQCC	Single Cell Li-Ion DC/DC Switching Charger	QFN4x4-24	3.9~14	5	1.5	Single Cell	3.84~4.608V, step 32mV	NVDC power path management, OTG, BC1.2 compliance, Default HVTYPE=12V
SY6970DQCC	Single Cell Li-Ion DC/DC Switching Charger	QFN4x4-24	3.9~14	5	1.5	Single Cell	3.84~4.608V, step 32mV	NVDC power path management, OTG, BC1.2 compliance, Default HVTYPE=9V
SY6935QDC	High Current Step-down Charger	QFN3x3-16	4~14	3.5	0.5	1-2 Cells	4.2V, 4.35V	Adaptive input current limit, Blocking FET integrated
SY6935BQDC	High Current Step-down Charger	QFN3x3-16	4~14	3.5	0.5	1-2 Cells	4.25V, 4.4V	Adaptive input current limit, Blocking FET integrated
SY6991QYC	Single-Cell Bi-directional Power Bank	QFN4x4-20	4~13.5	5	0.3, 0.5	Single Cell	4.1V, 4.2V, 4.35V, 4.4V	I ² C controlled, USB and Protocol IC Compliance, 20W Boost
SY6995QE	Bi-Direction Regulator for Single Cell Li-Ion Battery	QFN5x5-32	4~13.5	8	0.26, 0.34, 0.42, 0.5	Single Cell	4.1V, 4.2V, 4.35V, 4.4V	Dual ports, Bi-direction for USB-C, I ² C, ADC, BC1.2, 28W Boost
SY6996VCC	3IN1 1-Cell Li-Ion Switching Charger for Power Bank	QFN5x5-34	4.6~13.2	5	Programmable	Single Cell	4.2V, 4.35V, 4.4V	QC3.0, AFC/FCP compliance, Battery Fuel Gauge Indicator
SY6990QCC	Single-Cell Bi-directional Power Bank	QFN4x4-24	4~13.5	5	0.5	Single Cell	4.1V, 4.2V, 4.35V, 4.4V	I ² C controlled, USB Compliance, 5V/3A&12V/1.2A Boost
SY6915RBC	Multi-cell Battery Charger Controller Supporting Boost Mode	QFN3.5x3.5-20	4.5~25	8.128	Programmable (0.615, 0.75 and 0.885)	1-4 Cells	Programmable (1.024V~4.8V)	SMBUS Controls
SY6983QDC	3-cell Synchronous Boost Li-Ion Battery Charger	QFN3x3-16	3.6~12.8	1	0.5	3 Cells	4.2V, 4.35V	Prog. Charge Current & Timer, Adaptive Input Current Limit
SY6981QDC	2-cell Synchronous Boost Li-Ion Battery Charger	QFN3x3-16	3.6~5.5	1.2	1	2 Cells	4.1V, 4.2V, 4.35V, 4.4V	Prog. Charge Current & Timer, Adaptive Input Current Limit
SY6982NQDC	Two-Cell Boost Li-Ion Battery Charger With System Power Path Management	QFN3x3-16	3.6~5.5	1.5	1	2 Cells	8.4V	System Power Path Management; External Separated Control for Boost and BATFET
SY6982EQDC	2 cell Boost Li-Ion Battery Charger	QFN3x3-16	3.6~5.5	2	1	2 Cells	4.2V, 4.35V	Prog. Charge Current & Timer, Adaptive Input Current Limit
SY6982E1QDC	2 cell Boost Li-Ion Battery Charger	QFN3x3-16	3.6~5.5	2	1	2 Cells	4.25V, 4.4V	Prog. Charge Current & Timer, Adaptive Input Current Limit
SY6982FQDC	2 cell Boost Li-Ion Battery Charger	QFN3x3-16	3~5.5	2	1	2 Cells	4.2V	Prog. Charge Current & Timer, Adaptive Input Current Limit

Switching Charger

Part Number	Function	Package	V _{IN} (V)	Max. Charge Current (A)	F _{SW} (MHz)	Series Cells	Cell Voltage	Special Function
SY6984QDC	2-cell Boost Li-Ion Battery Charger	QFN3x3-16	3.6~5.5	2	1	2 Cells	4.2V, 4.35V	Prog. Charge Current&Timer, Cell Balance Control
SY6981BQDC	2-cell Boost Li-Ion Battery Charger	QFN3x3-16	3.6~5.5	2	1	2 Cells	4.1V,4.2V,4.25V,4.35V	Prog. Charge Current&Timer, Adaptive Input Current Limit
SY6986RAC	2-cell Boost Li-Ion Battery Charger	QFN3x3-20	3.6~5.5	1.6	0.5	2 Cells	4.1V,4.2V, 4.35V	Prog.Charge Current&Timer, Cell Balance&Limit Control, NTC JEITA Compliance
SY7994QYC	Synchronous Boost converter with QC3.0	QFN4x4-20	2.7~4.5	/	0.3, 0.5	Single Cell	/	QC3.0 Compliance
SY6953QIC	2-4 cells Li-Ion synchronous Buck charger	QFN3x3-18	4~28	2	0.5	2-4 Cells	4.1V,4.2V,4.35V	Prog. Input Current Limit, Thermal Regulation, NTC JEITA Compliance
SY6961QFQ	Multi-cell Buck-Boost Battery Charger	QFN4x4-32	3.5~25	8.128	0.8, 1.2	1-4 Cells	1.024V - 19.2V	Prog. CV, CC, VSYSMIN, VDPM, IDPM, OTGCV, OTGCC by I ² C, Power/Current Monitor, PROCHOT, PTM, VAP
NEW								
SY6969QFQ	Multi-cell Buck-Boost Battery Charger	QFN4x4-32	3.5~25	8.128	0.8, 1.2	1-4 Cells	1.024V - 19.2V	Prog. CV, CC, VSYSMIN, VDPM, IDPM, OTGCV, OTGCC by SMBus, Power/Current Monitor, PROCHOT, PTM, VAP

Switched Capacitor Charger

Part Number	Function	Package	ADC	V _{IN} (V)	Typical Output Current(A)	F _{SW} (kHz)	MOSFET Peak Current(A)	Support Protocol	Protection
SY6510UIC	High Efficiency Single Phase 2:1 Switched Capacitor Converter	CSP2.57x3.71-34	NO	4.5~20	2	125~1000	14.5	No	OCP, OTP, OVP
SY6537CVLS	8A dual phase switched capacitor battery charger with ADC	CSP3.03x3.34-56	Yes	3.5~12	8	250~1000	16	No	OCP, OVP, OTP, UCP, VDR
SY6536VES	Dual Phase Switched Capacitor battery charger with ADC	CSP2.6x2.68-36	Yes	3.5~12	5	250~1000	10	SCP	OCP, OVP, OTP, UCP, VDR

Wireless Charger

Part Number	Function	Package	TX/RX	Wireless Power Standard	Input Voltage Range (V)	Output Voltage Range (V)	Output Power Max (W)
NE6053	Wireless Power Receiver	QFN5x5x0.8-32	RX	WPC 1.2.4		5	5
NE6101	Wireless Power Receiver	CSP3.85x4.05x0.6-90	RX	WPC 1.2.4		5/9	10
SY65153	Wireless Power Receiver For Cellphone	CSP2.64x3.94x0.6-52	RX	WPC 1.2.4		5/9/12	15
SY65153A	Wireless Power Receiver For TWS/Wearable	CSP2.64x3.94x0.6-52	RX	WPC 1.2.4		5/9/12	15
NE8051	Wireless Power Transmitter	QFN5x5x0.8-40	TX	WPC 1.2.4	5		5
NE8101	Wireless Power Transmitter	QFN5x5x0.8-40	TX	WPC 1.2.4	5/9		10
SY66151	Wireless Power Transmitter	QFN5x5x0.8-40	TX	WPC 1.2.4	12~19		15
SY6507TCC	Half-Bridge Wireless Power Transfer	QFN2x3-12	TX	WPC	4~22		5

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Silergy battery management solutions make it easier for you to design more efficient, longer lasting, and more reliable battery applications. Silergy battery management portfolio includes chargers, monitors and protection ICs, wireless charging that can be used in industrial, automotive and personal electronics applications.

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PMIC

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	Number of Channels	Package	Application	Integrated Function
SY8631BQCC	2.5	5.5	5	QFN4x4-24	Portable Media Players	2ch synchronous buck and 3ch LDO, one RESET output and forced PWM mode selection
SY8970UBC	2.6	5.5	1 Ch LSW+1 Ch LDO + 3 Chs Buck	Fan-out CSP3.2x4.2-48	SSD Power System, Microcontrollers	3.4MHz I2C; Auto PFM/FCCM control; Dedicate Sleep Control; Power Good indicator; Protection: OVP/OCP/SCP/OTP.
SY8600CPZC	2.8	5.5	5 Chs Buck+2 Chs LDO	CSP3.23x3.23-52	SSD	5 Chs Buck(2Ch can work LSW), 2Ch LDO. 3.4MHz I2C, Hardware sleep control; Reset output; Auto PFM/FCCM control; OVP/OCP/SCP/OTP. Enable Output Control
SY8600EPZC	2.8	5.5	5 Chs Buck+2 Chs LDO	CSP3.23x3.23-52	SSD	5 Chs Buck(2Ch can work LSW), 2Ch LDO. 3.4MHz I2C, Hardware sleep control; Reset output; Auto PFM/FCCM control; OVP/OCP/SCP/OTP. Enable Output Control
SY8600PZC	2.8	5.5	5 Chs Buck+2 Chs LDO	CSP3.23x3.23-52	SSD	5 Chs Buck(2Ch can work LSW), 2Ch LDO. 3.4MHz I2C, Hardware sleep control; Reset output; Auto PFM/FCCM control; OVP/OCP/SCP/OTP.
SY70200PZS	2.8	5.5	5 Chs Buck+2 Chs LDO	CSP3.2x3.2-52	SSD	3.4MHz I2C, Hardware sleep control; Reset output; Auto PFM/FCCM control; OVP/OCP/SCP/OTP. Enable Output Control

HV PMIC

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	Number of Channels	Package	Application	Integrated Function
SY6402QVC	2.7	16	1	QFN3x4-19	SSD	Input-side current limit switch Bi-directional DC-DC Regulator with disconnect switch: Boost Charging Mode and Buck Discharging Mode
SYT664RGC	2.6	16	1	QFN4x4-25	SSD	Input-side reverse blocking switch Bi-directional DC/DC regulator, I2C interface
SY8665TTC	4.5	28	2	QFN3x3-19	Notebook/Monitor/Desktop	Wide input voltage range, high efficiency PMIC for USB power delivery applications. The device integrates a 5A buck regulator, a external PMOS driver and a external NMOS driver to realize power path control
SY8665DTTC	4.5	28	2	QFN3x3-19	Notebook/Monitor/Desktop	Wide input voltage range, high efficiency PMIC for USB power delivery applications. The device integrates a 5A buck regulator, external PMOS driver and a external NMOS driver to realize power path control
SY8688DPUC	2.6	28	3	CSP3.33x3.53-36	Mobile/POS	High Integration Power Management Unit with Single-cell Switching Charger, I2C Interface, OTG Operation Power Path Management, and 2-Channel Flash LED Driver for Smart Phone
SY72001RGQ	2.6	16	1	QFN4x4-25	SSD	Input-side reverse blocking switch Bi-directional DC/DC regulator, I2C interface

Panel PMIC

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	Number of Channels	Package	Application	Integrated Function
SY7510TQC	VGH:5V VGL:-18V	VGH:40V VGL:0V	14	QFN4×5-28	TV LCD Panel	14-Channel level shifter
SY7511QFC	VGH=17V VGL=-18V	VGH=42V VGL=-3V	10	QFN4×4-32	TFT LCD Panel/MNT Panel	6 channel+4channel Level shifter
SY7540RPC	AVDD:11V	AVDD:20V DVDD:4V	8	QFN5×5-40	OLED TV Panel	8-channel gamma solution for OLED display
SY7565QCC	8.6	15.9	3	QFN4×4-24	TV LCD Panel	a synchronous Boost regulator and 2 channel high speed operation amplifiers for TV LCD panel
SY7570RMC	3.5	6	6	QFN6×6-48	TFT LCD Panel MNT Panel	AVDD Boost converter, VGH boost converter, VOFF2 & VSS negative charge pumps, two buck converters, one operational amplifier, 4ch gamma outputs, 4ch outputs level shifter.
SY7571RKC	8	18	22	QFN6×6-52	FHD TV LCD Panel	a synchronous Buck regulators, an AVDD Boost regulator, an HAVDD OPAMP, a positive and a negative charge pump controller for VGH and VGL, a gate pulse modulator VGHM, 14 channel gamma and 2 channel VCOM OPAMP
SY7573QJC	8	18	5	QFN7×7-48	TV LCD Panel	AVDD Boost, VGH/VGL charge pump, VCOM OPAMP, GPM, DVDD, Gamma reference LDO
SY7578TOQ	9.5	14.7	14	QFN8×8-72	TV LCD Panel	AVDD Boost, VGH/VGL charge pump, VCOM OPAMP, Gamma reference LDO
SY7627RMC	VDD: 2.6V VGH: 7V VGL: -20V VSS1/2: VGL+0.3V	VDD: 5.5V VGH: 40V VGL: 0V VSS1/2: VGL0V	19	QFN6×6-48	TV LCD Panel	19-Channel level shifter
SY7627ARMC	VDD: 2.6V VGH: 7V VGL: -20V VSS1/2: VGL+0.3V	VDD: 5.5V VGH: 40V VGL: 0V VSS1/2: VGL0V	19	QFN6×6-48	TV LCD Panel	19-Channel level shifter
NEW SY7627DRMC	VDD: 2.6V VGH: 7V VGL: -20V VSS1/2: VGL+0.3V	VDD: 5.5V VGH: 40V VGL: 0V VSS1/2: VGL+0.3V	19	QFN6×6-48	TV LCD Panel	19-Channel level shifter
SY7630CQCC	2.3	5.5	3	QFN4×4-24	Monitor/NB LCD Panel Power	AVDD Boost, VGH/VGL charge pump, VCOM OPAMP, GPM
SY7634RPC	9.5	14	7	QFN5×5-40	UD TV LCD Panel	2 channel Buck regulators , an AVDD Boost regulator , a VGH Boost or charge pump controller, a VGL Buck-Boost or charge pump controller, and an OPAMP with temperature compensation
SY7636ARMC	2.9	5.5	4	QFN6×6-48	E-Book/E- Writer/E-ink EPD	+/-15V LDOs for EPD source driver, adjustable pos. & neg. charge pumps for EPD gate driver, a VCOM OPAMP, temperature measurement function
SY7686DCC	2.5	5.5	2	DFN3×3-12	PAD panels/Active Matrix OLED	a synchronous boost regulator and a synchronous Buck-boost regulator

Part Number	V _{IN} (Min) (V)	V _{IN} (Max) (V)	Number of Channels	Package	Application	Integrated Function
SY7687QEC	AVDD:6.5V DVDD:2.5V	AVDD:18V DVDD:3.6V	15	QFN5x5-32	TFT-LCD TVs/Monitors/PC	14 channel voltage references for gamma correction and one voltage reference for VCOM in TFT LCD panels
NEW						
SY7696BQEC	2.9	5.5	5	QFN5×5-32	Electronic Paper Display	a single-chip power management IC designed for electronic paper display
SY71500QFQ	2.6	3.6	13	QFN4x4-32	TV LCD Panel	13 channel level shifters
SY71600RPC	AVDD:11V	AVDD:20V DVDD:3.3V	8	QFN5x5-40	OLED TV Panel	8-channel gamma solution for OLED display
SY71100TOQ	9.5	14.7	36	QFN8x8-72	UD TV LCD Panel	4ch Buck regulator, an AVDD Boost regulator, a VGH positive charge pump, a VGL negative charge pump, 3 channel operation amplifier, 14 channel gamma reference and 12 channel level shifters
SY7561UYC	2.9	4.8	3	CSP2.4x2.4-36	Smartphone OLED Panel	an AVDD synchronous Boost regulator, an ELVDD synchronous BOOST regulator, an ELVSS dual phase BUCK-BOOST regulator

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AC/DC

Part Number	App.Type	LED Channels	Input Voltage	LED Voltage	LED Current	Control Method	Switching Frequency	Package	Int.MOS
SY7319DEC	Phone Backlight	1	3 to 5.5V	<38V	<300mA	Boost	1MHz	DFN2x2-6	40V/1A
SY7301AADC/ SY7301ADBC	Handheld devices Backlight	1	2.8 to 40V	<40V	<300mA	Boost	1MHz	TSOT23-6 /DFN3x3-10	40V/2A
SY7203DBC	Handheld devices Backlight	1	2.8 to 30V	<30V	<300mA	Boost	1MHz	DFN3x3-10	30V/4A
SY7201ABC/ SY7201ADC/ SY7201AABC	Handheld devices Backlight	1	2.8 to 30V	<30V	<300mA	Boost	1MHz	TSOT23-6 /SOT23-6	30V/2A
SY7726POC	Phone/PAD Backlight	2	2.7 to 28V	<40V	<30mA	Boost+LDO	1MHz	CSP 1.31x1.31-9	40V/1A
SY7724QDC	Notebook Backlight	4	2.8-24vdc	<35V	<40mA	Boost+LDO	300KHz to 2MHz	QFN3x3-16	36V/2A
SY7736QDC	Notebook Backlight	6	4.5-24vdc	<40V	<30mA	Boost+LDO	1MHz	QFN3x3-16	40V/2A 40V/30mA
SY7766RAC	Notebook Backlight	6	2.8-28vdc	<38V	<50mA	Boost+LDO	500KHz to 1.2MHz	QFN3x3-20	40V/2.6A 40V/50mA
SY7734DOC	Monitor Backlight	4	4.5-28vdc	<65V	<180mA	Boost+LDO	200KHz-900KHz	DFN5x5-16	70V/3A
SY7728FFFC/ SY7728FFEC	Monitor Backlight	4	4.5-28vdc	<58V	<240mA	Boost+LDO	100KHz to 1MHz	SOP16/ SOP16E	60V/240mA
SY7710FHC	TV Power Backlight	1	8-16vdc	<90V	<1A	OP+LED Driver	NA	SSOP10	NA
SY7711ABC	TV Power Backlight	1	5-28vdc	<200V	<1.5A	Boost	120KHz	SOT23-6	NA
SY7629BFEC	TV Power Backlight	1	8-16vdc	<90V	<1A	Boost LED Driver+ Buck CV+OP	500KHz	SOP16E	18V/3A
SY7732RJC	TV Local Dimming Backlight	16	8-16vdc	<90V	<1A	LDO	NA	QFN8x8-64	NA

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LED Lighting(AC-DC)

Part Number	App.Type	PF	Description	Input V _{AC}	Output Power	Output Current	Package
SY58284NFAC	AC Buck non-dim	>0.5	Self-Bias, QR, Buck,4 Drain,accurate OVP Int. MOS 500V/5.5Ω	230V _{AC}	<30W	<200mA	SO8
SY58285NFAC	AC Buck non-dim	>0.5	Self-Bias, QR, Buck, 4 Drain, accurate OVP Int. MOS 500V/4Ω	230V _{AC}	<30W	<300mA	SO8
SY58288NAGC	AC Buck non-dim	>0.5	Self-Bias, QR, Buck,4 Drain,accurate OVP Int. MOS 500V/7.3Ω	230V _{AC}	<24W	<200mA	DIP8
SY58120BAAC	AC Flyback non-dim	>0.5	Self-Bias, QR, Buck-Boost/Flyback, compact package, no aux winding, Int. MOS 600V/16Ω	120/230V _{AC}	<5.5W	NA	SOT23-5
SY58121FAC	AC Flyback non-dim	>0.5	Self-Bias, QR, Buck-Boost/Flyback,4 Drain, no aux winding, Int. MOS 600V/16Ω	120/230V _{AC}	<8.5W	NA	SO8
SY58122FAC	AC Flyback non-dim	>0.5	Self-Bias, QR, Buck-Boost/Flyback,4 Drain, no aux winding, Int. MOS 600V/11.5Ω	120/230V _{AC}	<9.5W	NA	SO8
SY58971AAC	AC Buck non-dim	>0.9	QR, Buck, no aux winding, Int. MOS 600V/15Ω	230V _{AC}	<8W	<100mA	SO23-5
SY58978FAC	AC Buck non-dim	>0.9	QR,Buck,4 Drain, no aux winding, Int. MOS 600V/2Ω	230V _{AC}	<20W	<300mA	SO8
SY58978U1FAC	AC Buck non-dim	>0.9	QR,Buck,4 Drain, no aux winding, Int. MOS 600V/2Ω	120/230V _{AC}	<20W	<300mA	SO8
SY58294ZFAC	AC Buck non-dim	>0.9	QR, Buck, accurate OVP, Int. MOS 500V/2.9Ω	120/230V _{AC}	<24W	<400mA	SO8
SY58299ZAGC	AC Buck non-dim	>0.9	QR, Buck, accurate OVP, Int. MOS 500V/2.9Ω	120/230V _{AC}	<30W	<400mA	DIP8
SY58593ZFAC	AC Buck non-dim	>0.9	QR, Buck, accurate OVP, Int. MOS 600V/6.5Ω	120/230V _{AC}	<16W	<240mA	SO8
SY58594ZFAC	AC Buck non-dim	>0.9	QR, Buck, accurate OVP, Int. MOS 600V/4.3Ω	120/230V _{AC}	<20W	<320mA	SO8
SY58596N1FAC	AC Buck non-dim	>0.9	QR, Buck, accurate OVP, Int. MOS 600V/2.2Ω	120/230V _{AC}	<30W	<500mA	SO8
SY58598YAGC	AC Buck non-dim	>0.9	QR, Buck, accurate OVP, Int. MOS 600V/2.2Ω	120/230V _{AC}	<35W	<500mA	DIP8
SY58213FAC	AC Flyback non-dim	>0.9	Self-Bias, QR, Buck, 4-Drain SO8, Int. comp. accurate OVP, 650V/10Ω	230V _{AC}	<10W	NA	SO8
SY58215FAC	AC Flyback non-dim	>0.9	Self-Bias, QR, Buck, 4-Drain SO8, Int. comp. accurate OVP, 650V/4.4Ω	230V _{AC}	<20W	NA	SO8
SY58206YFAC	AC Flyback non-dim	>0.9	PSR, QR, Buck-Boost/Flyback CC, Int. MOS 700V/2.9Ω	120/230V _{AC}	<22W		SO8
SY5839ABC	AC Buck non-dim	>0.9	PSR, QR, CC, Buck controller	120/230V _{AC}	<100W	NA	SOT23-6
SY5830BABC	AC Flyback non-dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback controller	120/230V _{AC}	<100W	NA	SOT23-6
SY5840BFAC	AC Flyback non-dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback controller	120/230V _{AC}	<80W		SO8
SY5842FAC	AC Flyback non-dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback controller, OTP, Line OVP & Brown-out	120/230V _{AC}	<80W		SO8
SY5861BFAC	Ripple-Remover	NA	Ripple-Remover, Low BOM cost, Thermal Protection	NA	NA	<250mA	SO8
SY5862FAC	Ripple-Remover	NA	Ripple-Remover, Low BOM cost, Thermal Protection	NA	NA	250~600mA	SO8
SY5863AJAC	Ripple-Remover	NA	Ripple-Remover, Low BOM cost, Thermal Protection	NA	NA	0.25~1.2A	TO252-3
SY5864KAC	Ripple-Remover	NA	Ripple-Remover, Low BOM cost, Thermal Protection	NA	NA	0.5~1.5A	TO220-3
SY5867FAC	Dim-Interface	NA	3-in-1 Dimming Interface	NA	NA	NA	SO8
SY5867SFAC	Dim-Interface	NA	3-in-1 Dimming Interface	NA	NA	NA	SO8
SY5868FKC	Dimmable Ripple-Remover	NA	3 in 1 Dimming Interface with current filter	NA	NA	NA	SO14

Part Number	App.Type	PF	Description	Input V _{AC}	Output Power	Output Current	Package
SY58871UAAC	PFC_Boost_CV	>0.9	QR, CV, Boost, Int. MOS 520V/9Ω single winding	230V _{AC}	<25W		SOT23-5
SY58873UFAC	PFC_Boost_CV	>0.9	QR, CV, Boost, Int. MOS 520V/4.4Ω single winding	230V _{AC}	<50W		SO8
SY58874UFAC	PFC_Boost_CV	>0.9	QR, CV, Boost, Int. MOS 520V/3.4Ω single winding	230V _{AC}	<60W		SO8
SY58237AGC	AC Flyback non-dim	>0.5	Self-Bias, QR, Buck-Boost/Flyback,4 Drain, no aux winding, Int. MOS 650V/2.7Ω	400V _{DC}	<50W	NA	DIP8
SY58237CAGC	AC Flyback non-dim	>0.5	Self-Bias, QR, Buck-Boost/Flyback,4 Drain, no aux winding, Jitter, Int. MOS 650V/2.7Ω	400V _{DC}	<50W	NA	DIP8
SY5951AFAC	Charge pump LLC non-dim	>0.9	PSR, CC, ZVS, Charge Pump, LLC controller	230V _{AC}	<100W	NA	SO8
SY59515FAC	Charge pump LLC non-dim	>0.9	PSR, CC, ZVS, Charge Pump, LLC, 4 Drain, Low side, Int. MOS 500V/1.1Ω	230V _{AC}	<45W	NA	SO8
SY59516FAC	Charge pump LLC non-dim	>0.9	PSR, CC, ZVS, Charge Pump, LLC, 4 Drain, High side, Int. MOS 500V/1.1Ω	230V _{AC}	<45W	NA	SO8
SY59513FAC	Charge pump LLC non-dim	>0.9	PSR, CC, ZVS, Charge pump, LLC, 4 Drain, Low side, Int. MOS 500V/1.4Ω	230V _{AC}	<35W	NA	SO8
SY59514FAC	Charge pump LLC non-dim	>0.9	PSR, CC, ZVS, Charge pump, LLC, 4 Drain, High side, Int. MOS 500V/1.4Ω	230V _{AC}	<35W	NA	SO8
SY5072ABC	PFC_Boost_CV	>0.9	QR, CV, Boost	120/230V _{AC}	<300W		SOT23-6
SY5072BABC	PFC_Boost_CV	>0.9	QR, CV, Boost, Burst @light load	120/230V _{AC}	<300W		SOT23-6
SY5018BFAC	PFC_Flyback_CV	>0.9	PSR, QR, CV, Controller	120/230V _{AC}	<80W		SO8
SY5028ABC	PFC_Flyback_CV	>0.9	PSR, QR, CV, Controller	120/230V _{AC}	<60W		SOT23-6
SY50183FAC	PFC_Buck_CV	>0.9	PSR, QR, Buck CV, Int. MOS 500V/4.5Ω	120/230V _{AC}	<10W	<250mA	SO8
SY50186FAC	PFC_Buck_CV	>0.9	PSR, QR, Buck CV, Int. MOS 600V/2.2Ω	120/230V _{AC}	<16W	<400mA	SO8
SY5881FAC	AC Buck PWMdim	>0.9	PFC, CC, Buck Controller, PWM/Analog Dim	120/230V _{AC}	<80W		SO8
SY58813FAC	AC Buck PWMdim	>0.9	PFC, CC, Buck Controller, PWM/Analog Dim, Int. MOS 600V/6Ω	120/230V _{AC}	<12W	<300mA	SO8
SY5881ZFAC	DC Buck PWMdim	>0.5	CC, Buck Controller, PWM/Analog Dim	40~400V _{DC}	<80W		SO8
SY5882AFAC	AC Flyback PWMdim	>0.9	PFC, CC, Flyback controller, PWM/Analog Dim	120/230V _{AC}	<80W		SO8
SY5889FAC	AC Flyback PWMdim	>0.9	PFC, CC, Flyback controller, Traic and 0-10V Dim	120/227V _{AC}	<80W		SO8
SY5983FAC	AC Flyback PWMdim	>0.9	PFC, CC, Flyback controller, 0-10V Dim	120/227V _{AC}	<80W		SO8
SY58823FAC	AC Flyback PWMdim	>0.9	PFC, CC, Flyback Int. MOS, PWM/Analog Dim, Int. MOS 600V/4Ω	120/230V _{AC}	<9W		SO8
SY5882NFAC	AC Flyback PWMdim	>0.9	PFC, CC, Flyback Controller, PWM/Analog Dim	120/230V _{AC}	<80W		SO8
SY5882ZFAC	DC Flyback PWMdim	>0.5	CC, Flyback Controller, PWM/Analog Dim	400V _{DC}	<150W		SO8
SY5886FAC	AC Flyback, Resistance dimming	>0.9	PFC, CC, Flyback Controller, Multistage Dim	120/230V _{AC}	<80W		SO8
SY5883FHC	AC Flyback 2-ch dim	>0.9	PFC, CC, Flyback Controller, Color Mixing and Dimming	120/230V _{AC}	<15W	<300mA	SSOP10

LED Lighting(AC-DC)

Part Number	App. Type	PF	Description	Input V _{AC}	Output Power	Output Current	Package
SY58833FAC	AC Buck-boost PWMdim	>0.9	PFC, CC, Flyback, PWM Dimming, Int. MOS 600V/3.8Ω	120/230V _{AC}	<12W	<300mA	SO8
SY58834FHC	AC Flyback 2-ch dim	>0.9	PFC, CC, Flyback controller, Color Mixing and Dimming, Int. MOS 600V/3.8Ω	120/230V _{AC}	<12W	<300mA	SSOP10
SY58561AAC	AC Buck Triac Dim	>0.9	QR, CC, Buck, Triac Dimming, Low BOM cost, Int. MOS 350V/4.5Ω	120V _{AC}	<10W	<320mA	SOT23-5
SY58563FAC	AC Buck Triac Dim	>0.9	QR, CC, Buck, Triac Dimming, Low BOM cost, 4 Drain, Int. MOS 350V/2.5Ω	120V _{AC}	<18W	<320mA	SO8
SY5852FAC	AC Flyback Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback controller, Triac Dimming, single winding	120/230V _{AC}	<40W	NA	SO8
SY58552AFAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 350V/3Ω, Triac Dimming, single winding	120V _{AC}	<12W	<200mA	SO8
SY58553AFAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 350V/2Ω, Triac Dimming, single winding	120V _{AC}	<15W	<200mA	SO8
SY58554AFAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 350V/1.5Ω, Triac Dimming, single winding	120V _{AC}	<16W	<200mA	SO8
SY58653FAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 600V/7Ω, Triac Dimming, single winding	230V _{AC}	<12W	<200mA	SO8
SY58654AFAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 600V/5Ω, Triac Dimming, single winding	230V _{AC}	<15W	<200mA	SO8
SY58659FAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 700V/6Ω, Triac Dimming, single winding	230V _{AC}	<15W	<200mA	SO8
SY58362AFAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 350V/4Ω, Triac Dimming, single winding	120V _{AC}	<10W	<160mA	SO8
SY58363AFAC	AC Buck-Boost Triac Dim	>0.9	PSR, QR, CC, Buck-Boost/Flyback, Int. MOS 350V/2Ω, Triac Dimming, single winding	120V _{AC}	<15W	<200mA	SO8
SY58761AAAC	AC Boost Triac Dim	>0.9	PSR, QR, CC, Boost, Int. MOS 350V/5Ω, Triac Dimming, single winding	120V _{AC}	<15W	<100mA	SOT23-5
SY58763AFAC	AC Boost Triac Dim	>0.9	PSR, QR, CC, Boost, Int. MOS 350V/2Ω, Triac Dimming, single winding	120V _{AC}	<25W	<100mA	SO8
SY58763DFAC	AC Boost Triac Dim	>0.9	PSR, QR, CC, Boost, Int. MOS 350V/2Ω, Triac Dimming, single winding	120V _{AC}	<25W	<100mA	SO8
SY58861AAAC	AC Boost Triac Dim	>0.9	PSR, QR, CC, Boost, Int. MOS 500V/8Ω, Triac Dimming, single winding	230V _{AC}	<15W	<100mA	SO23-5
SY58863AFAC	AC Boost Triac Dim	>0.9	PSR, QR, CC, Boost, Int. MOS 500V/4.5Ω, Triac Dimming, single winding	230V _{AC}	<40W	<100mA	SO8
SY58863CFAC	AC Boost Triac Dim	>0.9	PSR, QR, CC, Boost, Int. MOS 500V/4.5Ω, Triac Dimming, single winding	230V _{AC}	<40W	<100mA	SO8
SY59011FAC	AC Linear non-dim	>0.5	Linear, Int. MOS 500V/20Ω	120/230V _{AC}	<8W	<70mA	SO8
SY59012FAC	AC Linear non-dim	>0.7	Linear, Int. MOS 500V/20Ω	120/230V _{AC}	<8W	<70mA	SO8
SY59013FCC	AC Linear non-dim	>0.7	Linear, Int. MOS 500V/20Ω	120/230V _{AC}	<10W	<70mA	SO8E
SY59101NFCP	AC Linear Triac Dim	>0.7	Linear Triac Dimming, Int. MOS 350V/20Ω, TFB148°C	120V _{AC}	<12W	<70mA	SO8E
SY59101AFCP	AC Linear Triac Dim	>0.7	Linear Triac Dimming, Int. MOS 350V/20Ω, TFB110°C	120V _{AC}	<12W	<70mA	SO8E
SY59101BFCP	AC Linear Triac Dim	>0.7	Linear Triac Dimming, Int. MOS 350V/20Ω, TFB122°C	120V _{AC}	<12W	<70mA	SO8E
SY59101CFCP	AC Linear Triac Dim	>0.7	Linear Triac Dimming, Int. MOS 350V/20Ω, TFB128°C	120V _{AC}	<12W	<70mA	SO8E
SY59101PFCP	AC Linear Triac Dim	>0.9	Linear Triac Dimming, Int. MOS 350V/20Ω, TFB148°C	120V _{AC}	<12W	<70mA	SO8E

Part Number	App. Type	PF	Description	Input V _{AC}	Output Power	Output Current	Package
SY59101QFCP	AC Linear Triac Dim	>0.9	Linear Triac Dimming, Int. MOS 350V/20Ω, TFB122°C	120V _{AC}	<12W	<70mA	SO8E
SY59119A1FCC	AC Linear Triac Dim	>0.7	Linear Triac Dimming, Int. MOS 500V	230V _{AC}	<12W	16~45mA	SO8E
SY59119B1FCC	AC Linear Triac Dim	>0.7	Linear Triac Dimming, Int. MOS 500V	230V _{AC}	<12W	12~16mA	SO8E
SY59119C1FCC	AC Linear Triac Dim	>0.7	Linear Triac Dimming, Int. MOS 500V	230V _{AC}	<12W	5~12mA	SO8E
SY59115LFCC	AC Linear Triac Dim	>0.7	Analog Dimming with PWM signal ,Compatible with TRAIC dimmer, Int. MOS 500V	120V _{AC}	<10W	<70mA	SO8E
SY59115FCC	AC Linear Triac Dim	>0.7	Analog Dimming with PWM signal ,Compatible with TRAIC dimmer, Int. MOS 500V	230V _{AC}	<10W	<40mA	SO8E
SY59116FCC	AC Linear PWM Dim		Linear PWM Dimming, Int. MOS 500V	120/230V _{AC}		<70mA	SO8E

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LED Lighting(DC-DC)

Part Number	App.Type	Input Range(V)	Description	Max. LED Current	F(Hz)	Topology	Package
SY8702AABC	DCDC Buck	2.8V~30V	Buck, Int. 30V/200mΩ MOS, PWM dimming	500mA	300kHz	Buck	SOT23-6
SY8745AFCC	DCDC Buck	10V~60V	Buck, Int. 60V/160mΩ MOS, Analog/PWM dimming	1500mA	500kHz	Buck	SO8E
SY8750FCC	DCDC Buck	5V~80V	Buck, Int. 80V/200mΩ MOS, Analog/PWM dimming	2000mA	500kHz	Buck	SO8E
SY8751FCC	DCDC Buck	5V~80V	Buck, Int. 80V/200mΩ MOS, Analog/PWM dimming	1200mA	500kHz	Buck	SO8E
SY8746BFCC	DCDC Buck	12V~60V	Buck, Int. 60V/660mΩ MOS, ON/OFF dimming	800mA	350kHz	Buck	SO8E
SY8703ABC	IR LED	2.8V-30V	Buck,Int. 30V/200mΩ MOS,PWM dimming	1.0A	1M	Buck	SOT23-6
SY8703BABC	IR LED	2.8V-30V	Buck,Int. 30V/200mΩ MOS,PWM dimming,Small dimming scale accuracy	1.0A	1M	Buck	SOT23-6
SY8705FCC	IR LED	2.8V-30V	Buck,Int. 30V/100mΩ MOS,PWM dimming,	3.0A	1M	Buck	SO8E
SY8705BFCC	IR LED	2.8V-30V	Buck. Int.30V/100mΩ MOS,PWM dimming,Small dimming scale accuracy	3.0A	1M	Buck	SO8E
SY8707ABC	IR LED	2.8V-30V	Buck. Int.30V/100mΩ MOS,Analog dimming,	1.5A	1M	Buck	SOT23-6
SY8708ABC	IR LED	2.8V-25V	Buck. Int. 25V/200mΩ MOS,Analog dimming,	0.8A	1M	Buck	SOT23-6
SY8718A1ADC	IR LED	4.0V-23V	SYN Buck,Int. 23V/125mΩ&23V/75mΩ MOS,PWM dimming,Small dimming scale accuracy	2.0A	1M	Buck	TSOT23-6
SY8718B1ADC	IR LED	4.0V-23V	SYN Buck,Int. 23V/125mΩ&23V/75mΩ MOS,PWM dimming,Small dimming scale accuracy	1.5A	1M	Buck	TSOT23-6
SY8718H1ADC	IR LED	4.0V-23V	SYN Buck,Int. 23V/125mΩ&23V/75mΩ MOS,Analog dimming,Small dimming scale accuracy down to 1% dimming scale	1.5A	1M	Buck	TSOT23-6
SY7200AABC	IR LED	2.8V-30V	Boost,Int.30V/220mΩ MOS,PWM dimming	2.0A	1M	Boost	SOT23-6
SY7310AADC	IR LED	2.7V-5.5V	Boost,Int.40V/400mΩ MOS,PWM dimming,Small dimming scale accuracy	1.0A	1M	Boost	SOT23-6
SY7807DEC	Flash LED Driver	2.7V-5.5V	Syn Boost,PWM dimming	IFLASH<1.5A,ITORCH<300mA	2M	Boost	DFN2*2_6
SY7809PSC	Flash LED Driver,I2C	2.7V-5.5V	Syn Boost+ Current Source	IFLASH<1.5A,ITORCH<358mA	2M/4M	Boost	CSP1.79*1.46-12
SY7803BDUC	Flash LED Driver	2.7V-5.5V	Syn Boost+ Current Source,PWM dimming	Each channel IFLASH<1.0A,ITORCH<200mA	2M	Boost	DFN3*2-14
SY7806PSC	Flash LED Driver,I2C	2.7V-5.5V	Syn Boost+ Current Source	Each channel IFLASH<1.5A,ITORCH<180mA	2M/4M	Boost	CSP1.79*1.46-12
SY7806BPSC	Flash LED Driver,I2C	2.7V-5.5V	Syn Boost+ Current Source	Each channel IFLASH<1.5A,ITORCH<180mA	2M/4M	Boost	CSP1.79*1.46-12
SY7806EPSC	Flash LED Driver,I2C	2.7V-5.5V	Syn Boost+ Current Source	Each channel IFLASH<1.5A,ITORCH<358mA	2M/4M	Boost	CSP1.79*1.46-12
SY7808BPVC	Flash LED Driver,I2C	2.7V-5.5V	Syn Boost+ Current Source	3-channel ITORCH<180mA,2-channel IFLASH<1.5A	2M/4M	Boost	CSP1.79*1.57-12

Part Number	App.Type	PF	Description	Input V _{AC}	Output Power	Output Current	Package
SY7305ABC	MR16 non-dim	>0.9	Boost, Int.40V/220mΩ MOS	12V _{AC}	<5W	<300mA	SOT23-6
SY7306FCC	MR16 non-dim	>0.9	Boost, Int.40V/220mΩ MOS	12V _{AC}	<8W	>18Vout	SO8E
SY7308FPC	MR16 non-dim	>0.9	Boost, Int.40V/120mΩ MOS	12V _{AC}	<5W	>18Vout	CPC8
SY8726BHFC	MR16 dimmable	>0.9	Boost+Buck, Int.40V/100mΩ MOS, Best compatibility	12V _{AC}	<10W	8~24Vout	TSSOP16E
SY8727FCC	MR16 dimmable	>0.9	Boost+LDO, Int.40V/120mΩ MOS, Best compatibility	12V _{AC}	<8W	>18Vout	SO8E
SY7400FCC	MR16 dimmable		Boost, Int.60V/650mΩ MOS		<20W	>18Vout	SO8E
SY7400LABC	MR16 dimmable		Boost, Int.60V/650mΩ MOS		<15W	8~24Vout	SOT23-6

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AC-DC CCCV Charger and Adapter (PSR Flyback Controller)

Part Number	Function	Package	Integrated FETs	Max Power	VIN Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY5007ABC	PSR Flyback Controller	SOT23-6	NO	<75W	AC LINE	YES	NO	YES	YES	Level 6	<75mW
SY5600AFAC	POE PSR Flyback controller	SO8	NO	<75W	AC LINE or POE	YES	NO	YES	YES	-	<30mW
NEW SY5601FCP	POE PSR Flyback controller	SO8E	NO	<75W	AC LINE or POE	YES	NO	YES	YES	-	<30mW
SY5605QYC	POE PD+PSR Flyback controller	QFN4x4-20	No	<25W	POE	YES	NO	YES	YES	-	-
SY56805AQEC	POE PD+PSR Flyback convertor	QFN5x5-32	YES	<12W	POE	YES	NO	YES	YES	-	-
SY56805ZQEC	POE PD+PSR Flyback convertor	QFN5x5-32	YES	<9.6W	POE	YES	NO	YES	YES	-	-
SY56815TQQ	POE PD+PSR Flyback convertor	QFN4x5-28	YES	<12W	POE	YES	NO	YES	YES	-	-

AC-DC CCCV Charger and Adapter (SSR Flyback Controller)

Part Number	Function	Package	Integrated FETs	Max Power	VIN Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY5003CABC	SSR Flyback Controller	SOT23-6	NO	<100W	AC LINE	YES	YES	YES	YES	Level 6	<75mW

AC-DC CCCV Charger and Adapter (PSR Flyback Converter 600V~700V MOS Integrated)

Part Number	Function	Package	Integrated FETs	Max Power	VIN Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY50133Z1FAC	PSR Flyback	SO8	620V	12W	AC LINE	YES	NO	YES	YES	Level 6	<50mW
SY50135ZFAC	PSR Flyback	SO8	620V	14W	AC LINE	YES	NO	YES	YES	Level 6	<50mW
SY50136ZFAC	PSR Flyback	SO8	620V	18W	AC LINE	YES	NO	YES	YES	Level 6	<50mW
SY50213ZFAC	PSR Flyback	SO8	650V	12W	AC LINE	YES	NO	YES	YES	Level 6	<50mW
SY50213YFAC	PSR Flyback	SO8	650V	12W	AC LINE	YES	NO	YES	YES	Level 6	<50mW
SY50213VFAP	PSR Flyback	SO8	650V	12W	AC LINE	YES	NO	YES	YES	Level 6	<50mW
SY50216VFAC	PSR Flyback	SO8	650V	18W	AC LINE	YES	NO	YES	YES	Level 6	<75mW
SY50233FAC	PSR Flyback	SO8	700V	12W	AC LINE	YES	NO	YES	YES	Level 6	<30mW
SY50323FQC	PSR Flyback	SO7	700V	12W	AC LINE	YES	NO	YES	YES	Level 6	<20mW
SY50396FVC	PSR Flyback	SSOP9	700V	15W	AC LINE	YES	Yes	YES	YES	Level 6	<20mW

AC-DC CCCV Charger and Adapter (PSR Flyback Converter 900V MOS Integrated)

Part Number	Function	Package	Integrated FETs	Max Power	VIN Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY50433FHC	PSR Flyback	SSOP10	900V	7W	AC LINE	YES	NO	YES	YES	Level 6	<75mW
SY50433BFHC	PSR Flyback	SSOP10	900V	7W	AC LINE	YES	NO	YES	YES	Level 6	<75mW

AC-DC CCCV Charger and Adapter (SSR Flyback Converter 600V MOS Integrated)

Part Number	Function	Package	Integrated FETs	Max Power	V _{IN} Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY50126CFAC	SSR Flyback	SO8	600V	18W	AC LINE	YES	YES	YES	YES	Level 6	<75mW
SY50123CFAC	SSR Flyback	SO8	600V	12W	AC LINE	YES	YES	YES	YES	Level 6	<75mW
SY50223FAC	SSR Flyback	SO8	700V	12W	AC LINE	YES	YES	YES	YES	Level 6	<75mW

AC-DC CCCV Charger and Adapter (PSR Flyback Converter 150V/200V MOS Integrated)

Part Number	Function	Package	Integrated FETs	Max Power	V _{IN} Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Soft Start	No load loss
SY6174FAC	PSR Flyback	SO8	200V	8W	36-72VDC or POE	YES	NO	YES	YES	NO	<75mW
SY6177FAC	PSR Flyback	SO8	200V	12W	36-72VDC or POE	YES	NO	YES	YES	NO	<75mW
SY6184FAC	PSR Flyback	SO8	200V	8W	36-72VDC or POE	YES	NO	YES	YES	YES	<75mW
SY6187FAC	PSR Flyback	SO8	200V	12W	36-72VDC or POE	YES	NO	YES	YES	YES	<75mW
SY50833AFAC	PSR Flyback	SO8	200V	12W	36-72VDC or POE	YES	NO	YES	YES	NO	<75mW

AC-DC CCCV Charger and Adapter (Buck Converter 350V~700V MOS Integrated)

Part Number	Function	Package	Integrated FETs	Max Power	V _{IN} Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY50281AAC	Buck Converter	SOT23-5	500V	2.4W	AC LINE	NO	NO	YES	YES	Level 5	AC/DC power supply
SY50282FAC	Buck Converter	SO8	500V	3W	AC LINE	NO	NO	YES	YES	Level 5	AC/DC power supply
SY50283FAC	Buck Converter	SO8	500V	4.2W	AC LINE	NO	NO	YES	YES	Level 5	<150mW
SY50383AAC	Buck Converter	SOT23-5	350V	3.6W	AC LINE	NO	NO	YES	YES	Level 5	<100mW
SY50582FAC	Buck Converter	SO8	700V	3W	AC LINE	NO	NO	YES	YES	Level 5	<150mW
SY50583FAC	Buck Converter	SO8	700V	4.2W	AC LINE	NO	NO	YES	YES	Level 5	<150mW
SY50272AGC	Buck Converter	DIP8	650V	5.4W	AC LINE	NO	NO	NO	YES	Level 5	<50mW
SY50272BAGC	Buck Converter	DIP8	650V	4.3W	AC LINE	NO	NO	NO	YES	Level 5	<50mW

AC-DC CCCV Charger and Adapter (QC2.0/3.0 Controller)

Part Number	Function	Package	Integrated FETs	Max Power	VIN Range	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY5026CAC	QC2.0 Controller	MSOP8	No	24W	AC LINE	YES	YES	YES	Level 6	AC/DC power supply

AC-DC CCCV Charger and Adapter (SR Controller)

Part Number	Function	Package	Integrated FETs	Max Vds	Max Power	VOU Range	Current Mode	Application Mode	OTP Protection	Comment
SY5230ABC	SR Controller	SOT23-6	No	60V	60W	5~15V	DCM,CRM	PSR,SSR	YES	No Awaken Function
SY5230AABC	SR Controller	SOT23-6	No	60V	60W	5~15V	DCM,CRM	PSR,SSR	YES	For PoE 48V input application No Awaken Function
SY52230FAC	SR Switcher	SO8	50V	50V	10.5W	5V	DCM,CRM	PSR,SSR	YES	
SY52360FAC	SR Switcher	SO8	60V	60V	12W	5V	DCM,CRM	PSR,SSR	YES	Awaken Function
SY52267AZC	SR Switcher	SOT335	60V	60V	10W	5V	DCM,CRM	PSR,SSR	YES	Awaken Function
SY52250FAC	SR Switcher	SO8	60V	60V	12W	5V	DCM,CRM	PSR,SSR	YES	
SY52257AZC	SR Switcher	SOT335	60V	60V	10W	5V	DCM,CRM	PSR,SSR	YES	
SY52251FAC	SR Switcher	SO8	60V	60V	15.5W	5V	DCM,CRM	PSR,SSR	YES	
SY52341FAP	SR Switcher	SO8	60V	60V	33W	5V~12V	CCM,DCM,CRM	SSR	YES	For PD charger
SY52330FAC	SR Switcher + AFC protocol	SO8	62V	62V	15W	5V~9V	DCM,CRM	PSR	YES	For AFC charger

AC-DC CCCV Charger and Adapter (PSR Flyback Converter 900V BJT integrated)

Part Number	Function	Package	Integrated FETs	Max Power	VIN Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY50131CFAC	PSR Flyback	SO8	980V	3.5W	AC LINE	YES	NO	YES	YES	Level 6	<75mW

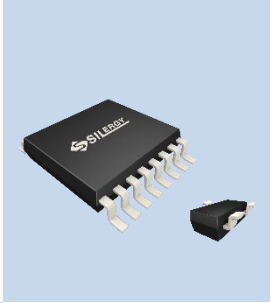
AC-DC CCCV Charger and Adapter (PSR Flyback Converter 800V BJT integrated)

Part Number	Function	Package	Integrated FETs	Max Power	VIN Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY50211WAAC		SOT23-5	800V	6W	AC LINE	YES	NO	YES	YES	Level 6	<50mW
SY50213WFAC	PSR Flyback	SO8	800V	12W	AC LINE	YES	NO	YES	YES	Level 6	<50mW

AC-DC CV Charger and Adapter (SSR Flyback Controller)

Part Number	Function	Package	VIN Range	Isolation	Opto-Coupler	OCP Protection	OVP Protection	Energy star	No load loss
SY5040ABC	65kHz pseudo fixed frequency SSR Flyback controller	SOT23-6	9V~30V	Yes	Yes	Yes	Yes	Level 6	<75mW

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Platform

Part Number	Recommended Operating Voltage		Drive Current Max (A)	MOSFET Ron HS+LS (mΩ)	Low power Sleep Mode	Package	Typical Applications
	Min (V)	Max (V)					
SY6702DFC	2.5	12	1.8	<450mΩ	√	DFN2x2-8	Cameras, DSLR Lenses, Consumer Products, Robotics, Toys
SY6712ABC	2.5	12	1.8	< 450mΩ		SOT23-6	Cameras, DSLR Lenses, Consumer Products, Robotics, Toys
SY6703HFC	2.5	12	1.5	<480mΩ	√	TSSOP-16E	POS Printers, Consumer Products, Robotics, Game Machines, Toys
SY6703QIC	2.5	12	1.5	<480mΩ	√	QFN4×4-16	POS Printers, Consumer Products, Robotics, Game Machines, Toys
SY6705BFCC	8	32	3.5	<420mΩ	√	SO8E	Consumer Products, Robotics, DC Brush Motor
SY67211FHC	2.5	16	0.8	<700mΩ	√	SSOP10	Refrigerators, Stepper Motors
SY67134FCC	5	32	3.6	<500mΩ	√	SO8E	Consumer Products, Robotics, DC Brush Motor
SY67333HHC	5	32	3	< 250mΩ	√	TSSOP24E	Appliance Fan, 3-phase BLDC Fan, HVAC

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Analog Class-D Audio IC

Part Number	Features	Supply Voltage		Output Power	Package
		Min (V)	Max (V)		
SY6040QDC	Capacitor-less Headphone/Lineout Driver with LDO & Charge Pump	2.2	5.5	21mW(2x)	QFN3×3-16
SY6014QCC	Spread-Spectrum Modulation for low EMI, low I _{SD} , High PSRR, Filter-less supported	5.5	16	4W(2x) 3.25W(2x) 7W	QFN4×4-24
SY6014AQCC	Spread-Spectrum Modulation for low EMI, low I _{SD} , High PSRR, Filter-less supported	5.5	12	2x3.8W (2x) 4.7W (2x) 5.8W(2x)	QFN4×4-24
SY6018QEC	AM/FM Interference Avoidance, High Efficiency, Wide Supply Voltage, High PSRR, Low I _Q	6	26	30W(2x) 8W(2x) 6W	QFN5×5-32
SY6018BQEC	AM Interference Avoidance, High Efficiency, Wide Supply Voltage, mono Class-D audio power amplifier	5.6	26	60W	QFN5×5-32
SY6028QEC	AM/FM Interference Avoidance, High Efficiency, Wide Supply Voltage, High PSRR, Low I _Q	5.6	16	5.5W(2x) 6.8W(2x) 24W	QFN5×5-32

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Part Number	Features	Supply Voltage		IO Voltage		Output Power	Package
		Min (V)	Max (V)	Min (V)	Max (V)		
SY6025AQHC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 10-segment equalizer and 4-segment super equalizer per channel	4.5	28	1.62	3.6	20W(2x)	QFN6×6-40
SY6025AQEC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 10-segment equalizer and 4-segment super equalizer per channel	4.5	28	1.62	3.6	20W(2x)	QFN5×5-32
SY6025QHC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 10-segment equalizer and 4-segment super equalizer per channel	4.5	28	3	3.6	20W(2x)	QFN6×6-40
SY6045AQEC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 12-segment equalizer and 6-segment super equalizer per channel	4.5	28	1.8	3.3	20W(2x)	QFN5×5-32
SY6045BQHC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 12-segment equalizer and 6-segment super equalizer per channel	4.5	28	3	3.6	20W(2x)	QFN6×6-40
SY6026LQEC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 10-segment equalizer and 4-segment super equalizer per channel	4.5	16.5	3	3.6	15W(2x)	QFN5×5-32
SY6045SGAC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 12-segment equalizer and 6-segment super equalizer per channel	4.5	28	3	3.6	30W(2x)	TQFP7×7-48
SY6045SQHC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 12-segment equalizer and 6-segment super equalizer per channel	4.5	28	3	3.6	30W(2x)	QFN6×6-40
SY6065SGAC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 12-segment equalizer and 6-segment super equalizer per channel, integrated capless headphone amplifier	4.5	28	3	3.6	30W(2x)	TQFP7×7-48
		2.1	2.5			19mW(2x)	
SY6075DGAC	SDOUT pin for AEC, 3-band plus post band dynamic range control, 18-segment equalizer per channel	4.5	28	3	3.6	20W(2x)	TQFP7×7-48
SY60050GAF	SDOUT pin for AEC, 3-band plus post band dynamic range control, 18-segment equalizer per channel	4.5	28	3	3.6	20W(2x)	TQFP7×7-48
SY60020QHQ	SDOUT pin for AEC, 3-band plus post band dynamic range control, 18-segment equalizer per channel, 4 I ² C slave address	4.5	28	3	3.6	20W(2x)	QFN6×6-40

Analog Light Sensor

Part Number	Description	IR-Cut Epoxy	V _{CC}		I _{OUT} (μA) @EV=100lux, V _{CC} =3V	Package
			Min (V)	Max (V)		
SY3128AS55-E00	Ambient Light Sensor	/	2	12	41	5φRadial-2L
SY3128AS22-J00	Ambient Light Sensor	/	2	12	11.7	SMD2015-2L
SY13103-G1	Ambient Light Sensor	/	2.5	5.5	120	N/A
SY3103-D21	Ambient Light Sensor	Y	2.5	5.5	47.9	3Φ Radial-2L

Digital Light Sensor

Part Number	Description	Bits	V _{CC}		Comm. Method	I _{DD} @ Power Down	I _{OUT} (μA) @EV=100lux, V _{CC} =3V	Finest Resolution	Gain & Tint Setting	Package
			Min(V)	Max(V)						
SY3061-S1	ALS with side-look package	12	2.3	3.6	I ² C	<1.0μA	110uA	0.029 lux/count	5 gain	SMD3013-4L side-look
SY13079-G1	Ambient Light Sensor	16	2.3	3.6	I ² C	<1.0μA	90uA	0.007 lux/count	3 gain+2 integration time	N/A
SY3079AS22-J00	Ambient Light Sensor	16	2.6	3.6	I ² C	<1.0μA	90uA	0.0079 lux/count	3 gain+2 integration time	SMD2015-8L
SY3099AS22-J00	Ambient Light Sensor	16	2.3	3.6	I ² C	<1.0μA	180uA	0.00005 lux/count	4 gain+4 integration time	SMD2015-8L
SY3099AS23-J00	Ambient Light Sensor	16	2.3	3.6	I ² C	<1.0μA	180uA	0.00005 lux/count	4 gain+4 integration time	SMD2024-6L
SY3122-H2	Light Sensor with Frequency Output	/	2.7	3.6	/	/	/	2.76 kHz/(uW/cm ²)	/	/
SY3088PS32-G01	PXS	8	2.7	3.6	I ² C	<1.0μA	/	/	/	SMD2520-6L
SY3016PS32-G00	PXS	16	2.8	3.6	I ² C	<2.0μA	/	/	/	SMD2515-6L

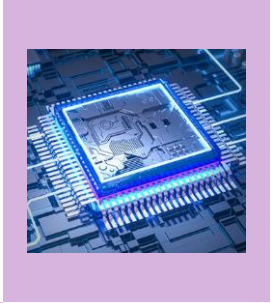
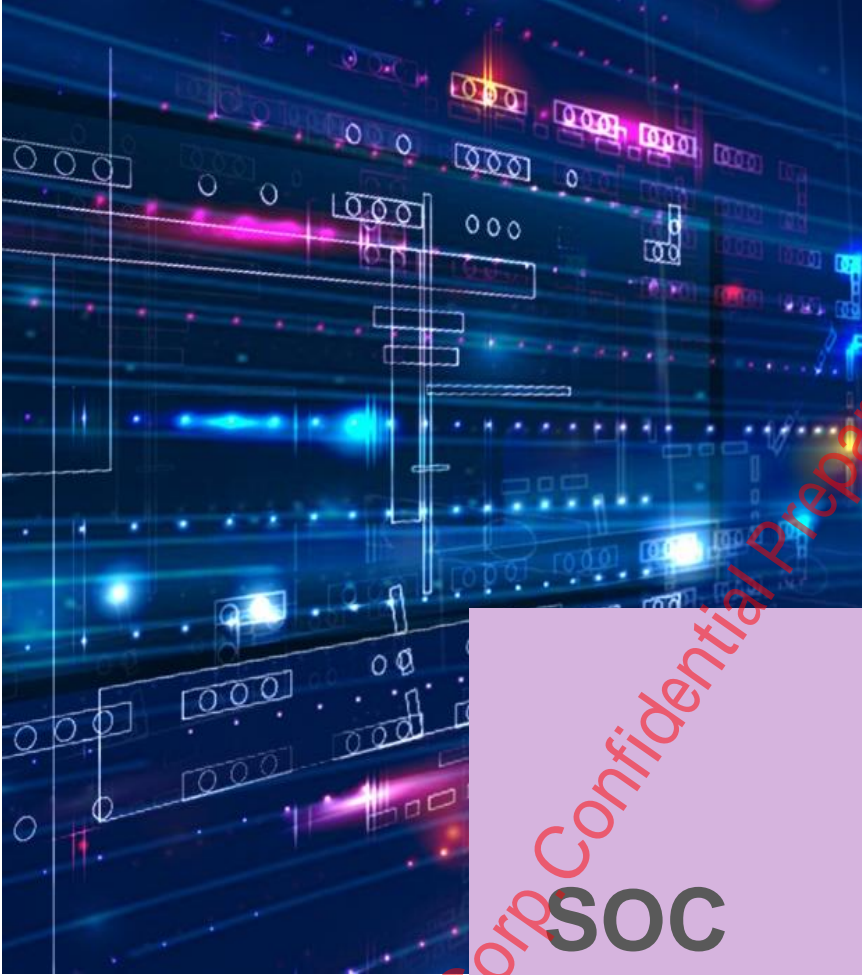
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Part Number	Application	Channels	Direction	V _{RWM} (V)	C _J (pF)	I _{PP} (A)	P _{PK} (W)	Package
SYT13L05AOC	USB2.0	2	Bi	5.5	3.5	1.5	15	SOT-23
SYT01S05DWC	USB3.0/HDMI1.4	1	Bi	5	0.35	3	45	DFN1006-2 (0402)
SYT03U05SMC	USB2.0	2	Uni	5	0.6	3	45	DFN1006-3 (0402)
SYT06U05ABC	USB/VGA/HDMI	4	Uni	5	0.7	3	45	SOT23-6
SYT07S05SBC	USB3.0	6	Uni	5	0.3	3	45	DFN4120-10
SYT06U05DVC	HDMI1.4	4	Uni	5	0.6	3	45	DFN2510-10
SYT06S03DVC	USB3.0/HDMI2.0	4	Uni	3.3	0.35	4	40	DFN2510-10
SYT01A03DXC	USB3.1 Type-C/HDMI2.0	1	Bi	3.3	0.15	4	50	DFN0603-2 (0201)
SYT01M05DWC	Audio/Key	1	Bi	5	12	4	50	DFN1006-2 (0402)
SYT01M05DXC	Audio/Key	1	Bi	5	12	4	50	DFN0603-2 (0201)
SYT03S05SHC	USB2.0, Smart Phone	2	Uni	5	0.6	4	60	DFN1.2×1.0-6
SYT03S05SIC	USB2.0, Smart Phone	2	Uni	5	0.6	4	60	DFN1.6×1.0-6
SYT13U05AOC	USB2.0	2	Uni	5	0.6	4	50	SOT-23
SYT01N24DWC	USB Vbus, Smart Phone	1	Bi	24	12	4	180	DFN1.0×0.6-2
SYT01M12DWC	12V Low Speed Interface	1	Bi	12	4	4	90	DFN1.0×0.6-2
SYT01M12DXC	12V Low Speed Interface	1	Bi	12	4	4	90	DFN0.6×0.3-2
SYT03N24AOA	Automotive CAN Bus	2	Bi	24	12	4	180	SOT-23
SYT01N24AMA	Automotive LIN Bus	1	Bi	24	12	4	180	SOD323
SYT01A05DXC	5V High Speed Interface, USB-C	1	Bi	5	0.15	4	55	DFN0.6×0.3-2
SYT46S05DVD	HDMI	4	Bi	5	0.5	4.5	45	DFN2.5×1.0-10
SYT21S05DWC	HDMI/USB	1	Bi	5	0.5	4.5	45	DFN1.0×0.6-2
SYT11S05DWC	Low Cap ESD for High-speed Interface	1	Bi	5.5	0.3	5.5	70	DFN1.0*0.6-2
SYT16A03DVC	4-CH ESD Array for USB-C	4	Uni	3.3	0.3	6	40	DFN2.5×1.0-10

ESD Protection

Part Number	Application	Channels	Direction	V _{RWM} (V)	C _j (pF)	I _{PP} (A)	P _{PK} (W)	Package
SYS11U24AMC	RJ45	1	Bi	24	0.8	6	350	SOD323
SYT26S05DVC	HDMI	4	Uni	5	0.5	6	42	DFN2.5×1.0-10
SYT21A01DXC	USB3.x, USB Type-C, Thunderbolt	1	Bi	1.5	0.15	7	35	DFN0.6×0.3-2
SYT21S03DWC	HDMI2.0	1	Bi	3.3	0.5	7	56	DFN1.0×0.6-2
SYT46S03DVD	HDMI	4	Bi	3.3	0.4	7	56	DFN2.5×1.0-10
SYT01N12DWC	USB Vbus, Smart Phone	1	Bi	12	25	7.5	210	DFN1.0×0.6-2
SYT04L05AWC	USB2.0	2	Uni	5	1.2	7.5	100	SOT-143
SYS03N24AOC	RS232,STB	2	Uni	24	120	8	300	SOT-23
SYT05S05ABC	USB/VGA	4	Uni	5	1.2	8	100	SOT23-6
SYS11U18AMC	RJ45	1	Bi	18	0.8	8	350	SOD323
SYT21A05DXC	USB3.x, USB Type-C	1	Bi	5	0.2	9	55	DFN0.6×0.3-2
SYT21S24DXC	USB-C/RF Antenna	2	Bi	24.5	0.2	9	50	DFN0.6×0.3-2
SYS11U15AMC	RJ45	1	Bi	15	0.8	10	350	SOD323
SYT11L05DWC	Normal Cap ESD for General I/O	1	Bi	5	2	10	100	DFN1.0×0.6-2
SYT11L05DXC	Normal Cap ESD for General I/O	1	Bi	5	2	10	100	DFN0.6×0.3-2
SYT21A05DWD	Ultra-low Cap ESD for High-speed Interface	1	Bi	5	0.28	10	65	DFN1.0×0.6-2
SYS13L02SJC	RJ45	2	Bi	2.5	4.5	12	100	DFN2010-8
SYS11U12AMC	RJ45	1	Bi	12	0.8	12	350	SOD323
SYT01L03DWC	3.3V High Speed Interface	1	Bi	3.3	1	12	120	DFN1.0×0.6-2
SYT01L03DXC	3.3V High Speed Interface	1	Bi	3.3	1	12	120	DFN0.6×0.3-2
SYT36S03DVC	Low Cap ESD Array for High-speed Interface	4	Uni	3.3	0.6	12	60	DFN2.5×1.0-10
SYT13L03AOC	high-speed & general IO ESD protection	2	Bi	3.6	1	12	120	SOT-23
SYT01N03ANC	Audio/Key	1	Bi	3.3	25	14	140	SOD523

Part Number	Application	Channels	Direction	V _{RWM} (V)	C _J (pF)	I _{PP} (A)	P _{PK} (W)	Package
SYT01N03DWC	Audio/Key	1	Bi	3.3	25	14	140	DFN1006-2 (0402)
SYS02H12AMC	DC IN	1	Uni	12	150	15	350	SOD323
SYS11U08AMC	RJ45	1	Bi	8	0.8	15	350	SOD323
SYT01N03DXC	3.3V Low Speed Interface	1	Bi	3.3	27	15	140	DFN0.6×0.3-2
SYS11U05AMC	RJ45	1	Bi	5	0.8	20	350	SOD323
SYT06L05ABC	VGA/RJ45	4	Uni	5	3.5	20	350	SOT23-6
SYS01H12AMC	Desktops, Servers and Notebooks	1	Bi	12	70	20	550	SOD-323
SYS03H12AOC	Desktops, Servers and Notebooks	2	Uni	12	140	20	500	SOT-23
SYS11U03AMC	RJ45	1	Bi	3.3	0.8	25	350	SOD323
SYS11L03SEC	RJ45	4	Uni	3.3	3.5	25	450	DFN2.5×2.5-10
SYS01V05AMC	DC IN	1	Bi	5	200	25	350	SOD323
SYS12V20SLC	Vbus	1	Uni	20	210	25	850	DFN1.6×1.0-2
SYS02V05AMC	DC IN	1	Uni	5	350	25	350	SOD323
SYS14L02DHC	RJ45	4	Bi	2.5	3.5	40	1000	DFN3.0×2.0-10
SYS02V12AMC	12V Vbus surge protection	1	Uni	12	400	42	1000	SOD323
SYS42L02FAC	10/100/1000M Ethernet Ports	2	Bi	2.8	1.2	50	1000	SOP-8
SYS12V12SLC	Vbus	1	Uni	12.5	400	52	1100	DFN1.6×1.0-2
SYS12V05SLC	Vbattery, , Smart Phone	1	Uni	5	600	80	1300	DFN1.6×1.0-2
SYS12V05AMC	Surge protection TVS for Power line	1	Uni	5.5	1100	100	1300	SOD-323
SYS22V05SLC	Vbus & Vbat surge protection	1	Uni	5	2100	200	2100	DFN1.6×1.0-2
SYS02X05AUC	Vbus,Power Supply	1	Uni	5	1900	205	2750	SOD-123
SYS22V04SLC	Vbus & Vbat surge protection	1	Uni	4.5	1100	240	3100	DFN1.6×1.0-2



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SOC

Part Number	User MPU Core	Signal Processing Core	Vsupply (V)	Total Sensor Inputs	Internal Flash (KBytes)	Internal RAM (KBytes)	Slave Host Interface(s)	Package/Pins	Notes
MAX71071	None	None	See Datasheet	2	None	None	Proprietary	μSOP/10	ADC to be used with MAX78615+PPM or MAX78615+LMU
MAX78700	None	None	See Datasheet	4	None	None	Proprietary	μSOP/10	ADC to be used with MAX78615+PPM or MAX78615+LMU
MAX71020A	None	CE	3.3	1V, 1I	OTP	1	SPI	TQFN/28, TSSOP/28	Single Phase
78M6610+PSD	None	EMP	3.3	1V, 1I, 1T	8	1.5	I2C, SPI, UART	TQFN/24, TSSOP/16	Single Phase
SY7T609+R1	None	EMP	3.3	1V, 1I	8		SPI, UART	TSSOP/14	Single Phase
SY7T609+S1	None	EMP	3.3	1V, 1I	8	1.5	SPI, UART	TSSOP/14	Single Phase
SY7T611+S2	None	EMP	3.3	1V, 2I	8		SPI, UART	TSSOP/14	Single Phase
SY7T612+S3	None	EMP	3.3	1V, 3I	8	1.5	SPI, UART	TSSOP/14	Single Phase
MAX78615+LMU	None	EMP	3.3	2V, 2I	8	1.5	I2C, SPI, UART	TQFN/24	Galvanic Isolation (Magnetic) Single Phase Chipset
MAX78615+PPM	None	EMP	3.3	3V, 3I	8	1.5	I2C, SPI, UART	TQFN/24	Galvanic Isolation (Magnetic), Polyphase Chipset
MAX78630+PPM	None	EMP	3.3	3V, 3I	8	1.5	I2C, SPI, UART	TQFN/32	Polyphase
78M6610+LMU	None	EMP	3.3	2V, 2I	8	1.5	I2C, SPI, UART	TQFN/24	Single Phase
78M6631*	80515	CE	3.3	3V, 3I	128	4	SPI, UART	TQFN/56	Polyphase
78M6612*	80515	CE	3.3	2V, 2I	32	2	UART	LQFP/64, SQFN/68	Single Phase
78M6613*	80515	CE	3.3	2V, 2I	32	2	UART	SQFN/32	Single Phase
78M6618	80515	CE	3.3	10 (Configurable)	128	4	SPI, UART	SQFN/68	Single Phase, Polyphase Multi-Branch

* Not recommended for new design

Electricity Metering

Part Number	Phase	Internal Flash (KBytes)	Internal RAM (KBytes)	Analog Input	Sensor Inputs (Current+Voltage)**	MCU MIPS	RTC	LCD Driver Pixels (Max)	GPIO	UARTs	SPI Port	Package/ Pins
71M6201	1P	-	-	Differential	1I	-	No	No	No	No	No	SO-8
71M6601	1P	-	-	Differential	1I	-	No	No	No	No	No	SO-8
71M6103	3P			Differential	1I	-	No	No	No	No	No	SO-8
71M6203	3P	-	-	Differential	1I	-	No	No	No	No	No	SO-8
71M6113	3P	-	-	Differential	1I	-	No	No	No	No	No	SO-8
71M6511*	1P	64	7	Single-end	2SE + 1	5	Yes	128 (32x4)	12	2	-	LQFP-64
71M6511H*	1P	64	7	Single-end	2SE + 1	5	Yes	128 (32x4)	12	2	-	LQFP-64
71M6513*	3P	64	7	Single-end	4SE + 3	5	Yes	168 (42x4)	22	2	-	LQFP-100
71M6513H*	3P	64	7	Single-end	4SE + 3	5	Yes	168 (42x4)	22	2	-	LQFP-100
71M6515H*	3P	64	7	Single-end	4SE + 3	5	Yes	-	8	1	-	LQFP-64
71M6521DE*	1P/2P	16	2	Single-end	2SE + 2	5	Yes	152(38x4)(41*4)	13(17)	2	-	LQFP-64 or QFN-68
71M6521FE*	1P/2P	32	2	Single-end	2SE + 2	5	Yes	152(38x4)(41*4)	13(17)	2	-	LQFP-64 or QFN-68
71M6531D	1P/2P	128	4	Single-end	2SE + 2	10	Yes	156 (39x4)	22	2	Yes	QFN-68
71M6531F	1P/2P	256	4	Single-end	2SE + 2	10	Yes	156 (39x4)	22	2	Yes	QFN-68
71M6532D	1P/2P	128	4	Differential	2D + 2	10	Yes	268 (67x4)	43	2	Yes	LQFP-100
71M6532F	1P/2P	256	4	Differential	2D + 2	10	Yes	268 (67x4)	43	2	Yes	LQFP-100
71M6533	3P	128	4	Differential	4D + 3	10	Yes	228 (57x4)	39	2	Yes	LQFP-100
71M6533H	3P	128	4	Differential	4D + 3	10	Yes	228 (57x4)	39	2	Yes	LQFP-100
71M6534	3P	128	4	Differential	4D + 3	10	Yes	300 (75x4)	52	2	Yes	LQFP-120
71M6534H	3P	256	4	Differential	4D + 3	10	Yes	300 (75x4)	52	2	Yes	LQFP-120
71M6541D	1P	32	3	Differential	2D + 1	5	Yes	222 (37x6)	32	2	Yes	LQFP-64

Part Number	Phase	Internal Flash (KBytes)	Internal RAM (KBytes)	Analog Input	Sensor Inputs (Current+ Voltage)**	MCU MIPS	RTC	LCD Driver Pixels (Max)	GPIO	UARTs	SPI Port	Package/Pins
71M6541F	1P	64	5	Differential	2D + 1	5	Yes	222 (37x6)	32	2	Yes	LQFP-64
71M6541G	1P	128	5	Differential	2D + 1	5	Yes	222 (37x6)	32	2	Yes	LQFP-64
71M6541DT	1P	32	3	Differential	2D + 1	5	Yes	222 (37x6)	32	2	Yes	LQFP-64
71M6541FT	1P	64	5	Differential	2D + 1	5	Yes	222 (37x6)	32	2	Yes	LQFP-64
71M6541GT	1P	128	5	Differential	2D + 1	5	Yes	222 (37x6)	32	2	Yes	LQFP-64
71M6542F	1P/2P	64	5	Differential	2D + 2	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6542G	1P/2P	128	5	Differential	2D + 2	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6542FT	1P/2P	64	5	Differential	2D + 2	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6542GT	1P/2P	128	5	Differential	2D + 2	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6543F	3P	64	5	Differential	4D + 3	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6543G	3P	128	5	Differential	4D + 3	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6543FT	3P	64	5	Differential	4D + 3	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6543GT	3P	128	5	Differential	4D + 3	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6543HT	3P	64	5	Differential	4D + 3	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6543GHT	3P	128	5	Differential	4D + 3	5	Yes	336 (56x6)	51	2	Yes	LQFP-100
71M6545	3P	64	5	Differential	4D + 3	5	Yes	-	29	1	Yes	LQFP-64
71M6545H	3P	64	5	Differential	4D + 3	5	Yes	-	29	1	Yes	LQFP-64
71M6545T	3P	64	5	Differential	4D + 3	5	Yes	-	29	1	Yes	LQFP-64
71M6545HT	3P	64	5	Differential	4D + 3	5	Yes	-	29	1	Yes	LQFP-64
MAX71313L	1P/2P	64	8	Differential	2D + 2	10	Yes	156 (39x4), 190 (38x5), 222 (37x6)	39	3	Yes	LQFP-64
MAX71314L	1P/2P	128	8	Differential	2D + 2	10	Yes	156 (39x4), 190 (38x5), 222 (37x6)	39	3	Yes	LQFP-64

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Electricity Metering

Part Number	Phase	Internal Flash (KBytes)	Internal RAM (KBytes)	Analog Input	Sensor Inputs (Current+Voltage) **	MCU MIPS	RTC	LCD Driver Pixels (Max)	GPIO	UARTs	SPI Port	Package/Pins
MAX71314C	1P	128	21	Differential	2D + 2	20	Yes	160 (40x4), 228 (6x38), 288 (8x36)	54	4	Yes	LQFP-100
MAX71315C	1P	256	21	Differential	2D + 2	20	Yes	160 (40x4), 228 (6x38), 288 (8x36)	54	4	Yes	LQFP-100
MAX71334C	3P	128	21	Differential	3D/1SE + 3SE	20	Yes	160 (40x4), 228 (6x38), 288 (8x36)	52	4	Yes	LQFP-100
MAX71335C	3P	256	21	Differential	3D/1SE + 3SE	20	Yes	160 (40x4), 228 (6x38), 288 (8x36)	52	4	Yes	LQFP-100
MAX71315S	1P	256	48	Differential	2D + 2	20	Yes	160 (40x4), 228 (38x6), 288 (36x8)	88	5	Yes	LQFP-128
MAX71335S	3P	256	48	Differential	4D + 3	20	Yes	160 (40x4), 228 (38x6), 288 (36x8)	88	5	Yes	LQFP-128
MAX71316S	1P	512	48	Differential	2D + 2	20	Yes	160 (40x4), 228 (38x6), 288 (36x8)	88	5	Yes	LQFP-128
MAX71336S	3P	512	48	Differential	4D + 3	20	Yes	160 (40x4), 228 (38x6), 288 (36x8)	88	5	Yes	LQFP-128
SY7M163G	1P	128	21	Differential	2D + 2	20	Yes	-	38	2	Yes	QFN-68
SY7M166H	3P	256	21	Differential	3D /1S+ 3	20	Yes	-	38	2	Yes	QFN-68
SY7T166G	3P	128	21	Differential	3D/1S + 3	20	Yes	-	38	2	Yes	QFN-68
SY7T166GH	3P	256	21	Differential	3D/1S + 3	20	Yes	-	38	2	Yes	QFN-68
SY7T108E	1P	32	8	Differential	2D +1SE	10	Yes	160 (40x4), 228 (38x6), 288 (36x8)	45	3	Yes	LQFP-64
SY7T108F	1P	64	8	Differential	2D +1SE	10	Yes	160 (40x4), 228 (38x6), 288 (36x8)	45	3	Yes	LQFP-64
SY7M007	3P	-	-	Differential	1U+1I	-	-	-	-	-	-	TQFN-16
SY7T625	3P	-	-	-	-	20	No	-	16	-	Yes	TQFN-32

* Not recommended for new design.

** D = Differential input, SE = Single End input, U = Voltage, I = Current

Silergy designs mixed-signal integrated circuits used in energy, automation, networking, and secure access systems. Silergy Teridian's ICs connect customers' digital systems to the analog inputs found in utility metering, industrial automation, set top box, digital TV, voice over IP, electronic identity, and point-of-sale applications.

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Silergy Corp. was founded by a group of technology innovators and business leaders with an average 30 years' experience. We design innovative mixed-signal and analog ICs that utilize our industry-leading process technologies. Widely used in industrial, consumer, computing and communication devices, our products are designed to improve efficiency and to conserve or measure energy use.

Silergy Corp is a Cayman Island company with its operations headquarters in Hangzhou, China. The company stock is traded on Taiwan Stock Exchange (TWSE: 6415).

We are committed to providing industry-leading performance at an affordable solution cost.

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