



Electronics for the Future

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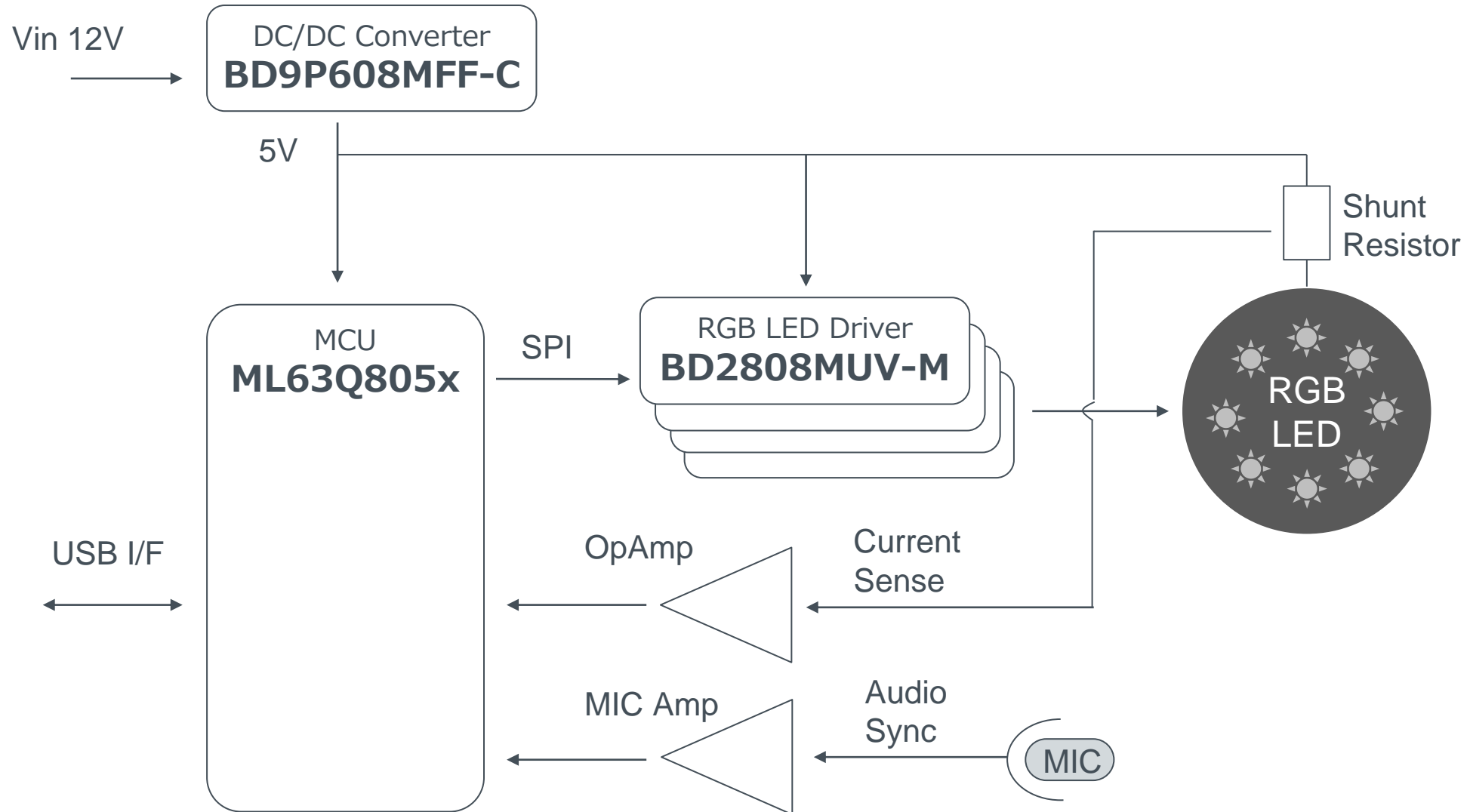
REF66007 –Reference Design

Interior illumination lighting with RGB LEDs

Designed by



Block Diagram



Overview

Illumination lighting makes the interior of your vehicle a more pleasant space to spend time in, making your car life more fulfilling. This board uses RGB LED Driver BD2808MUF-M and achieves detailed illumination with 6bit DC dimming and 8bit PWM dimming.

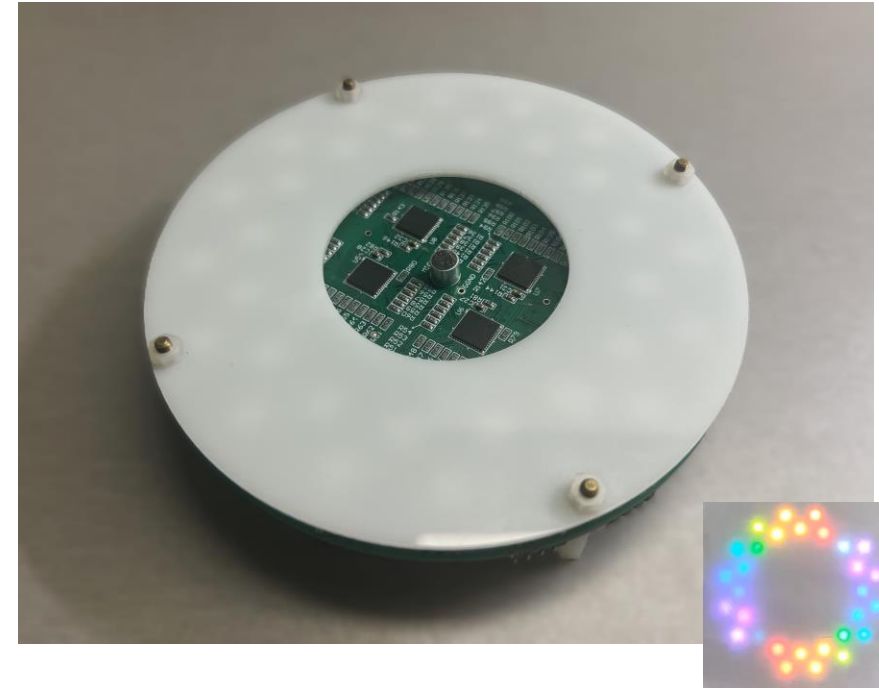
Application

Automotive interior light, LED signage, LED illumination

Specification

Items	Parameter
Grade	Automotive
Input voltage	9V to 14V
LED configuration	RGB x 32pcs
Active Current	900mA
Function	RGB illumination with Audio Sync.
Board Size	120mm circular plate

Board outline



More Detail Information (Jump to SHOCKLEY China web site)

<http://www.shockley-elect.com/en/index.html>

Major BOM

Product No.	Function	Feature
BD2808MUV-M	LED Driver	Automotive, 24Ch Constant current LED Driver with 6bit DC dimming and 8bit PWM dimming control 50mA/Ch
BD9P608MFF-C	DC/DC converter	Automotive, 40V, 6A, Nano pulse technology
ML63Q805x	MCU	Automotive, 32bit, ARM® Cortex® M0+ MCU

Related Products

[Multi channel constant current LED Driver](#)

[Automotive low offset opamp](#)

[Automotive Primary DC/DC Converter \(BD9Pxx Series\)](#)



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[Click here](#) for other reference designs

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