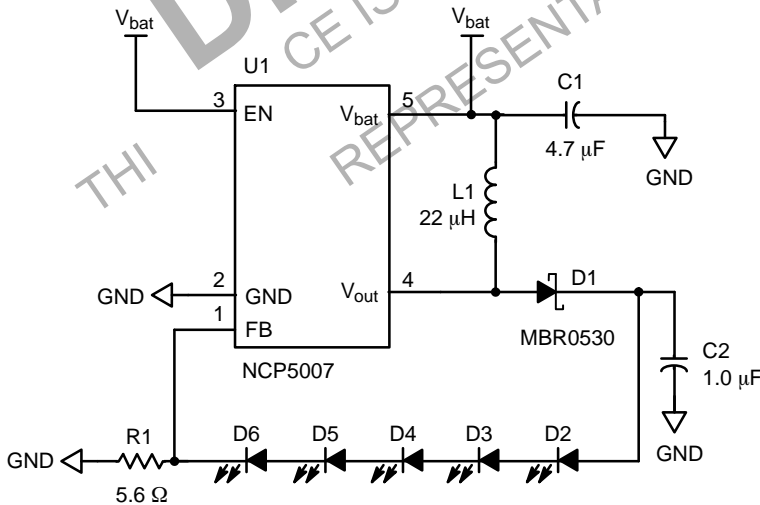


C 5007

C B m D i LED

The NCP5007 is a high efficiency boost converter operating in a current control loop, based on a PFM mode, to drive White LEDs. The current mode regulation allows a uniform brightness of the LEDs. The chip has been optimized for small ceramic capacitors and is capable of supplying up to 1.0 W output power.

- Inductor Based Converter brings High Efficiency
 - Constant Output Current Regulation
 - 2.7 to 5.5 V Input Voltage Range
 - V_{out} to 22 V Output Compliance Allows up to 5 LEDs to be Driven in Series which Provides Automatic LED Current Matching
 - Built-in Output Overvoltage Protection
 - 0.3 μA Standby Quiescent Current
 - Includes Dimming Function (PWM)
 - Enable Function Driven Directly from Low Battery Voltage Source
 - Thermal Shutdown Protection
 - All Pins are Fully ESD Protected
 - Low EMI Radiation
 - These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant
-
- LED Display Back Light Control
 - High Efficiency Step Up Converter



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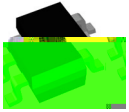
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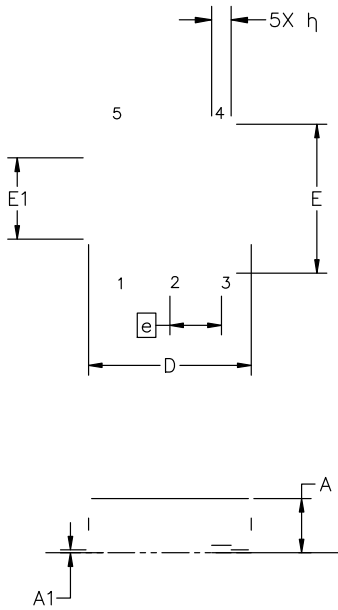
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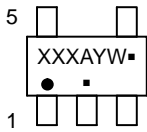


TSOP-5 3.00x1.50x0.95, 0.95P
CASE 483
ISSUE P

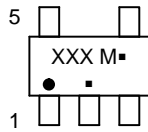
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GENERIC MARKING DIAGRAM*



Analog



Discrete/Logic

- | | |
|----------------------------|----------------------------|
| XXX = Specific Device Code | XXX = Specific Device Code |
| A = Assembly Location | M = Date Code |
| Y = Year | ▪ = Pb-Free Package |
| W = Work Week | |
| ▪ = Pb-Free Package | |

(Note: Microdot may be in either location)

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

OUR Pb-FREE STRATEGY AND SOLDERING DETAILS, PLNN

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