

MCP9904D

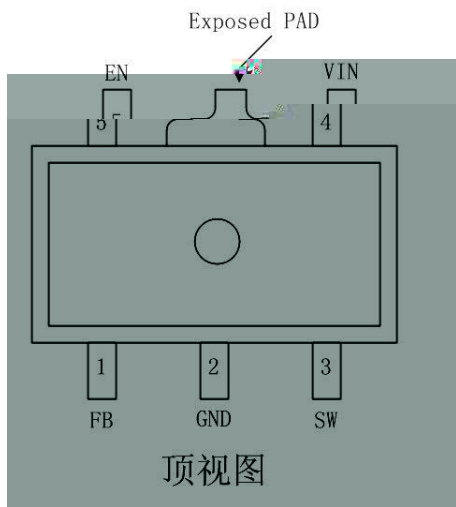
DC/DC

LED

1MH

MCP9904D

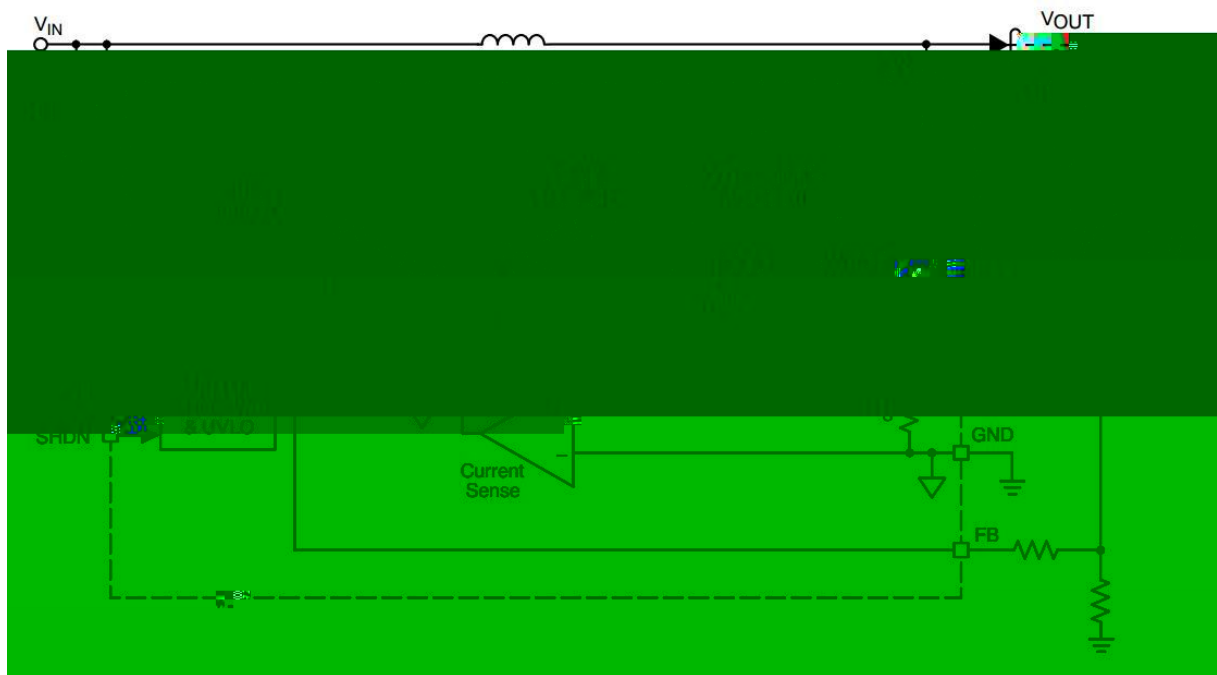
# ° “ ”



2

1

1	FB	LED
2	GND	
3	SW	
4	VIN	
5	EN	



3 MCP9904D

**MICHAEL**

# FBAA

VIN

6666666666 6666666666 6666666666 6666666666 6666666666 6666666666

FB

-0.3V 7V

\_\_\_\_\_

-0.3V 60V

SW

-0.3V 60V 6666666666 6666666666

(R9a

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$V_{IN}=5V$   $T_A=25$

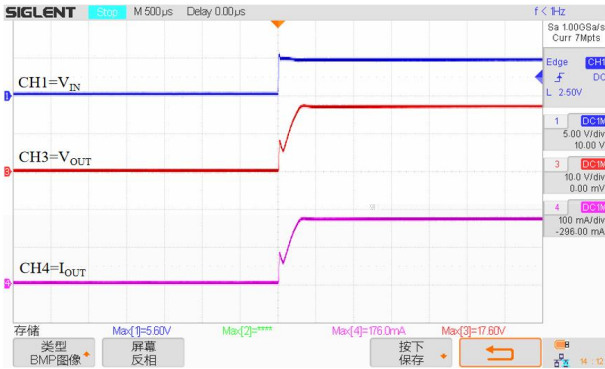
10-

1  
g  
3  
1

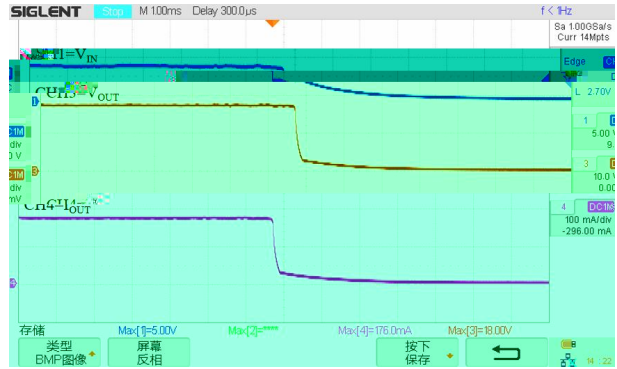


$T_A=25$

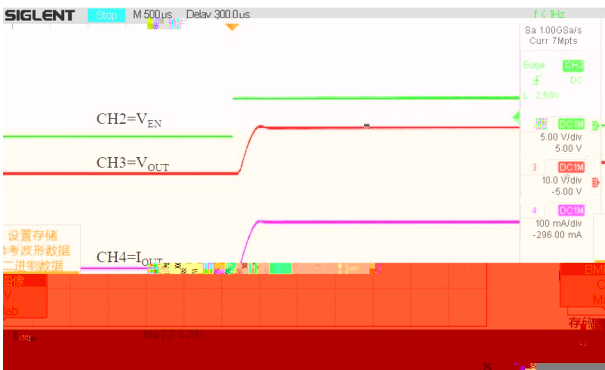
$V_{IN}=5V$   $V_{OUT}=17.1V$   $R_L=100$



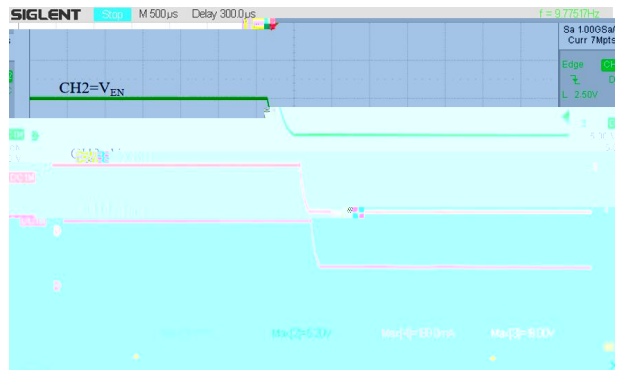
$V_{IN}=5V$   $V_{OUT}=17.1V$   $R_L=100$



$V_{IN}=5V$   $V_{EN}=0V$   $5V$   $V_{OUT}=17.1V$   $R_L=100$



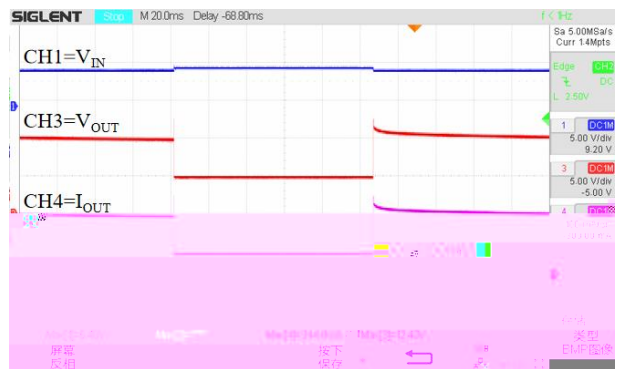
$V_{IN}=5V$   $V_{EN}=5V$   $0V$   $V_{OUT}=17.1V$   $R_L=100$



$V_{IN}=5V$   $V_{OUT}=12V$   $R_L=50$



$V_{IN}=5V$   $V_{OUT}=12V$   $R_L=50$



**MICHIP**

MCP9904D

(1MH )

SW

GND

NMOS

NMOS

NMOS

FB

FB

0.3V

LED

R<sub>1</sub>

$$I = 0.3V/R_1$$

NMOS

LED

37V

150

130

MCP9904D

GPS

4

LED

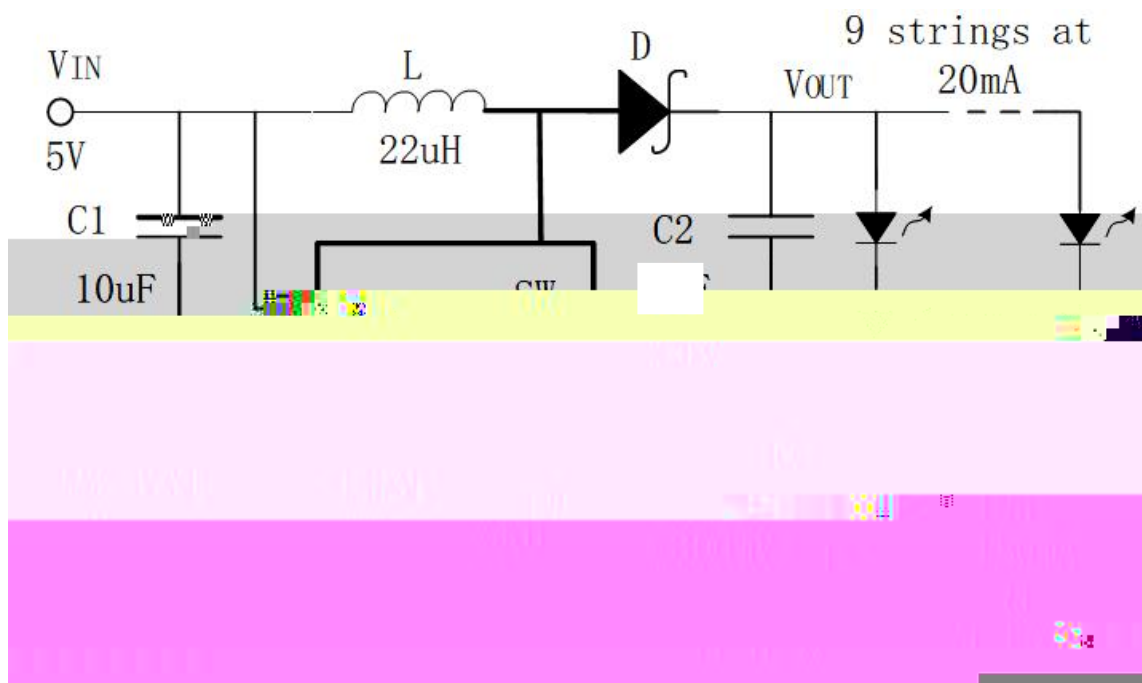
3.3V/20 A

5

6

LED

2.1V/250 A





4 22 H  
 S a CDRH6D28-220 800 A 22 F  
 1.2A D.C.R 128

1MH C a S  
 CMSH1-40 1A

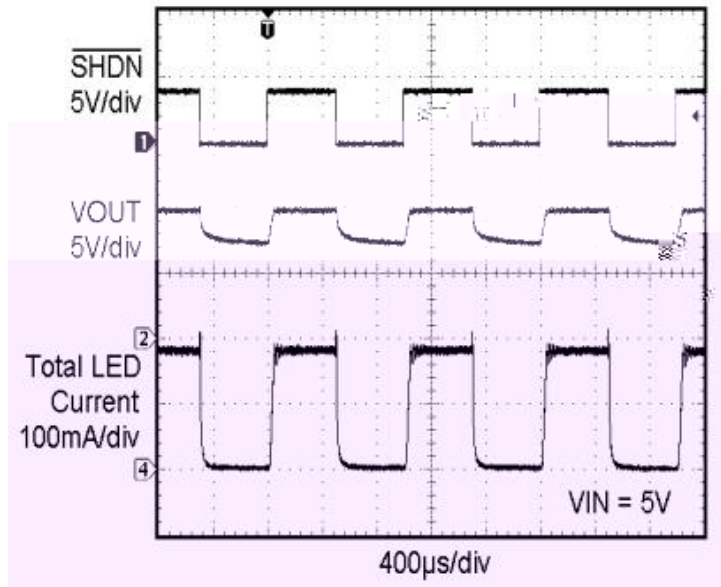
LED FB R<sub>1</sub>

0.3  
 1 —  
 —

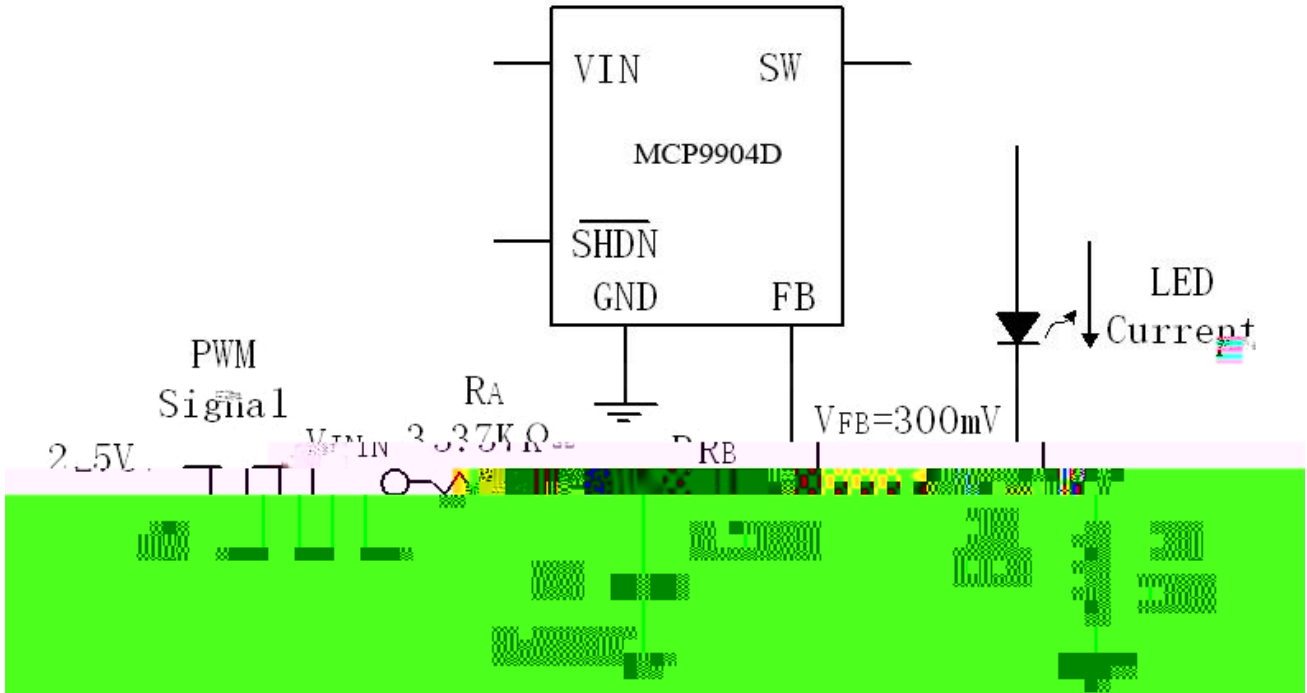
20	15
25	12
30	10
100	3
300	1

LED MCP9904D  
 37V 37V  
 6 W 3.6V 1.6 A SW  
 37V VOUT FB 37V  
 LED  
 FB 0.1V LED SW

LED  
 1 PWM LED PWM  
 LED 100%  
 LED 0.3/R1 7 PWM LED  
 1 H 50% PWM 100H  
 2 H



7 1 H PWM  
 2 PWM PWM LED 8  
 PWM MCP9904D FB PWM 0V 2.5V  
 LED 0 A 20 A PWM  
 100 H



8 PWM

PWM 0V 0% LED 22 A PWM  
 93% LED 0 A PWM LED 9



9 PWM 0V 2.5V

MCP9904D

EMI

10

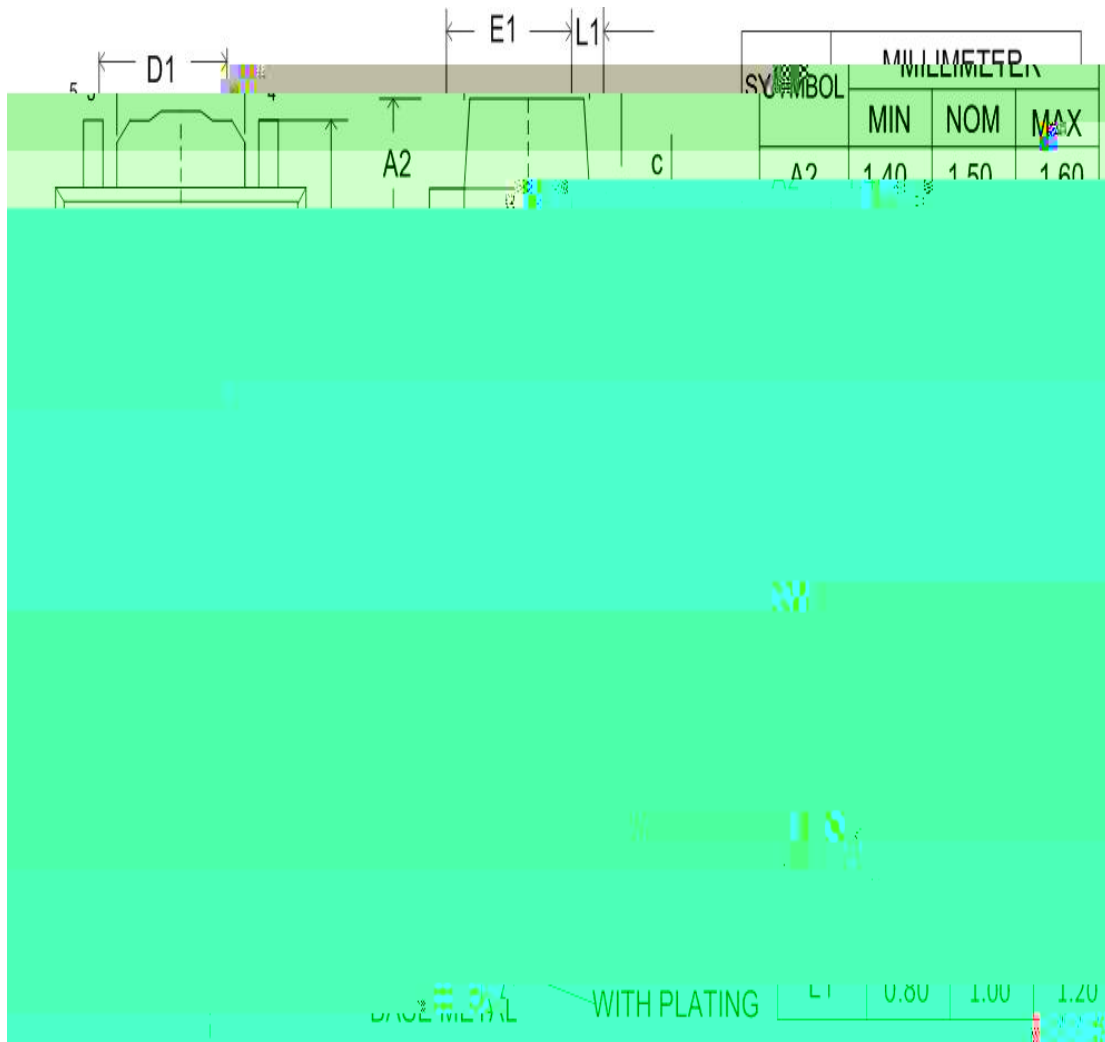
10

MCP9904D

11

MCP9904D





SOT89-5L

MCP9904D	SOT89-5L	1000 /Ta &R