

Input: 24V-36V      Output: 5V/20A  
Frequency: 220KHz

**EVAL2Z**  
**Input: 24V-36V**  
**Frequency: 220KHz**  
**Output: 5V/20A**

input rising shreshold: 22.4V  
input falling shreshold: 24.2V

**Average OCP: 22A**  
**Peak current limit: 25A**

**Upper MOS: BSC03906NS**  
**Lower MOS: BSC03906NS**

TP3 PVIN  
TP1 GND  
J1 VIN  
J2 GND  
36V

TP4 PGOOD  
LED1  
Q5 2N7002LT1  
R31 4.99K  
R30 4.99K  
R3 133  
R1 14.7k  
R8 2k  
R11 14.7k  
R9 0  
R10 0  
C37 1uF  
C3 3.3nF  
C1 4.7nF  
C2 100pF  
R2 13k  
R4 2k  
R17 3k  
R22 0  
R20 33.2k  
R12 3k  
R36 140k  
R29 10k  
R27 113k  
R26 18.2k  
R38 0  
R37 0  
R25 0  
R24 DNP  
R23 11.8k  
R21 5.11k  
R18 10.5k  
R16 DNP  
R13 DNP  
R28 7.15k  
R33 0  
R34 2.2  
R35 174k  
R6 10  
R7 0  
R5 0  
R43 0  
R32 0  
R15 0  
R14 2  
R1 14.7k  
R8 2k  
R11 14.7k  
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