VIN

**VIN
5V**
S+
S-
GND

J1
1
2
3
4
5
6

+ C1
47uF

GND

C2
4.7uF

C3
4.7uF

GND

U1
4 VIN   SW 3
1 EN
             FB 6   FB
5 PG   GND 2

PG

R3
499k

VOUT

GND

TLV62569PDDC
6-Pin SOT-23

1.5-MHz

L1
1uH

Vref = 0.6 V

R1
100k

C4
50V
27pF

R2
17.4k

GND

GND

VOUT

C5
10uF

C6
10V
4.7uF

C7
100nF
25V

GND GND

J2
1
2
3
4
5
6

**VOUT
2.5 V to 4.3 V IOUT(max) = 1.5 A**
S+
S-

GND

GND

Connect PWM to Pin2 for duty = 100%, Vout = 4.3 V
Connect PWM to Pin2 for duty = 0%, Vout = 2.5 V

PWM

JP1
1
2
3

GND

U2A
2   4

SN74LV1T04DCKR

R5
1.00k

T=R5xC9=100us

C9
100nF
25V

GND

R4
182k

Vadj(max) = 3.3 V

U2B
1 NC
5 VCC   GND 3

SN74LV1T04DCKR

GND

VIN R6
     590

VCC

Vcc = 3.3 V

R7
1.02k

C8
10uF

R8
3.16k

2

1

U3
TL431LIBIDBZR
3

GND GND GND

DNP
FID1

DNP
FID2

DNP
FID3

PCB Number: PMP30666
PCB Rev: A

PCB
LOGO
Texas Instruments

Variant/Label Table	
Variant	Label Text
001	PWM Output Voltage Scaling
002	ChangeMe!

ZZ1
Label Assembly Note
This Assembly Note is for PCB labels only

ZZ2
Assembly Note
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

Orderable: ChangeMe in variant	Designed for: Public Release	Mod. Date: 3/27/2019
TID #: N/A	Project Title: 2-A Step-Down with PWM Output Voltage Scaling
Number: PMP30666 Rev: A	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 3 of 3
Drawn By:	File: PMP30666RevA_Hardware.SchDoc	Size: B
Engineer: I.Weiss	Contact: http://www.ti.com/support

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