

SIM CARD SUPPLY SW

Features

- SIM Card Supply Switch
- Over Current Protection
- Differential signaling disable

General Description

SGCSIMSW_01_TSMC_CLN40ULP is a general purpose SIM Card Supply Switch with control pin. It offers over current protection, to avoid inrush currents. Moreover, it guarantees that, when the interface is disabled, the switch is open and the output is pulled down. The *SGCSIMSW_01_TSMC_CLN40ULP* can be found as an isolated IP or integrated into PMUs, as for example in the *SGCPMU_01_TSMC_CLN40ULP*, being specified for $T_J = -40^{\circ}\text{C}$ to 125°C .

Applications

- SIM Card Supply Switch for SoC

Quick Reference

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNIT
V_{1V8}	SIM Sup.	1.6	1.8	2.0	V
V_{DD}	Digital Sup.	0.55	-	1.21	V
I_O	Out Current	0	-	30	mA
R_{ON}	$SW_{resistance}$	-	-	1.2	Ω

Applications Diagram