

µC Supply Fit for Automotive System IC: Mapping overview of SBC and AURIX™



AURIX™ Family		Maximum Power Dissipation (real power pattern)*	Lite LDO SBC	Lite DCDC SBC	MR+ SBC	DCDC SBC	MCP+ SBC
			TLE946x(-3)ES	TLE947x(-3)ES	TLE926x(-3)BQX	TLE927xQX	TLE9278(-3)BQX
			150mA (5V/3.3V)	500mA (5V/3.3V)	250mA (5V/3.3V)	750mA (5V/3.3V)	750mA (5V/3.3V)
1st AURIX™ generation	TC21 series	88mA @ 3.3V	√	√	√	√	√
	TC22 series	88mA @ 3.3V	√	√	√	√	√
	TC23 series	109mA @ 3.3V	(√)	√	√	√	√
	TC26 series	186mA @ 3.3V 123mA @ 5V	(√)	√	√*	√	√
	TC26 series (ADAS/ext. variant)	203mA @ 3.3V 134mA @ 5V	(√)	√	√	√	√
	TC27 series	307mA @ 3.3V 203mA @ 5V		√	√*	√	√
	TC29 series	485mA @ 3.3V 320mA @ 5V		√	√*	√	√
	TC29 series (ADAS/ext. variant)	515mA @ 3.3V 340mA @ 5V		(√)	√*	√	√
2nd AURIX™ generation	TC35 series	576mA @ 3.3V 380mA @ 5V		(√)		√	√
	TC36 series	333mA @ 3.3V 240mA @ 5V		√	√*	√	√
	TC37 series	370mA @ 3.3V 244mA @ 5V		√	√*	√	√
	TC38 series	515mA @ 3.3V 340mA @ 5V		(√)		√	√
	TC39 series	758mA @ 3.3V 500mA @ 5V		(√)		√	√

Legend: * Datasheet parameter PD SR (maximum power dissipation / voltage supply)
 √ Supply without restriction feasible
 √* Supply feasible in combination with load sharing on VCC3 (based on actual project known where combination applies)
 (√) Supply feasible depending on the use case of the µC (based on actual project known where combination applies)