

**Infineon**

UserSw Off

On

Load1

Load2

Load3

Boost Cntrl

Indep Buck

UserLED4

UserLED3

UserBtn2

UserLED2

UserLED1

UserBtn1

A0

In Sw

Blanking

Ind Sw

ADC NTC

int ext

Overcurr

Overvolt

Overtemp\_Int

Overtemp\_Ext

Fault Reset

NTC

2x 10uF

47uF

220uF

IN+

OUT+

IN-

OUT-

Load1

Load2

Load3

Off

On

Off

On

Off

On

SCL  
SDA  
ARL1  
GND  
D13  
D12  
D11  
D10  
D9  
D8  
D7  
D6  
D5  
D4  
D3  
D2  
D1  
D0

Vin  
12V  
3.3V  
GND  
In  
Out  
In A  
Out A  
Ind  
Sw  
Vin  
Vout  
Buck  
Boost  
GND

TP520  
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• Learning Platform for Switching Regulators

V1.0

05/2021

