

智能手表/ 健身跟踪

电源管理

STBC02, STBC03

- Charger + LDO + Switches
- CSP 30 - 2.6 x 2.2 mm

NEW

STBK1F20

- 充电 + 超低功耗Buck
- CSP 16 - 2 x 2 mm

Ultra IQ LDO

LD39130S

- 1µA 静态电流带绿色模式

STLQ020

- 0.4µA 静态电流
- CSP 0.8 x 0.8 mm

NEW

超小体积LDO

LDBL20

- 高电源抑制比
- STSTAMP 0,47 x 0,47 mm

NEW



STNS01

- Charger + LDO + Switches
- DFN12L 3x3 mm²



Loopband



STBC15

- 对超低功率应用的充电芯片例如能量收集电池或者Thin Film电池
- CSP 1.1 x 1.4 mm



高精度

超低功耗

超低功耗运放
TSU111/TSU10x
900nA, 150uV Vio
TSZ182
高精度: : 25uV
高带宽: 3 MHz
0uV Vio

超低噪声LDO

LDLN025

- 6.3 µVRMS 噪声
- CSP 0,65 x 0,65



低压差高电源抑制比LDO

LD39020/30

- 200/300mA
- DFN 1x1

LD59030

- 300mA
- DFN 1x1

超低静态电流和高效率DC/DC

ST1PS01

- 400mA - 95% 效率在1mA负载
- CSP 1.1 x 1.4 mm

Buck-Boost

STBB2 / STBB3

- 0,8 / 2A
- CSP 2.1 x 1.8 mm



Low quiescent current LDOs portfolio



Low quiescent current

Part Number	Maximum current [mA]	Quiescent current @ no load (μ A)	Typ Dropout voltage @ max load [mV]	Input Voltage range [V]	PSRR typ. [dB]	Noise [μ Vrms]
STLQ50	50	3.5	400	2.3-12	30	560
STLQ020	200	0.4	160	2~5.5	60	135
ST715	85	3.8	500	2.5-24	45	95
LDK715	85	5	500	4.3-24	45	95
STLQ015	150	1	115	1.5-5.5	40	75
LD39130	300	1	300	1.4-5.5	70	38
LD39050	500	20	200	1.5-5.5	65	30
LD39100	1000	20	200	1.5-5.5	65	30



Low noise/High PSRR LDOs portfolio

Low noise/High PSRR

Part Number	Maximum current [A]	Quiescent current @ no load (μ A)	Typ Dropout voltage @ max load [mV]	Input Voltage range [V]	PSRR typ. @1kHz [dB]	Noise [μ Vrms]
LD39015	150	18	80	1.5-5.5	65	29
LD39115	150	20	80	1.5-5.5	74	30
LDLN015	150	17	86	2.1-5.5	92	6.3
LDLN025	250	12	250	2.1-5.5	60	6.5
LD3985	150	60	85	2.5-6	60	30
LD59015	150	31	150	2.3-5.5	76	20
LD39020	200	20	200	1.5-5.5	80	45
LD39030	300	20	200	1.5-5.5	62	30
LD39130	300	1-55	300	1.4-5.5	70	38
LD39050	500	20	200	1.5-5.5	65	30
ST1L08	0.8	100	70	1-5.5	80	45
LD39100	1000	20	200	1.5-5.5	65	30

NEW!



Linear Battery chargers overview

Battery charger Solution for low and medium power applications

P/N	LDO	Control	Battery Charging current	Battery Floating Voltage	Shipping Mode IBat	Power Path Architecture	Termination Current	SmartReset Watchdog	Auto Recharge	Switch Matrix	Package
STBC02JR STBC02BJR STBC02AJR	3.0V 3.1V 3.3V	S-wire	1-450mA ¹	4.2-4.45V +-0.5%	10nA	YES	5%, 2.5% I _{fast} , Off	Yes	Yes 3.9V	2x SPDT Full progr.by S-wire command	Flipchip 30bumps 400um pitch
STBC03JR	3.0V	Dig. Control pins	1-650mA	4.2V+-0.5% (up to 4.45V by ext. Resistor on BATSNS)	10nA	YES	5% I _{fast}	No	No	2x SPDT Progr.by dig.ENs	Flipchip 30bumps 400um pitch
STNS01PUR	3.1V	Dig. Control pins	15-200mA ¹	4.2V+-1% (up to 4.45V by ext. Resistor on BATSNS)	100nA	YES	10% I _{fast}	No	No	No	QFN 3x3 12L
L6924D	NO	Dig. Control pins	Up to 1A	4.2V+-1% or 4.1V±1%	N.A.	NO	By external resistor	NO	VFLOAT-150mV	No	QFN 3x3 16L
L6924U	NO	Dig. Control pins	Up to 1A	4.2V+-1%	N.A.	NO	By external resistor	NO	4,05V	NO	QFN 3x3 16L
STC4054	NO	NO	Up to 1A	4.2V+-1%	N.A.	NO	10% I _{fast}	NO	4,05V	NO	TSO23-5L





High Performance Op Amps and Comparators

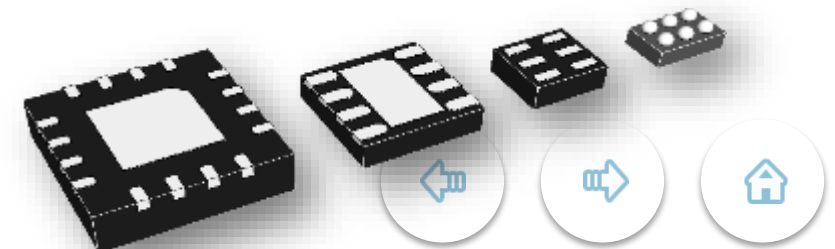
Op Amps

	TSU101 600nA 8kHz		5V CMOS	16V CMOS	36V BiCMOS
Nano power	TSU111 900nA, $V_{io} < 230\mu V$				
Low power		TSV611 10 μA 120kHz	TSX631 45 μA 200kHz		
		TSV621 29 μA 420kHz	TSX561 280 μA 900kHz		TSB611 97 μA 510 kHz
	TSV521 45 μA 1.15MHz	TSV631 60 μA 880kHz	TSX921 2.8mA 10MHz		
					TSB572 360 μA 2.4MHz
Precision		LMV821 300 μA 5.5MHz	TSX9291 2.8mA 16MHz		
		TSV851 180 μA 1.3MHz			
	TSZ121 $V_{io} < 5\mu V$ 50nV/°C	TSV711 $V_{io} < 200\mu V$ 10 μA 120kHz	TSX711 $V_{io} < 200\mu V$ 660 μA 2.7MHz		
	TSZ182 $V_{io} < 15\mu V$ 30nV/°C	TSV731 $V_{io} < 200\mu V$ 60 μA 900kHz	TSX7191 $V_{io} < 200\mu V$ 660 μA 9MHz		

Comparators

		5V CMOS	16V CMOS
Nano power	TS881/2/4 200nA 2 μs		
Micro power	LMV331/393/339 100 μA 200ns	TSX393/339 5 μA 2.5 μs	
	TS331/332/334 30 μA 200ns	TSX3702/3704 5 μA 2.5 μs	
Fast response time	TS3021 70 μA 40ns	TS3011 500 μA 8ns	

Tiny packages available
QFN16 DFN8 DFN6 CSP



Single, dual & Quad are available for all series :
Ex : TSZ122, TSZ124