

Parameters	LTC3864	LTC3824
Topology	Non-Synchronous Step-Down Controller	Non-Synchronous Step-Down Controller
Architecture	Fixed Frequency Current Mode	Fixed Frequency Current Mode
V _{IN} Range	3.5V to 60V	4V to 60V
V _{OUT} Range	0.8V to V _{IN}	0.8V to V _{IN}
Quiescent Current	40μA	40μA
Operating Frequency	50kHz to 850kHz	200kHz to 600kHz
Synchronizable	Yes	Yes
Tracking or Adj Soft Start	Yes	Adj Soft-Start, No Tracking
Current Limit/Accuracy	95mV +/- 10%	100mV +/- 20%
Gate Drive Voltage	8V @ 3A	8V @ 1.5A
Run Pin	Yes	No
Reset SS on UVLO	Yes	No
Minimum On-time	220ns	350ns
FMEA Verified Pinout	Yes	Mostly
Vref Accuracy over Temp	±1.1% (-40°C to 150°C)	±1.75% (-40°C to 150°C)
Power Good Pin	Yes	No
Package	3mm x 4mm DFN-12, MSOP-10	MSOP-10