

Reverse polarity protection  
Q1

Overvoltage protection  
U2

Transient protection  
D5

Overcurrent protection  
U2

NCP361:  
UVLO: 3.0  
OVL0: 5.6

Equations UP0S:  
 $r1 = r2 * (vp/vref-1)$   
 $vp = (vref * (r1 * r2) / r2)$   
 $vn = (2.213 * (1000 * 100) / 100)$   
 $vp = 12.13$

Equations UNEG:  
 $vn = (vref * (r1 * r2) / r2)$   
 $vn = (1.213 * (1000 * 100) / 100)$   
 $vn = -13.43$

Booster

Extra filter

Front panel LED  
Indicator LED  
Base load



