

Automotive LED Driver TS19503CB10H TS19605CA20H

The TS19503CB10H and TS19605CA20H are high-performance LED drivers for a range of applications, including automotive lighting. Both support a wide input range (4.5V–75V) and feature advanced protection like UVLO, SCP, and OTP. The TS19503CB10H is an inductive step-down converter, delivering up to 2A and over 25 watts of power, with DIM input for flexible control. The TS19605CA20H is a three-channel linear driver with analog and PWM dimming, offering 150mA per channel, extendable to 400mA with external components, making it ideal for automotive lighting.



Official Website



X



LinkedIn

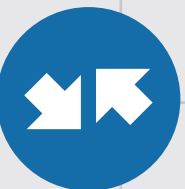
For more information: marketing@ts.com.tw

© 2024 TAIWAN SEMICONDUCTOR, CO., LTD. ALL RIGHTS RESERVED.

FEATURES



AUTOMOTIVE
QUALIFIED
AEC-Q101



PWM AND ANALOG
DIMMING CAPABILITY

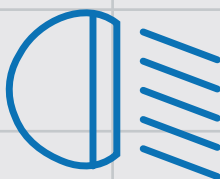


OVER TEMPERATURE
PROTECTION

APPLICATIONS

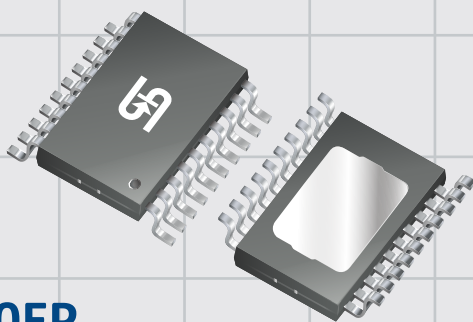


LIGHTING



CAR LIGHTING

PACKAGE



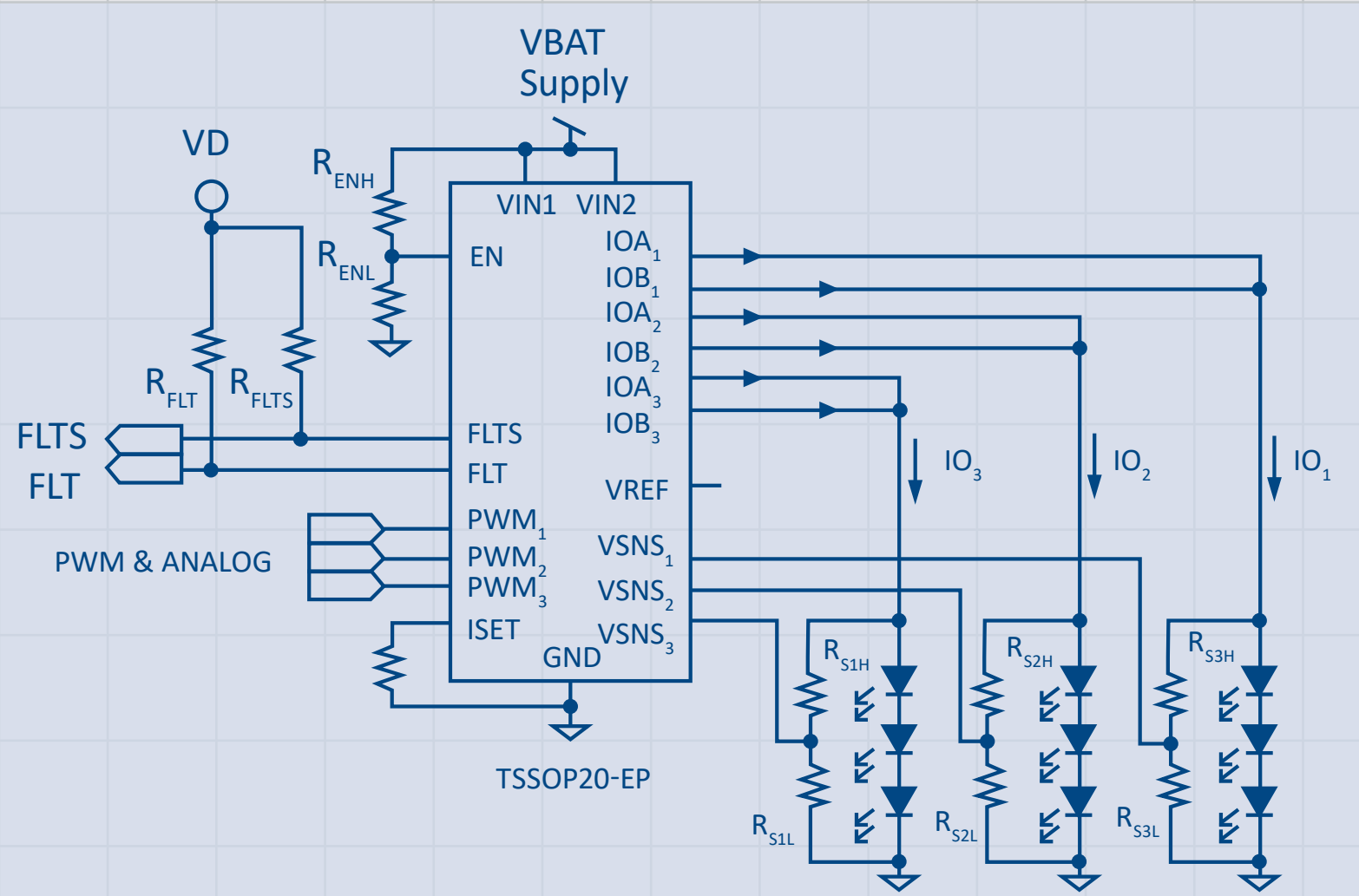
TSSOP-20EP
TS19605CA20H



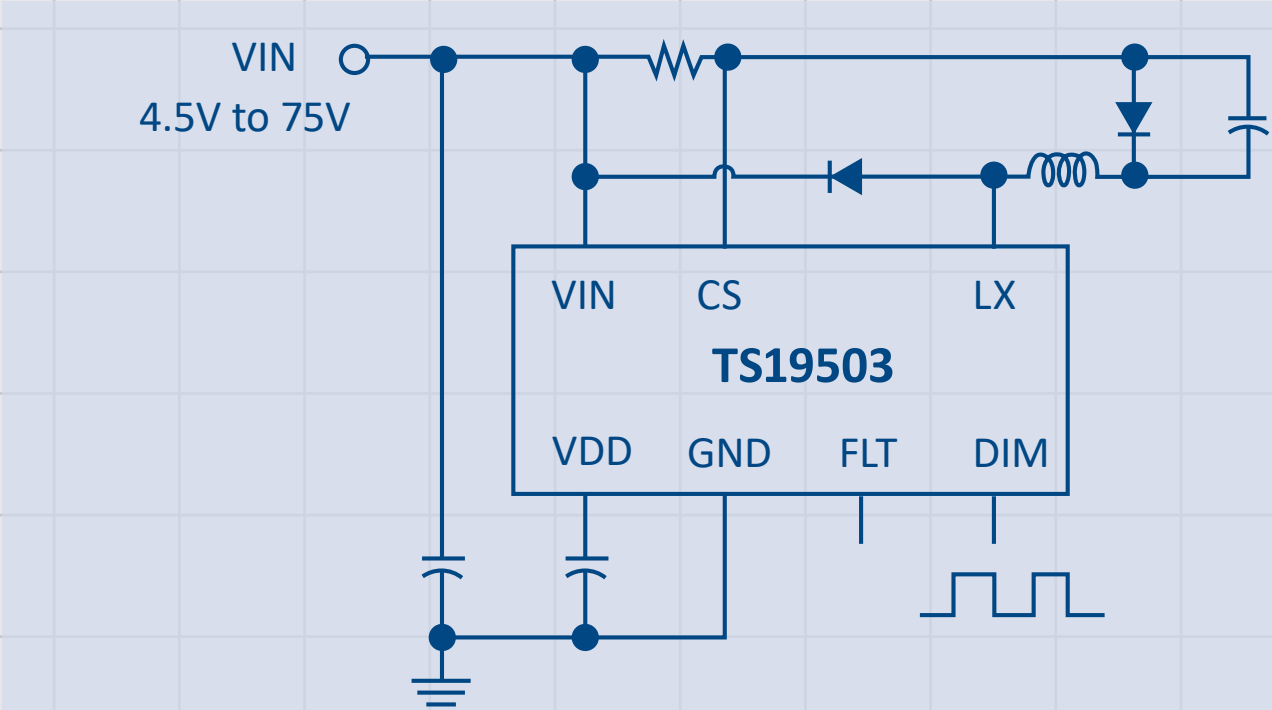
MSOP-10EP
TS19503CB10H

SPECIFICATION

Part number	Package	V _I		LED Current (mA)	Dimming	Topology
		Min.(V)	Max.(V)			
TS19503CB10H	MSOP-10EP	4.5	75	2000	PWM & Analog	Step-down
TS19605CA20H	TSSOP-20EP	4.5	70	150		Linear



TS19605CA20H TPYICAL CIRCUIT



TS19503CB10H TPYICAL CIRCUIT



TAIWAN
SEMICONDUCTOR

www.taiwansemi.com