

Catalog devices	LM10506TME/NOPB, LM10506TMX/NOPB	LM10506TME-A/NOPB, LM10506TMX-A/NOPB	LM10504TME/NOPB , LM10504TMX/NOPB
BUCK 1 peak current limit	1.5A (for 1.0A load)	1.5A (for 1.0A load)	1.98A (for 1.6A load)
BUCK 2 peak current limit	1.2A (for 0.4A load)	1.2A (for 0.4A load)	1.5A (for 1.0A load)
BUCK 3 peak current limit	1.3A (for 0.6A load)	1.3A (for 0.6A load)	1.5A (for 1.0A load)
LDO current limiter	315 mA (for 100mA load)	315 mA (for 100mA load)	530 mA (for 250mA load)
VCOMP / LDO output accuracy	LDO is set to 3.20V and then reference is trimmed to get correct LDO output and Vcomp is a bit off (in DS parameters).	LDO is set to 3.20V and then reference is trimmed to get correct LDO output and Vcomp is a bit off (in DS parameters).	LDO is set to 3.05V and then reference is trimmed down by two codes so LDO is 3.02V and Vcomp is more accurate.
STANDBY active	High	High	High (was used as GND in mid versions)
Buck Pull-downs			
Bypass Mode	bucks 1+2 enabled	bucks 1+2 enabled	bucks 1+2 enabled
Restart from Standby	no soft start	no soft start	no soft start
RESET pin function	restore default voltages	restore default voltages	restore default voltages
LDO output voltage	3.2 V	3.2 V	3.0 V
BUCK 2 output voltage	3.0 / 1.8 V	2.0 / 1.8 V	3.0 / 1.8 V

Custom devices	LM10506TME-C/NOPB, LM10506TMX-C/NOPB	LM10506TME-D/NOPB, LM10506TMX-D/NOPB	LM10504TME-A/NOPB , LM10504TMX-A/NOPB
BUCK 1 peak current limit	1.5A (for 1.0A load)	1.5A (for 1.0A load)	1.98A (for 1.6A load)
BUCK 2 peak current limit	1.2A (for 0.4A load)	1.2A (for 0.4A load)	1.5A (for 1.0A load)
BUCK 3 peak current limit	1.3A (for 0.6A load)	1.3A (for 0.6A load)	1.5A (for 1.0A load)
LDO current limiter	315 mA (for 100mA load)	315 mA (for 100mA load)	530 mA (for 250mA load)
VCOMP / LDO output accuracy	LDO is set to 3.20V and then reference is trimmed to get correct LDO output and Vcomp is a bit off (in DS parameters).	LDO is set to 3.20V and then reference is trimmed to get correct LDO output and Vcomp is a bit off (in DS parameters).	LDO is set to 3.05V and then reference is trimmed down by two codes so LDO is 3.02V and Vcomp is more accurate.
STANDBY active	High	High	High
Buck Pull-downs	Buck1 pulls down even < Vuvlo	Buck1 pulls down even < Vuvlo	Buck1 pulls down even < Vuvlo
Bypass Mode	buck 1 enabled only	buck 1 enabled only	bucks 1+2 enabled
Restart from Standby	soft start	soft start	soft start
RESET pin function	restore default voltages	restore default voltages	restore default voltages
LDO output voltage	3.2 V	3.2 V	3.0 V
BUCK 2 output voltage	3.0 / 1.8 V	2.0 / 1.8 V	3.0 / 1.8 V