

SWIFT Converter Product Portfolio

SWIFT Products

PART NUMBER	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (A)	I _q (Typ) (mA)	SWITCHING FREQUENCY		PACKAGE	FEATURES
					FIXED (kHz)	ADJUSTABLE (kHz)		
Wide Input Voltage, Non Synchronous Buck								
TPS5410	5.5 to 36	1.23 to 31	1	3	500	-	8SOIC	EN, Int. Comp.
TPS54160	3.5 to 60	0.8 to 57	1.5	0.116	-	300 to 2500	10MSOP, PowerPAD™	TM, PG, EN, SoftStart, UVLO, RT, TRACKIN, CLK, Ext. Comp., Eco-Mode™
TPS5420	5.5 to 36	1.23 to 31	2	3	500	-	8SOIC	EN, Int. Comp.
TPS5430	5.5 to 36	1.23 to 31	3	3	500	-	8SO PowerPAD™	EN, Int. Comp.
TPS5450	5.5 to 36	1.22 to 31	5	3	500	-	8HSOIC PowerPAD™	EN, Int. Comp.
Mid Input Voltage, Synchronous Buck								
TPS54350	4.5 to 20	0.9 to 12	3	9	250, 500	250 to 700	16HTSSOP	PG, EN, SYNC, UVLO, LSG, RT, Ext. Comp., 180° out of phase
TPS5435x	4.5 to 20	1.2, 1.5, 1.8, 2.5, 3.3, 5.0	3	9	250, 500	250 to 700	16HTSSOP	PG, EN, SYNC, UVLO, LSG, RT, Int. Comp., 180° out of phase
TPS54550	4.5 to 20	0.9 to 12	6	9	250, 500	250 to 700	16HTSSOP	PG, EN, SoftStart, SYNC, UVLO, LSG, RT, Int. Comp., 180° out of phase
Mid Input Voltage, Non Synchronous Buck								
TPS54231	3.5 to 28	0.8 to 25	2	0.11	570	-	8SOIC	EN, SoftStart, UVLO, Ext. Comp., Eco-Mode™
TPS54331	3.5 to 28	0.8 to 25	3	0.11	570	-	8SOIC	EN, SoftStart, UVLO, Ext. Comp., Eco-Mode™
Mid Input Voltage, Dual, Non Synchronous Buck								
TPS54283	4.5 to 28	0.8 to 25.2	2 / 2	1.8	300	-	14HTSSOP	EN1, EN2, ILIM2, SEQ, Int. Comp.
TPS54286	4.5 to 28	0.8 to 25.2	2 / 2	1.8	600	-	14HTSSOP	EN1, EN2, ILIM2, SEQ, Int. Comp.
TPS54383	4.5 to 28	0.8 to 25.2	3 / 3	1.8	300	-	14HTSSOP	EN1, EN2, ILIM2, SEQ, Int. Comp.
TPS54386	4.5 to 28	0.8 to 25.2	3 / 3	1.8	600	-	14HTSSOP	EN1, EN2, ILIM2, SEQ, Int. Comp.
TPS55383	4.5 to 28	0.8 to 25.2	3 / 3	1.8	300	-	16HTSSOP	EN1, EN2, ILIM2, SEQ, Ext. Comp.
TPS55386	4.5 to 28	0.8 to 25.2	3 / 3	1.8	600	-	16HTSSOP	EN1, EN2, ILIM2, SEQ, Ext. Comp.

SWIFT Products (continued)

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					FIXED (kHz)	ADJUSTABLE (kHz)		
Low Input Voltage, Synchronous Buck								
TPS54110	3 to 6	0.9 to 4.5	1.5	4.2	350, 550	280 to 700	20HTSSOP	PG, EN, SoftStart, SYNC, RT, Ext. Comp.
TPS54310	3 to 6	0.9 to 3.3	3	6.2	350, 550	280 to 700	20HTSSOP	PG, EN, SoftStart, SYNC, RT, Ext. Comp.
TPS5431x	3 to 6	0.9, 1.2, 1.8, 2.5, 3.3	3	6.2	350, 550	280 to 700	20HTSSOP	PG, EN, SoftStart, SYNC, RT, Int. Comp.
TPS54317	3 to 6	0.9 to 3.3	3	6.2	-	280 to 1600	24QFN	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54610	3 to 6	0.9 to 4.5	6	11	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS5461x	3 to 6	0.9, 1.2, 1.8, 2.5, 3.3	6	11	350, 550	280 to 700	28HTSSOP	PG, EN, SoftStart, RT, Int. Comp.
TPS54810	4 to 6	0.9 to 3.3	8	11	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54910	3 to 4	0.9 to 2.5	9	11	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54010	2.2 to 4	0.9 to 2.5	14	13	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Split Rail, Ext. Comp.
DDR Memory (Active Bus Termination), Synchronous Buck								
TPS54372	3 to 6	0.2 to 4.5	3	6.2	350	280 to 700	20HTSSOP	PG, EN, RT, REFIN, Ext. Comp.
TPS54672	3 to 6	0.2 to 4.5	6	11	350	280 to 700	28HTSSOP	PG, EN, RT, REFIN, Ext. Comp.
TPS54872	4 to 6	0.2 to 3.3	8	11	350	280 to 700	28HTSSOP	PG, EN, RT, REFIN, Ext. Comp.
TPS54972	3 to 4	0.2 to 2.5	9	11	350	280 to 700	20HTSSOP	PG, EN, RT, REFIN, Ext. Comp.

SWIFT Products (continued)

PART NUMBER	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (A)	I _q (Typ) (mA)	SWITCHING FREQUENCY		PACKAGE	FEATURES
					FIXED (kHz)	ADJUSTABLE (kHz)		
Sequencing, Synchronous Buck								
TPS54380	3 to 6	0.9 to 4.5	3	6.2	350	280 to 700	20HTSSOP	PG, EN, RT, TRACKIN, Ext. Comp.
TPS54680	3 to 6	0.9 to 4.5	6	11	350	280 to 700	28HTSSOP	PG, EN, RT, TRACKIN, Ext. Comp.
TPS54880	4 to 6	0.9 to 3.3	8	11	350	280 to 700	28HTSSOP	PG, EN, RT, TRACKIN, Ext. Comp.
TPS54980	3 to 4	0.9 to 2.5	9	11	350	280 to 700	28HTSSOP	PG, EN, RT, TRACKIN, Ext. Comp.
Pre Bias, Synchronous Buck								
TPS54073	2.2 to 4	0.9 to 2.5	14	13	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54373	3 to 6	0.9 to 3.3	3	6.2	350, 550	280 to 700	20HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54377	3 to 6	0.9 to 3.3	3	6.2	-	280 to 1600	24QFN	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54673	3 to 6	0.9 to 4.5	6	11	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54873	4 to 6	0.9 to 3.3	8	11	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.
TPS54973	3 to 4	0.9 to 2.5	9	11	350, 550	280 to 700	28HTSSOP	PG, EN, SYNC, SoftStart, RT, Ext. Comp.

Glossary

NAME	DEFINITION
PG	Power Good pin
EN	Enable pin
SYNC	Synchronization pin
UVLO	Undervoltage lockout pin
LSG	Gate drive for low-side MOSFET
RT	Frequency setting pin
SoftStart	Adjustable Slow Start
TRACKIN	External reference input pin for simultaneous sequencing
REFIN	External reference input pin for Active Bus Termination
Split Rail	Separate power and control voltage inputs
ILIM2	Current limit adjust pin for output 2 only
SEQ	Configure the output startup mode pin
Ext. Comp.	Externally Compensated
Int. Comp.	Internally Compensated
Eco-Mode™	High efficiency at light load
CLK	Clock pin to synchronize frequency (internal PLL)

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